

- Aagaard, T., Nielsen, N. and Nielsen, J., 1995. Skallingen - origin and evolution of a barrier spit. *Skalling-Laboratoriet* 35, pp. 85.
- Admiraal, W., 1984. The ecology of estuarine sediment-inhabiting diatoms. In: Round, F. E. and Chapman, G. (Eds.), *Progress in Phycological Research*, 3. Biopress, Bristol, pp. 269-322.
- Ærtebjerg, G., 1997. Black spots in the Danish Wadden Sea. In: Henke, S. (Ed.). *Black spots in the Wadden Sea. Texte 3/97*, Federal Environmental Agency, Berlin, pp. 19-20.
- Agatz, M., 1998. Eutrophierungsfolgen im Wattenmeer: Veränderungen der benthischen Diatomeenflora durch Klärwasser im Königshafen von Sylt.- Diplom thesis, University of Bingen, 73 p.
- Agatz, M., Asmus, R.M. and Deventer, B., 1999. Structural changes in the benthic diatom community along a eutrophication gradient on a tidal flat. *Helgoland mar. Res.* (in press).
- Albrecht, A.S., 1998. Soft bottom versus hard rock: Community ecology of macroalgae on intertidal mussel beds in the Wadden Sea. *J Exp Mar Biol Ecol* 229, 85-109.
- Andresen, H., Bakker, J.P., Brongers, M., Heydemann, B. and Irmeler, U., 1990. Long-term changes of salt marsh communities by cattle grazing. *Vegetatio* 89, 137-148.
- Aguilar, A. and Borrell, A., 1995. Pollution and harbour porpoises in the eastern North Atlantic. In: Bjørge, A. and Donovan, G.P. (Eds.). *Biology of the Phocoenids. Rep. Int. Whal. Comm., Special Issue 16*, 231 - 242.
- ARGE Elbe, 1984. *Gewässerökologische Studie. Arbeitsgemeinschaft der Länder zur Reinhaltung der Elbe (ARGE Elbe)*, Hamburg.
- ARGE Elbe, 1990. *Gewässergütebericht 1985-1990, Teil III, Bericht über die PBSM-Belastungs der Elbe und ausgewählter Nebengewässer, Wassergütestelle Elbe*, Hamburg, 1990.
- ARGE Elbe, 1993. *Wassergütedaten der Elbe von Schnackenburg bis zur See, Zahlentafel 1992, Wassergütestelle Elbe*, Hamburg, 1993.
- Armonies, W. and Reise, K., 1999. On the population development of the introduced razor clam (*Ensis americanus*) near the island of Sylt (North Sea). *Helgoländer Meeresunters.* 52 (3-4), 291-300.
- Arntz, W., Schadwinkel, C., Günther, C.-P. and Meinken, H., 1992. *Fischereibiologisch-fischereiwirtschaftliches Gutachten. Studie im Auftrag des Wasser- und Schifffahrtsamtes Emden* (unpublished).
- ASCOBANS, 1994. *Agreement of the Conservation of Small Cetaceans of the Baltic and North Seas. Rep. First Meeting of Parties, Stockholm, 26-28 September 1994. ASCOBANS Secretariat, Cambridge, UK*, pp. 44.
- Asmus, H., 1987. Secondary production of an intertidal mussel bed community related to its storage and turnover compartments. *Mar. Ecol. Progr. Ser.* 39, 251-266.
- Asmus, H. and Asmus, R.M., 1985. The importance of grazing food chain for energy flow and production in three intertidal sand bottom communities of the northern Wadden Sea. *Helgoländer Meeresunters.* 39, 273-301.
- Asmus, H. and Asmus, R.M., 1990. Trophic relationships in tidal flat areas: to what extent are tidal flats dependent on imported food? *Neth. J. Sea Res.* 27(1), 93-99.
- Asmus, H., Lackschwitz, D., Asmus, R., Scheiffarth, G., Nehls, G. and Herrmann, J.-P., 1998a. Transporte im Nahrungsnetz eulittoraler Wattflächen der Sylt-Rømø Bucht. In: Gätje, C. and Reise, K. (Eds.). *Ökosystem Wattenmeer: Austausch, Transport und Stoffwandlungsprozesse*. Springer Verlag, Heidelberg, Berlin, pp. 393-420.
- Asmus, R., Jensen, M.H., Murphy, D. and Doerffer, R., 1998b. Primärproduktion von Mikrophytobenthos, Phytoplankton und jährlicher Biomasseertrag des Makrophytobenthos im Sylt-Rømø Wattenmeer. In: Gätje, C. and Reise, K. (Eds.). *Ökosystem Wattenmeer: Austausch, Transport und Stoffwandlungsprozesse*. Springer Verlag, Heidelberg, Berlin, pp. 367-392.
- Asmus, R.M. and Asmus, H., 1991. Mussel beds: Limiting or promoting phytoplankton? *J. Exp. Mar. Biol. Ecol.* 148, 215-232.
- Averbeck, C. and Voigt, L.H., 1992. Auswirkungen der kostenlosen Schiffsentsorgung gemäß MARPOL I + II, Ergebnisse der wissenschaftlichen Begleituntersuchung. *Schiff & Hafen/Seewirtschaft*, 11, 74-80.
- Bakker, J.F., 1994. Schadstoffe in Mieschmuscheln. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). *Warnsignale aus dem Wattenmeer*. Blackwell, Berlin, pp. 132-143.
- Bakker, J.F., 1997. Black spots in the Dutch Wadden Sea. In: Henke, S. (Ed.). *Black spots in the Wadden Sea. Texte 3/97*, Federal Environmental Agency, Berlin. pp.17-19.
- Bakker, J. and Smeenk, C., 1987. Time-series analysis of *Tursiops truncatus*, *Delphinus delphis* and *Lagenorhynchus albirostris* strandings on the Dutch coast. *ECS Newsl.* 1, 14-19.
- Bakker, J. and Smeenk, C., 1990. Dolphins on the Dutch coast: an analysis of stranding records. In: Evans P.G.H., Aguilar, A. and Smeenk (Eds.). *European Research on Cetaceans 4. Proc. Fourth Ann. Conf. European Cetacean Society. Palma de Mallorca, March 1990*, 49-52.
- Bakker, J.F., Jonge, V.N. de, Bartelds, W., Dijkhuizen, D. and Loos, C., 1994. The status of contaminants and nutrients in the Wadden Sea, a potential risk for birds? *Pollution of the Wadden Sea over the past decennium. Ophelia* 6, 99-116.

- Bakker, J.F., Zande, T. van de and Smedes, F., 1996. Verontreinigingsgraad van en contaminantgehalte in sediment in de Waddenzee in 1993. Report RIKZ-96.027 ISSN 0927-3980, National Institute for Coastal and Marine Management, Rijkswaterstaat, The Netherlands.
- Bakker, J.P., 1989. Nature management by grazing and cutting. Kluwer, Dordrecht, The Netherlands. pp. 400.
- Bakker, J.P., 1993. Strategies for grazing management on salt marshes. Wadden Sea Newsletter 1993-1, 8-10.
- Ballschmiter, K., 1999. The globe as a reaction vessel: environmental chemistry under global aspects. Key note presentation at the 9th Annual Meeting of SETAC-Europe, Leipzig, 25-29 May 1999.
- Baptist, H.J.M., 1987. Waarnemingen van zeezoogdieren in de Nederlandse sector van de Noordzee. Lutra 30, 93-104.
- Baptist, H.J.M., 1992. Witsnuitdolfijnen *Lagenorhynchus albirostris* in de Westerschelde. Sula 6, 59.
- Baptist, H.J.M. and Wolf, P.A., 1993. Atlas van de vogels van het Nederlands continentaal plat. Rapport DGW-93.012. Ministerie van Verkeer en Waterstaat.
- Baptist, H.J.M., Camphuysen, C.J. and Leopold, M.F., 1990. Sea Mammal sightings in The Netherlands. In: Evans, P.G.H., Aguilar, A. and Smeenk, C., (Eds.). European Research on Cetaceans 4. Proc. Fourth Ann. Conf. European Cetacean Society. Palma de Mallorca, March 1990, 31-33.
- Baptist, H.J.M., Witte, R.H., Duiven, P. and Wolf, P.A., 1997. Aantallen Eidereenden *Somateria mollissima* in de Nederlandse kustwateren en de Waddenzee in de winters 1993-97. Limosa 70, 113-118.
- Baretta, J. and Ruardij, P., 1988. Tidal Flat Estuaries. Ecological Studies, 71. Springer Verlag, Berlin. pp. 353.
- Bastrop, R., Röhner, M., Sturmhuber, C. and Jürss, K., 1997. Where did *Marenzelleria* spp. (Polychaeta: Spionidae) in Europe come from? Aquat. Ecol. 31, 119-136.
- Bäthe, J. and Preuß, K., 1994. Plankton und Benthos. Bericht zum DVWK-F+E-Vorhaben "Folgen der Reduktion der Salzbelastung in Werra und Weser für das Fließgewässer als Ökosystem". Niedersächsisches Landesamt für Ökologie, Hildesheim.
- Bayne, B.L., 1965. Growth and delay of metamorphosis of the larvae of *Mytilus edulis* (L.). Ophelia 2, 1-47.
- Beckedorf, R. and Schubert, H.-J., 1995. Funktionsüberprüfung der Fischaufstiegsanlagen an der Staustufe Geesthacht. Binnenfischerei in Niedersachsen 4. Niedersächsisches Landesamt für Ökologie, Hildesheim.
- Becker, G. 1997. Hydrographic conditions on the coast of Lower Saxony in winter/spring 1996. In: Henke, S. (Ed.). Black spots in the Wadden Sea. Texte 3/97. Federal Environmental Agency, Berlin. pp. 23-26.
- Becker, G. and Dooley, H., 1995. The 1989/91 High Salinity Anomaly in the North Sea and adjacent areas. Ocean Challenge 6(1), 52-57.
- Becker, G. and Pauly, M., 1996. Sea surface temperature changes in the North Sea and their causes. ICES J. mar. Sci. 53, 887-898.
- Becker, P.H., 1989. Seabirds as monitor organisms of contaminants along the German North Sea coast. Helgoländer Meeresunters. 43, 395-403
- Becker, P.H., Koepff, C., Heidmann, W.A. and Büthe, A., 1991. Schadstoffmonitoring mit Seevögeln. Forschungsbericht UBA-FB 91-081, Texte 2/92, Umweltbundesamt Berlin, pp. 259.
- Becker, P.H., Thyen, S., Mickstein, S., Sommer, U. and Schmieder, K.R., 1998. Monitoring pollutants in coastal bird eggs in the Wadden Sea. Wadden Sea Ecosystem No. 8, Common Wadden Sea Secretariat, Wilhelmshaven, pp. 59-101.
- Beek, F.A. van, Rijnsdorp, A.D. and Clerck, R. de, 1989. Monitoring juvenile stocks of flatfish in the Wadden Sea and the coastal areas of the southeastern North Sea. Helgoländer Meeresunters. 43, 461-477.
- Beesen, A.H.G.C., Devilee, B.J.W.M. and Nijhuis, A., 1998. Vierde Nota Waterhuishouding, Regeringsbeslissing (Fourth Nota on Water Management, Governmental Decision), Ministry of Transport, Public Works and Water Management, The Hague (NL), December 1998.
- Behre, K.-E., 1985. Die ursprüngliche Vegetation in den deutschen Marschgebieten und deren Veränderung durch prähistorische Besiedelung und Meeresspiegelbewegungen. Verh. Ges. Ökol. 13, 85-96.
- Beintema, A.J. and Müskens, G.D.J.M., 1993. Changes in migration pattern of the Common Snipe. In: Kalchreuter, H. (Ed.). Proceedings 2nd European Woodcock and Snipe workshop 1982. Fordingbridge, pp.146 – 160.
- Benke, H. and Siebert, U., 1994. Zur Situation der Kleinwale im Wattenmeer und in der südöstlichen Nordsee. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 309-316.
- Bennekom, A.J. van, Gieskes, W.W.C. and Tijssen, S. B., 1975. Eutrophication of Dutch coastal waters. Proc. R. Soc. Lond. B 189, 359-374.
- Bergemann, M., 1995. Die Lage der oberen Brackwasserzone im Elbeästuar. DGM 39 (4/5), 134-137.
- Berghahn, R. and Rösner, H.-U., 1992. A method to quantify feeding of seabirds on discard from the shrimp fishery in the North Sea. Neth. J. Sea Res. 28, 347-350.

- Bernem, C. van, 1997. Final Discussion. In: Henke, S (Ed.). Black spots in the Wadden Sea. Texte 3/97. federal Environment Agency, Berlin. pp. 69-76.
- Bester, K., 1996. Über Eintrag, Verbleib und Auswirkungen von stickstoff- und phosphorhaltigen Schadstoffen in der Nordsee, Verlag Shaker, Aachen, pp. 151.
- Bester, K. and Faller, J.T., 1994. Persistente synthetische organische Schadstoffe in Wattenmeer. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 37-41.
- Bester, K. and Hühnerfuss, H., 1993. Triazines in the Baltic and the North Sea. Mar. Poll. Bull. 26, 423-427; 26, 657-658.
- Bester, K. and Hühnerfuss, H., 1996. Triazine herbicide concentrations in the German Wadden Sea. Chemosphere 32, 1919-1928.
- Bester, K. and Hühnerfuss, H., 1997. Improvements of a combined size exclusion chromatography and solid phase extraction approach for the clean up of marine sediment samples for trace analysis of pesticides. Fresenius J. Anal. Chem., 358, 630-634.
- Bester, K. and Hühnerfuss, H., 1998. Auswirkungen des Einsatzes von Triazinherbiziden auf die Nordsee (Effects of triazine herbicides use on the North Sea). Internal report. Expertgroup of quality objectives in the North Sea. Umweltbundesamt, Berlin.
- Bester, K., Hühnerfuss, H., Brockmann, U. and Rick, H.J., 1995. Biological effect of triazine herbicide contamination on marine phytoplankton. Arch. Environ. Contam. Toxicol. 29, 277-283.
- Bester, K., Hühnerfuss, H., Lange W. and Theobald, N., 1997. Results of non target screening of lipophilic organic pollutants in the German Bight I: Benzothiazoles. Sci. Total Environ. 207, 111-118.
- Bester, K., Hühnerfuss, H., Lange, W., Rimkus, G.G. and Theobald, N., 1998a. Results of non target screening of lipophilic organic pollutants in the German Bight II: Polycyclic Musk Fragrances. Water Research 32, 1857-1863.
- Bester, K., Biselli, S., Gatermann, R., Hühnerfuss, H., Lange, W. and Theobald, N., 1998b. Results of non target screening of lipophilic organic pollutants in the German Bight III: 2,5-Dichloroaniline. Chemosphere. 36, 1973-83.
- Bester, K., Gatermann, R., Hühnerfuss, H., Lange, W. and Theobald, N., 1998c. Results of non-target screening of lipophilic organic pollutants in the German Bight IV: Identification and Quantification of Chloronitrobenzenes and Dichloronitrobenzenes. Environ. Poll. 102, 163-169.
- Beukema, J.J., 1982. Annual variation in reproductive success and biomass of the major macrozoobenthic species living in a tidal flat area of the Wadden Sea. Neth. J. Sea Res. 16, 37-45.
- Beukema, J.J., 1986. Eutrophication of the North Sea. In: Peet, G. (Ed.). Proceedings of the 2nd North Sea Seminar. Werkgroep Noordzee. Amsterdam, pp. 25-36.
- Beukema, J.J., 1989. Long-term changes in macrozoobenthic abundance on the tidal flats of the western Dutch Wadden Sea. Helgoländer Meeresunters. 43, 405-415.
- Beukema, J.J., 1990. Expected effects of changes in winter temperatures on benthic animals living in soft sediments in coastal North Sea areas. In: Beukema, J. J., Wolff, W.J. and Brouns, J.J.W.M. (Eds.). Expected effects of climate change on marine coastal ecosystems. Developments in Hydrobiol. 57, Kluwer Academic Publishers, Dordrecht, pp. 83-92.
- Beukema, J.J., 1991. The abundance of shore crabs *Carcinus maenas* (L.) on a tidal flat in the Wadden Sea after cold and mild winters. J. Exp. Mar. Biol. Ecol. 153, 97-113.
- Beukema, J.J., 1992a. Dynamics of juvenile shrimp *Crangon crangon* in a tidal-flat nursery of the Wadden Sea after cold and mild winters. Mar. Ecol. Prog. Ser. 83, 157-165.
- Beukema, J.J., 1992b. Expected changes in the Wadden Sea benthos in a warmer world: Lessons from periods with mild winters. Neth. J. Sea Res. 30, 73-79.
- Beukema, J.J., 1993. Increased mortality in alternative bivalve prey during a period when tidal flats of the Dutch Wadden Sea were devoid of mussels. Neth. J. Sea Res. 31(4), 395-406.
- Beukema, J.J. and Cadée, G.C., 1986. Zoobenthos responses to eutrophication of the Dutch Wadden Sea. Ophelia 26, 55-64.
- Beukema, J.J. and Cadée, G.C., 1997. Local differences in macrozoobenthic response to enhanced food supply caused by mild eutrophication in a Wadden Sea area: food is only locally a limiting factor. Limnol. Oceanogr. 42, 1424-1435.
- Beukema, J.J. and Dekker, R., 1995. Dynamics and growth of a recent invader into European coastal waters: the American razor clam, *Ensis directus*. J. Mar. Biol. Ass. UK 75, 351-362.
- Beukema, J.J. and Essink, K., 1986. Common patterns in the fluctuations of macrozoobenthos species living at different places on the tidal flats in the Wadden Sea. Hydrobiologia 142, 199-207.
- Beukema, J.J., Dörjes, J. and Essink, K., 1988. Latitudinal differences in survival during a severe winter in macrozoobenthic species sensitive to low temperatures. Senckenbergiana marit. 20, 19-30.
- Beukema, J.J., Essink, K., Michaelis, H. and Zwarts, L., 1993. Year-to-year variability in the biomass of macrobenthic animals on tidal flats of the Wadden Sea: How predictable is this food source for birds? Neth. J. Sea Res. 31(4), 319-330.

- Beukema, J.J., Essink, K. and Michaelis, H., 1996. The geographic scale of synchronized fluctuation patterns in zoobenthos populations as key to underlying factors: climatic or man-induced. *ICES J. mar. Sci.* 53, 964-971.
- Beukema, J.J., Cadée, G.C. and Dekker, R., 1998. How two large-scale "experiments" illustrate the importance of enrichment and fishery for the functioning of the Wadden Sea ecosystem. Proceedings 9th International Wadden Sea Symposium, November 1996, Norderney. *Senckenbergiana marit.* 29, 37-44.
- Beukema, J.J., Honkoop, P.J.C. and Dekker, R., 1998. Recruitment in *Macoma balthica* after mild and cold winters and its possible control by egg production and shrimp predation. *Hydrobiologia* 375/376, 23-34.
- Beusekom, J.E.E. van and Diel-Christiansen, S., 1996. Alterations of the North Sea plankton ecosystem due to changes in the regional climate, nutrient input and contaminant load: a hypothesis. In: Andersen, J., Karup, H. and Nielsen, U.B., (Eds.). Scientific Symposium on the North Sea Quality Status Report 1993, 18-21 April, 1994, Ebeltoft, Denmark. Ministry of Environment and Energy, Danish Environmental Protection Agency, Copenhagen, 64-73.
- Beusekom, J.E.E. van, Brockmann, U.H., Hesse, K.-J., Hickel, W., Poremba, K. and Tillmann, U., 1998. Sediment - water interaction in the German Bight and adjacent Wadden Sea. *TRANSWATT/KUSTOS Abschlussbericht* 255-278.
- Bezirksregierung Weser-Ems, 1997. Generalplan Küstenschutz für den Regierungsbezirk Weser-Ems. Bezirksregierung Weser-Ems, Oldenburg.
- BfG, 1994. Historische Entwicklung der aquatischen Lebensgemeinschaft (Zoobenthos und Fischfauna) im deutschen Abschnitt der Elbe. Bericht der Bundesanstalt für Gewässerkunde Koblenz im Auftrag des Bundesministeriums für Umwelt, Naturschutz und Reaktorsicherheit, pp. 173.
- Bijlsma, J.W.J., Breuer, R.E.H., Jansen, H.G., Posthuma, H., Roovaart, J.C. van den, Schooten, P. van and Voorhoeve, B., 1991. European coastal management. Universitaire Beroepsopleiding Milieukunde Report No. 1991/2, Leiden.
- Boddeke, R. and Hagel, P., 1994. BEON studie naar de effecten van de teruglopende nutriëntenbelasting van de Nederlandse kustzone. BEON Rapport, 94-17.
- Boddeke, R., Daan, N., Posthuma, K.H., Veen J.F. de and Zijlstra, J.J., 1969. A census of juvenile demersal fish in the Dutch Wadden Sea, the Zeeland nursery ground, the Dutch coastal area and the open sea areas off the coasts of The Netherlands, Germany and the southern part of Denmark. *Ann. biol. Copenhagen* 26, 269-275.
- Boer, K.D.E. and Wolf, W.J., 1996. Tussen zilt en zoet. Voorstudie naar de betekenis van estuariene gradienten in het Waddengebied. Rijksuniversiteit Groningen.
- Boer, T.E. de, Arts, F., Beijersbergen, R.B. and Meininger, P.L., 1993. Actieplan Dwergstern. Actierapport 8, Vogelbescherming Nederland, Zeist.
- Boer, J. de, Wester, P.G., Klamer, H.J.C., Lewis, W.W. and Boon, J.P., 1999. Do flame retardants threaten ocean life? *Nature*, 394, 28-29.
- Brasseur, S.M.J.M. and Reijnders, P.J.H., 1997. The harbour seal in The Netherlands. IBN-DLO Texel, dept. Aquatic Ecology. Project 350 16 13. Directorate-General Rijkswaterstaat, pp. 40.
- Breckling, P. and Neudecker, T., 1994. Monitoring the fish fauna in the Wadden Sea with stow nets (Part 1). A comparison of demersal and pelagic fish fauna in a deep tidal channel. *Arch. Fish. Mar. Res.* 42(1), 3-15.
- Bree, P.J.H. van, Vedder, E.J. and Hart, L. 't, 1992. Over vondsten van ringelrobber *Phoca hispida* op de Nederlandse kust. *Lutra* 35, 90-97.
- Bree, P.J.H. van, Vedder, E.J. and Hart, L. 't, 1994. Over zadelrobber *Phoca groenlandica* op de kust van continentaal West-Europa. *Lutra* 37, 97-105.
- Bree, P.J.H. van and Smeenk, C., 1978. Strandingen van Cetacea op de Nederlandse kust in 1976 en 1977. *Lutra* 20, 13-18.
- Bree, P.J.H. van and Smeenk, C., 1982. Strandingen van Cetacea op de Nederlandse kust in 1975, 1979 en 1980. *Lutra* 25, 19-29.
- Breukel, R.M.A., Phernambucque, A.J.W., Wiltig, A., Teunissen-Ordeman, H.G.K. and Geenen, J.P.W., 1996. Sporen in water, zes jaar speuren. (Traces in water, six years of probing). Report no. RIKZ 96.036, ISBN 903 69 504 30. Rijkswaterstaat.
- Bruins, R.W.B., 1983. *Crassostrea gigas* (Thunberg, 1793) op Texel. *Corr. Bl. Ned. Malc. Vereniging* 215, 1436-1438.
- Brunckhorst, H. and Rösner, H.-U., 1998. Das Vorkommen von Pfeifenten (*Anas penelope*) im schleswig-holsteinischen Wattenmeer. *Corax* 17, 81-96.
- Brussaard, C.P.D., Riegman, R., Noorderloos, A.A.M., Cadée, G.C., Witte, H., Kop, A.J., Nieuwland, G., Duyl, F.C. van and Bak, R.P.M., 1995. Effects of grazing, sedimentation, and phytoplankton cell lysis on the structure of a coastal pelagic food web. *Mar. Ecol. Prog. Ser.* 123, 259-271.
- Buchwald, K., 1990. Nordsee: ein Lebensraum ohne Zukunft. Die Werkstatt, Göttingen, pp. 552.
- Buhs, F. and Reise, K., 1997. Epibenthic fauna dredged from tidal channels in the Wadden Sea of Schleswig-Holstein: spatial patterns and a long-term decline. *Helgoländer Meeresunters.* 51, 343-359.
- Bunje, J., 1990. Tourismus im Nationalpark Niedersächsisches Wattenmeer, Diplomarbeit Universität Göttingen, pp. 157.
- Bunje, J., 1997. Salt marshes in the National Park "Niedersächsisches Wattenmeer". Status, Management, Aims and Results. *Wadden Sea newsletter* 1997-1, 16-19

- Busch, D., Schirmer, M., Schuchardt, B. and Ullrich, P., 1989. Historical changes of the River Weser. In: Petts, G.E., Roux, A. L. and Möller, H. (Eds.). Historical Change of Large Alluvial Rivers: Western Europe. J. Wiley & Sons, Chichester. pp. 297-321.
- Cadée, G.C., 1984. Has input of organic matter into the western part of the Dutch Wadden Sea increased during the last decades? *Neth. Inst. Sea Res. Publ. Ser. 10*, 71-82.
- Cadée, G.C., 1992a. Trends in Marsdiep phytoplankton. In: Dankers, N., Smit, C.J. and Scholl, M. (Eds.). Proceedings of the 7th international Wadden Sea Symposium, Ameland 1990. Present and future conservation of the Wadden Sea. *Neth. Inst. Sea Res. Publ. Ser. 20*, 143-149.
- Cadée, G.C., 1992b. Variation in Marsdiep phytoplankton. *ICES Mar. Sci. Symp.* 195, 213-222.
- Cadée G.C., 1996. Accumulation and sedimentation of *Phaeocystis globosa* in the Dutch Wadden Sea. *J. Sea Res.* 36, 321-327
- Cadée G.C., Hegeman J., 1977. Distribution of primary production of the benthic microflora and accumulation of organic matter on a tidal flat area, Balgzand, Dutch Wadden Sea. *Neth. J. Sea Res.* 11, 24-41
- Cadée, G.C. and Hegeman, J., 1991. Historical phytoplankton data of the Marsdiep. *Hydrobiol. Bull.* 24, 111-118.
- Cadée, G.C. and Hegeman, J., 1993. Persisting high levels of primary production at declining phosphate concentrations in the Dutch coastal area (Marsdiep). *Neth. J. Sea Res.* 31(2), 147-152.
- Cameron, P., Weichsel, T., Fick, A. and Watermann, B., 1998. TBT-Belastung der Küstensedimente in Nord- und Ostsee und ihre hormonellen Auswirkungen auf Meeresschnecken. (TBT load on coastal sediments of the North Sea and East Sea and their hormonal effects on sea snails). Umweltstiftung WWF – Germany, Bremen, pp. 24.
- Camphuysen, C.J., 1989. Beached Bird Surveys in The Netherlands 1915-1988; Seabird mortality in the southern North Sea since the early days of oil pollution. *Tech. Rep. Vogelbescherming 1, Werkgroep Noordzee, Amsterdam*, pp. 322.
- Camphuysen, C.J., 1994a. Terugkeer van Bruinvis en Tuimelaar in Nederlandse wateren? *Sula* 8, 271-274.
- Camphuysen, C.J., 1994b. The harbour porpoise, *Phocoena phocoena*, in the southern North Sea, II: a come-back in Dutch coastal waters? *Lutra* 37, 54-61.
- Camphuysen, C.J., 1995. Beached birds in The Netherlands as indicators of marine oil pollution. *Sula* 9 (special issue), 1-90.
- Camphuysen, C.J., 1997. Oil pollution and oiled seabirds in The Netherlands, 1969-97: Signals of a cleaner Sea. *Sula* 11(2) (special issue), 41-156.
- Camphuysen, C. J. and Franeker, J.A., (Eds.), 1991. Oil pollution, Beached Bird Surveys and Policy: towards a more effective approach to an old problem. Proceedings of the NZG/NSO Workshop on 19 April 1991 in Rijswijk, The Netherlands, *Sula* 5 (special issue), 1-52.
- Camphuysen, C. J. and Franeker, J.A., 1992. The value of beached bird surveys in monitoring marine oil pollution. *Technisch rapport Vogelbescherming 10 Nederland, Zeist*, pp. 191.
- Camphuysen, C.J. and Leopold, M.F., 1993. The harbour porpoise, *Phocoena phocoena*, in the southern North Sea, particularly the Dutch sector. *Lutra* 36, 1-24.
- Camphuysen, C.J. and Leopold, M.F., 1994. Atlas of seabirds in the southern North Sea. IBN Research report 94/6, NIOZ Report 1994-8, Institute for Forestry and Nature Research, Netherlands Institute for Sea Research and Dutch Seabird Group, Texel, pp. 126.
- Camphuysen, C.J. and Winter, C.J.N., 1995. Feeding fin whales, *Balaenoptera physalus*, in the North Sea. *Lutra* 38, 81-84.
- Camphuysen, C.J., Ens, B.J., Heg, D., Hulscher, J.B., Meer, J. von der and Smit, C.J., 1996. Oystercatcher *Haematopus ostralegus* winter mortality in The Netherlands: The effect of severe weather and food supply. *Ardea* 84A, 469-492.
- Carter, R.W.G., 1989. Coastal environments. Academic Press, London, pp. 617.
- Chapman, V.J., 1976. Coastal vegetation. Pergamon Press, Frankfurt.
- Claus, B., Neumann, P. and Schirmer, M., 1994. Rahmenkonzept zur Renaturierung der Unterweser und ihrer Marsch. Teil 1 und Teil 2. Gemeinsame Landesplanung Bremen/Niedersachsen 1/94 und 8/94.
- Colijn, F. and Jonge, V.N. de, 1984. Primary production of microphytobenthos in the Ems-Dollard Estuary. *Mar. Ecol. Prog. Ser.* 14, 185-196.
- Cordes, H., 1993. Die Entwicklung des Naturraumes Unterweser aus vegetationskundlicher Sicht. In: UVP- Förderverein (Ed.). Umweltvorsorge für ein Fluß- Ökosystem. Vertrieb für Bau- und Planungsliteratur, Dortmund. pp. 67-76.
- Corten, A. and Kamp, G. van den, 1979. Abundance of herring larvae in the Dutch Wadden Sea as a possible indication of recruitment strength. ICES report C.M. 1979/ H: 26 Pelagic Fish Committee.
- CPR Survey Team, 1992. Continuous plankton records: the North Sea in the 1980's. *ICES Mar. Sci. Symp.* 195, 243-248.

- CWSS, 1994. Seventh Governmental Wadden Sea Conference, Leeuwarden, 1994. Ministerial Declaration, Memorandum of Intent, Guinea Bissau – Wadden Sea, Assessment Report. Common Wadden Sea Secretariat, Wilhelmshaven, pp. 154.
- CWSS, 1996. Black spots newsbulletin 1996-1. Common Wadden Sea Secretariat, Wilhelmshaven.
- Daan, R., 1989. Factors controlling the summer development of copepod populations in the southern bight of the North Sea. *Neth. J. Sea Res.* 23, 305-322.
- Dahl, K., Borchardt, T., Dankers, N. and Farke, H., 1994. Status, trends, regulations and ecological effects of the Wadden Sea Fishery. In: Frederiksen, M. and Dahl, K. (Eds.). *Birds and their ecology in the Wadden Sea. Proceed. 8th Internat. Scient. Wadden Sea Symp., Esbjerg 1993. Ophelia, Suppl. 6*, 87-97.
- Dahlmann, G. and Nies, H., 1997. The role of the lipid surface film as a cause of the black spots. In: Henke, S. (Ed.). *Black spots in the Wadden Sea. Texte 3/97. Federal Environmental Agency, Berlin*, pp. 53-54.
- Dahlmann, G., Timm, D., Awerbeck, C., Camphuysen, C., Skov, H. and Durinck, J., 1994. Oiled Seabirds-Comparative Investigations on Oiled Seabirds and Oiled Beaches in The Netherlands, Denmark and Germany (1990-93). *Mar. Poll. Bull.* 28 (5), 305-310.
- Dalfsen, J.A. and K. Essink, 1997. Risk analysis of coastal nourishment techniques. RIKZ Report 97.022. RIKZ, Haren.
- Dame, R. and Dankers, N., 1988. Uptake and release of materials by a Wadden Sea mussel bed. *J. Exp. Mar. Biol. Ecol.* 118, 207-216.
- Dame, R., Dankers, N., Prins, T., Jongmsa, H. and Smaal, A., 1991. The influence of mussel beds on nutrients in the western Wadden Sea and Eastern Scheldt estuaries. *Estuaries* 14, 130-138.
- Damm, U. and Neudecker, T., 1996. Abundance indices of plaice (*Pleuronectes platessa* L.) and sole (*Solea solea* L.) at the west coast of Schleswig-Holstein, North Sea. ICES Report C.M G:7, Demersal Fish Committee, pp. 12.
- Danielsen, F., Skov, H., Durinck, J., Christensen, K. M., 1990. Seks års overvågning af døde havfugle. *Dansk orn. Foren. Tidskr.* 84, 8-9.
- Dankers, N., 1993. Integrated estuarine management - Obtaining a sustainable yield of bivalve resources while maintaining environmental quality. In: Dame, R. (Ed.). *Bivalve Filter Feeders in Estuarine and Coastal Ecosystem Processes. NATO ASI Series Vol G 33, Springer Berlin-Heidelberg*, pp. 479-511.
- Dankers, N. and Koelemaij, K., 1989. Variations in the mussel population of the Dutch Wadden Sea in relation to monitoring. *Helgoländer Meeresunters.* 43, 529-535.
- Dankers, N., Kühl, H. and Wolff, W.J., 1983. *Invertebrates of the Wadden Sea. Balkema, Rotterdam*, pp. 221.
- Dankers, N., Dame, R. and Kersting, K., 1989. The oxygen consumption of mussel beds in the Dutch Wadden Sea. *Scient. Mar.* 53, 473-476.
- Dankers, N., Meijboom, A. and Zegers, J., 1998. De ontwikkeling van mosselbanken in de Nederlandse Waddenzee. IBN-report (in press).
- Dauer, D., Maybury, C.A. and Ewing, R.M., 1981. Feeding behaviour and general ecology of several polychaetes from the Chesapeake Bay. *J. exp. mar. Biol. Ecol.* 54, 21-38.
- Davidson, N.C. and Piersma, T. (Eds.), 1992. The migration of knots. *Wader Study Group Bull.* 64. Special Issue.
- Davidson, N.C. and Rothwell, P.I., 1993. Human disturbance to waterfowl on estuaries: conservation and coastal management implication of current knowledge. *Wader Study Group Bull.* 68, 97-105.
- Day, J.W., Hall, C.A.S., Kemp, W.M. and Yanez-Arancibia, A., 1989. *Estuarine Ecology. J. Wileys and Sons, New York*, pp. 558.
- Dehus, P., 1987. Bericht über die Befischung der Außeneider, der Untereider und der Mittleren Eider. Institut für Meereskunde Kiel, pp. 10, (unpublished).
- Dekker, R., 1989. The macrozoobenthos of the subtidal western Dutch Wadden Sea. I. Biomass and species richness. *Neth. J. Sea Res.* 23, 57-68.
- Delafontaine, M.T. and Flemming, B.W., 1997a. Episodic organic loading and mass mortality in marine sedimentary environments. In: Henke, S. (Ed.). *Black spots in the Wadden Sea. Texte 3/97, Federal Environmental Agency, Berlin*. pp.47-49.
- Delafontaine, M.T. and Flemming, B.W., 1997b. The black tide of June 1996 in the German Wadden Sea revisited a year later. *Symposium Aktuelle Probleme der Meeresumwelt. Dt. hydrogr. Z. Suppl.* 7, pp. 21-27.
- Dethlefsen, V., Westernhagen, H. von and Cameron, P., 1996. Malformations in North Sea pelagic fish embryos during the period 1984-1995. *ICES J. mar. Sci.* 53, 1024-1035.
- DGSM, 1993. Verkeersveiligheid op de Noordzee.
- Dick, S., Brockmann, U.H., Beusekom, J. van, Fabiszky, B., George, M., Hesse, K.-J., Mayer, B., Nitz, T., Pohlmann, T., Schaumann, K., Starke, A., Tillmann, U. and Weide, G., 1998. Exchange of matter and energy between the Wadden Sea and the coastal waters of the German Bight. *Dt. hydrogr. Zeitschrift* (in press).
- Dickson, R.R., Kelly, P.M., Colebrook, J.M., Wooster, W.S. and Cushing, D.H., 1988. North winds and production in the eastern North Atlantic. *J. Plankton Res.* 10, 151-169.
- Dieckmann, R., Osterthun, M. and Partensky, H.W., 1988. A comparison between German and North American tidal inlets. *Proc. 2 Ist. Coast. Enging. Conf. ASCE* 3 199, 2681-269 1.

- Dieren, J. W. van, 1934. Organogene Dünenbildung. Ph.D. thesis, Amsterdam, pp. 304.
- Dijkema, K.S., 1987. Geography of salt marshes. *Zeitschrift für Geomorphologie* 31, 489-499.
- Dijkema, K.S., 1990. Salt and brackish marshes around the Baltic Sea and adjacent parts of the North Sea: Their vegetation and management. *Biological Conservation* 51, 191-209.
- Dijkema, K.S., 1991. Toekomstig beheer van kwelders op de eilanden en het vaste land. *Waddenbulletin* 91, 118-122.
- Dijkema, K.S., 1994a. Küstenschutz am niederländischen Festland. *Wattenmeer International* 2, 11-12.
- Dijkema, K.S., 1994b. Zeespiegelstijging en kwelderbeheer. *Waddenbulletin* 94, 104-107.
- Dijkema, K.S., 1994c. Auswirkungen des Meeresspiegelanstieges auf die Salzwiesen. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). *Warnsignale aus dem Wattenmeer*. Blackwell, Berlin, pp. 196-200.
- Dijkema, K.S., 1994d. Expected developments of The Netherlands saltmarshes and seagrasses. In: Nugteren, J. van (Ed.). *Brent geese in the Wadden Sea*. The Dutch Society for the Preservation of the Wadden Sea, Harlingen, The Netherlands, pp. 157-167.
- Dijkema, K.S., 1997. Impact prognosis for salt marshes from subsidence by gas extraction in the Wadden Sea. *Journal of Coastal Research* 13(4), 1294-1304.
- Dijkema, K.S. and Heydemann, B., 1984. Western-European salt marshes - Wadden Sea and southwest Netherlands. In: Dijkema, K.S., Beeftink, W.G., Doody, J.P., Géhu, J.M., Heydemann, B. and Rivas Martinez, S. (Eds.). *Salt marshes in Europe*. Nature and Environment Series 30. Strasbourg, France, pp. 82-103.
- Dijkema, K.S., Tienen, G. van and Beek, J.J. van, 1989. Habitats of The Netherlands, German and Danish Wadden Sea 1:100,000. Research Institute for Nature Management, Texel/Veth Foundation, Leiden, 24 maps.
- Dijkema, K.S., Bergs, J. van den, Bossinade, J. and Kroese, T.A.G., 1995. Monitoring kwelderwerken in Groningen en Friesland. *Evaluatie medio 1992-medio 1994*. RWS Noord Nederland, DLO.
- Dijkhuizen, D., Velde, J. van de and Frederiks, B., 1996. Emissies naar de Wadenzee; 1985-1994. National Institute for Coastal and Marine Management / RIKZ Report RIKZ-96.038, December 1996, pp. 74-75.
- Dillingh, D. and Heinen, P.F., 1994. Zeespiegelstijging, getijverandering en deltaveiligheid. Nota RIKZ-94.026.
- Dittmann, S., 1990. Mussel beds - amensalism or amelioration for intertidal fauna. *Helgoländer Meeresunters.* 44, 335-352.
- Dittmer, J.-D., 1981. The distribution of subtidal macrobenthos in the estuaries of the rivers Ems and Weser. In: Dankers, N., Kühl, H. and Wolff, W.J. (Eds.). *Invertebrates of the Wadden Sea*. Balkema, Rotterdam, pp. 188-206.
- Donovan, G.P. and Bjørge, A., 1995. Harbour porpoises in the North Atlantic: edited abstract from the Report of the IWC Scientific Committee, Dublin, 1995. In: Bjørge, A. and Donovan, G.P. (Eds.). *Biology of the Phocoenids*. Rep. Int. Whal. Commis., Special Issue 16, 3-25.
- Dörjes, J., Michaelis, H. and Rhode, B., 1986. Long-term studies of macrozoobenthos in intertidal and shallow subtidal habitats near the island of Norderney (East Frisian coast, Germany). *Hydrobiologia* 142, 217-232.
- Dronkers, J., 1984. Import of fine marine sediment in tidal basins. *Neth. Inst. Sea Res. Publ. Ser.* 10, 83-105.
- Duiker, J.M.C., Nomden, E. and Smaal, A., 1998. De invloed van mechanische schelpdiervisserij op de sedimenthuishouding van de Wadenzee (The influence of mechanical mollusc fishery on sediments of the Wadden Sea). Instituut voor Marien en Atmosferisch Onderzoek, Rijksuniversiteit Utrecht. Rapport R 98-01.
- Duin, W.E. van, Dijkema, K.S. and Zegers, J., 1997. Veranderingen in bodemhoogte (opslibbing, erosie en inkling) in de Paezemerlannen. IBN-Rapport 326, Wageningen, pp. 104.
- Duinker, J.C., Hillebrand, M.T.J., Nolting, R.F., Wellershaus, S. and Kingo Jacobsen, N., 1980. The river Varde Å: Processes affecting the behaviour of metals and organochlorines during estuarine mixing. *Neth. J. Sea Res.* 14 (3/4), 237-267.
- Ebbinge, B.S., 1985. Factors determining the population size of arctic-breeding geese, wintering in Western Europe. *Ardea* 73, 121-128.
- Ebbinge, B.S., 1991. The impact of hunting on mortality rates and spatial distribution of geese wintering in the Western Palearctic. *Ardea* 79, 197-210.
- Ebbinge, B.S., 1992. Regulation of numbers of Dark-bellied Brent Geese *Branta bernicla bernicla* on spring staging sites. *Ardea* 80, 203-228.
- Ebbinge, B.S. and Spaans, B., 1995. The importance of body reserves accumulated in spring staging areas in the temperate zone for breeding in Dark-bellied Brent Geese *Branta b. bernicla* in the high Arctic. *J. Avian Biol.* 26, 105-113.
- Ebenhöh, W., 1997. Black spots in the Wadden Sea. A mathematical model. In: Henke, S. (Ed.). *Black spots in the Wadden Sea*. Texte 3/97. Federal Environmental Agency, Berlin, pp. 55-59.

- Eerden, M. R. van, Zijlstra, M., Roomen, M. van and Timmerman, A., 1996. The response of Anatidae to changes in agricultural practice: Long-term shifts in the carrying capacity of wintering waterfowl. *Gibier Faune Sauvage* 13, 681-706.
- Eigner, J., 1992. Fundamentals of dune protection in the Wadden Sea area of Schleswig-Holstein. In: Hilgerloh, G., (Ed.). Proceedings of the Third Trilateral Working Conference on Dune Management in the Wadden Sea Area. National Park Administration, Wilhelmshaven, pp. 21-26.
- Ejbye-Ernst, M. and Thiil Nielsen, H., 1997. Laksefiskene og fiskeriet i Vadehavsområdet resume rapport fra Ribe Amt Sønderjyllands Amt og DanmarksFiskeriundersøgelser. ISBN 87-7342-841-8.
- Ejbye-Ernst, M., Larsen, L.K., Grøn, P.N., Møller, B. and Nielsen, M.B., 1988. Snæblen – en truet fiskeart. Sønderjyllands amtsråd og Ribe amtsråd, pp. 31.
- Elbrächter, M., 1994. Phytoplankton und toxische Algen. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, 81-86.
- Elbrächter, M., 1997. Phytoplankton blooms in the North Sea. In: Henke, S. (Ed.). Black spots in the Wadden Sea. Texte 3/97. Federal Environmental Agency, Berlin, pp. 50-52.
- Elbrächter, M. and Schnepf, E., 1996. *Gymnodinium chlorophorum*, a new, green, bloom-forming dinoflagellate (Gymnodiniales, Dinophyceae) with a vestigial prasinophyte endosymbiont. *Phycologia* 35, 381-393.
- Ens, B.J., Wintermans, G.J.M. and Smit, C.J., 1993. Verspreiding van overwinterende wadvogels in de Nederlandse Waddenzee. *Limosa* 66, 137-144
- Ens, B.J., Merck, T., Smit, C.J. and Bunscoeke, E.J., 1996. Functional and numerical response of oystercatcher *Haematopus ostralegus* on shellfish populations. *Ardea* 84A, 441-452.
- EON. 1988. Ecosysteemmodel van de westelijke Waddenzee. NIOZ rapport 1,1-88.
- Eppinga, J., 1997. HCB gehalten in Scholeksterieren in de Eems-Dollard. (HCB contents of oystercatcher eggs in the Ems-Dollard). Report RIKZ/OS-97.608x.
- Erchinger, H.F., 1992. Conservation of barrier dunes for coast protection. In: Hilgerloh, G., (Ed). Proceedings of the Third Trilateral Working Conference on Dune Management in the Wadden Sea Area. National Park Administration, Wilhelmshaven, pp. 44-52.
- Erchinger, H.F., 1995. Intaktes Deichvorland für Küstenschutz unverzichtbar. *Wasser und Boden* 47, 48-53.
- Erchinger, H.F., Coldewey, H-G. and Meyer, C., 1996. Interdisziplinäre Erforschung des Deichvorlandes im Forschungsvorhaben "Erosionsfestigkeit von Hellern". *Die Küste* 58, 1-45.
- Esbjerg Declaration, 1991. Sixth Governmental Wadden Sea Conference, Esbjerg, 1991. Ministerial Declaration, Seals Conservation and Management Plan, Memorandum of Intent, Assessment Report. Common Wadden Sea Secretariat, Wilhelmshaven, pp. 152.
- Essink, K., 1985. On the occurrence of the American jack-knife clam *Ensis directus* (Conrad, 1843) (Bivalvia, Cultellidae) in the Dutch Wadden Sea. *Basteria* 50, 73-80.
- Essink, K. and Dalftsen, J. van, 1998. The Riacon project. WSNL 1998-1, 13-15
- Essink, K. and Kleef, H.L., 1988. *Marenzelleria viridis* (Verrill, 1873) (Polychaeta: Spionidae. a new record from the Ems estuary (The Netherlands/Federal Republic of Germany). *Zoologische Bijdragen (Leiden)* No. 38, 1-13.
- Essink, K. and Kleef, H.L., 1993. Distribution and life cycle of the North American spionid polychaete *Marenzelleria viridis* (Verrill, 1873) in the Ems estuary. *Neth. J. Aquat. Ecol.* 27, 237-246.
- Essink, K., Eppinga, J. and Dekker, R., 1998a. Long-term changes (1977-1994) in intertidal macrozoobenthos of the Dollard (Ems estuary) and effects of introduction of the North American spionid polychaete *Marenzelleria cf. wireni*. *Senckenbergiana marit.* 28, 211-225.
- Essink, K., Beukema, J.J., Madsen, P.B., Michaelis, H. and Vedel, G.R., 1998b. Long-term development of biomass of intertidal macrozoobenthos in different parts of the Wadden Sea. Governed by nutrient loads?. Proceedings 9th International Wadden Sea Symposium, November 1996, Norderney. *Senckenbergiana marit.* 29, 25-36.
- Fairbridge, R. W., 1980. The estuary: its definition and geodynamic cycle. In: Olausson, E. and Cato, I. (Eds.). Chemistry and Biogeochemistry of Estuaries. J. Wiley & Sons, Chichester, 1-35.
- Farke, H., 1994. Eingriffe durch Baggararbeiten. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 60-64.
- Farke, H., 1997. Typology of Black spots. In: Henke, S. (Ed.). Black Spots in the Wadden Sea - Causes, Effects, Ecological Implications. Texte 3/97, Federal Environmental Agency, Berlin, pp. 3-4.
- Ferk, U., 1995. Folgen eines beschleunigten Meeresspiegelanstiegs für die Wattgebiete der niedersächsischen Nordseeküste. *Die Küste* 57, 135-156.
- Fiedler, M., 1991. Die Bedeutung von Makrozoobenthos und Zooplankton der Unterelbe als Fischnahrung. *Ber. Inst. Meeresk.* Kiel 204, pp. 226.

- Fleet, D.M., Frikke, J., Südbeck, P. and Vogel, R.L., 1994. Breeding Birds in the Wadden Sea 1991. Wadden Sea Ecosystem No. 1. Common Wadden Sea Secretariat, Wilhelmshaven, pp. 108.
- Fleet D. M., Gaus, S., Hartwig, E., Potel, P. and Schulze-Dieckhoff, M., 1995. Ölopfers in der Deutschen Bucht im Zeitraum 1. Oktober 1992 bis 31. Dezember 1994. Seevögel Bd.16, 87-92.
- Flemming, B.W. and Davis, R.A., 1994. Holocene Evolution, Morphodynamics and Sedimentology of the Spiekeroog Barrier Island System. *Senckenbergiana marit.* 24, Vol 1/6, 117-155.
- Flemming, B. and Delafontaine, M.T., 1994. Biodeposition in a juvenile mussel bed of the east frisian Wadden Sea (southern North Sea). *Neth. J. Aquatic Ecol.* 28, 289-297.
- Flemming, B. and Nyandwi, N., 1994. Land reclamation as a cause of fine-grained sediment depletion in backbarrier tidal flats (southern North Sea). *Neth. J. Aquatic Ecol.* 28, 299-307.
- Flemming, B. and Ziegler, K., 1995. High-resolution grain size distribution patterns and textural trends in the backbarrier environment of Spiekeroog Island (Southern North Sea). *Senckenbergiana marit.* 26, 1-24.
- Flügge, G., Gaumert, T. and Bergmann, M., 1989. Gewässergütekriterien und Bewirtschaftungsmodelle für die Tideelbe. Studie der Wassergütestelle Elbe im Auftrag des Umweltbundesamtes Berlin, pp. 247.
- Fock, H., 1996. Lebensgemeinschaften im Eu-, Supra- und Epilitoral des schleswig-holsteinischen Wattenmeeres und der Eider und Elbe und die analytische Modellierung der Struktur und Dynamik der Lebensgemeinschaften und der Regulation durch biotische Parameter und Umweltparameter. *Berichte, Forsch. u. Technologiezentrum Westküste d. Univ. Kiel, Nr. 13*, pp. 336.
- Fock, H., 1998. Die Eider – ökologische Folgen des Sperrwerkbaus. In: *Umweltatlas Wattenmeer. Band 1. Nordfriesisches und Dithmarscher Wattenmeer. Landesamt für den Nationalpark Schleswig-Holsteinisches Wattenmeer, Umweltbundesamt. Ulmer Verlag, Stuttgart*, pp. 142-143.
- Fock, H. and Heydemann, B., 1995. Vom Meer abgesperrte Flußsysteme - die Eider. In: Lützenkirchen, M. (Ed.). *Wasser zwischen Land und Meer - Flußmündungen unter Druck. WWF Tagungsbericht 10*, 263-277.
- Fock, H. and Ricklefs, K., 1996. Die Eider - Veränderungen seit dem Mittelalter. In: Lozán, J. and Kausch, H. (Eds.). *Warnsignale aus Flüssen und Ästuaren*, Parey, Berlin, pp. 39-43.
- Fonds, M., 1978. The seasonal distribution of some fish species in the western Dutch Wadden Sea. In: Dankers, N., Wolff, W.J. and Zijlstra, J.J. (Eds.), 1978. *Fishes and fisheries of the Wadden Sea. Report 5 of the final report of the section 'Fishes and fisheries' of the Wadden Sea Working Group. Stichting Veth tot Steun aan Waddenonderzoek, Leiden*, pp. 42-77. Also published in: Wolff, W.J. (Ed.), 1983. *Ecology of the Wadden Sea, Vol. 2. Balkema, Rotterdam*, pp. 42-77.
- Forschungsstelle Küste, 1999. Überwachung der niedersächsischen Küstengewässer. Routineuntersuchungen 1997. *Berichte der Forschungsstelle Küste 1999-3*, 45-50.
- Frank, D., 1998. Wassersport im Niedersächsischen Wattenmeer – Entwicklung, aktuelle Situation, Trends. *Schriftenreihe Nationalpark Niedersächsisches Wattenmeer (in press)*.
- Franke, S., Hildebrandt, S., Schwarzbauer, J., Link, M. and Francke, W., 1995. Organic compounds as contaminants of the Elbe river and its tributaries part II, GC-MS screening for contaminants of the Elbe water. *Fresenius J. Anal. Chem.*, 353, 39-49.
- Franke, S., Hildebrandt, S., Francke, W., Bester, K., Hühnerfuss, H. and Gatermann, R., 1998. Chlorinated Bis(propyl)ethers and chlorinated Bis(ethyl)formals in the German Bight of the North Sea. *Mar. Poll. Bull.*, 36, 546-551.
- Franz, H.G., 1983a. List of the zooplankton species of the Wadden Sea In: Dankers, N., Kühl, H. and Wolff, W.J. (Eds.). *Invertebrates of the Wadden Sea. Balkema, Rotterdam*, pp. 12- 23.
- Franz, H.G., 1983b. Quantitative data on the plankton of the Wadden Sea proper. In: Dankers, N., Kühl, H. and Wolff, W.J. (Eds.). *Invertebrates of the Wadden Sea. Balkema, Rotterdam*, pp. 125- 133.
- Franz, H.G. and Gieskes, W.W.C., 1984. The unbalance of phytoplankton and copepods in the North Sea. *Rapp. P. v. Reun. Cons. Int. Explor. Mer* 183, 218-225.
- Franz, H.G., Gonzalez, S.R., Cadée, G.C. and Hansen, F.C., 1992. Long-term change of *Temora longicornis* (Copepoda, calanoida) abundance in a Dutch tidal inlet (Marsdiep) in relation to eutrophication. *Neth. J. Sea Res.* 30, 23 – 32.
- Freitag, T., 1997. Microbial processes within black spots. In: Henke, S. (Ed.). *Black spots in the Wadden Sea. Texte 3/97. Federal Environmental Agency, Berlin*, pp. 4-8.
- Führböter, A., 1989. Changes on the tidal water levels at the German North Sea coast. *Helgoländer Meeresunters.* 43, 325-332.
- Führböter, A., Kotzbauer, U., Manzenrieder, H. and Schulze, M., 1992. Festigkeit von Hellern: Hydromechanik und Hydraulik, Bericht Nr. 732. Leichtweiss-Institut für Wasserbau, Technische Universität Braunschweig.
- Ganter, B., 1994. Site tenacity and mobility of staging barnacle geese. *Ardea* 82, 231-240.
- Garms, R., 1961. Biozönotische Untersuchungen an Entwässerungsgräben in Flußmarschen des Elbe-Ästuars. *Arch. Hydrobiol./Suppl. Elbe-Ästuar* 26 (3/4), 344-462.

- Garthe, S., 1996. Distribution and abundance of North Sea seabirds and their feeding ecology in relation to fisheries and hydrography. Ph.D. thesis, University of Kiel.
- Gätje, C., 1992. Artenzusammensetzung, Biomasse und Primärproduktion des Mikrophytobenthos des Elbe-Ästuars. Ph.D. thesis, University of Hamburg, pp. 210.
- Gatermann, R., Hühnerfuss, H., Rimkus, G., Wolf, M. and Franke, S., 1995. The distribution of nitrobenzene and other nitroaromatic compounds in the North Sea. Mar. Poll. Bull., 30, 221-227.
- Gatermann, R., Bester, K., Franke, S. and Hühnerfuss, H., 1996. The distribution of O,O,O-Trimethylthiophosphate and O,O,S-Trimethyldithiophosphate in the North Sea. Chemosphere 32, 1907-1918.
- Gaumert, T., 1995. Maßnahmen zur Verbesserung des aquatischen Lebensraumes der Elbe. ARGE Elbe, Hamburg, pp. 103.
- Gaumert, T. and Kämmerer, M., 1993. Süßwasserfische in Niedersachsen. Niedersächsisches Landesamt für Ökologie Hildesheim.
- Gaumert, T. and Spieker, J., 1995. Makrozoobenthon der Elbe. ARGE Elbe, Hamburg, pp. 49.
- George, M.R., 1996. Occurrence of meroplanktonic larvae, copepod nauplii and other mesozooplankton during winter months in the German Wadden Sea. ICES Report CM/L:14.
- GESAMP, 1987. Land/sea boundary flux of contaminants: contributions from rivers. Report of the studygroup GESAMP (Joint group of experts on the scientific aspects of marine pollution).
- Gieskes, W.W.C., 1973. De massale planktonsterfte op de kust bij Callantsoog juli 1972. Waddenbulletin 8(1), 36-37.
- Gilbertson, M., Elliot, J.E. and Peakall, D.B., 1987. Seabirds as indicators of marine pollution. In: Diamond, A.W. and Filion, F.L., (Eds.). The value of birds. ICBP Technical Publication 6, 231-248.
- Gosselck, F. and Prena, J., 1996. Zusammenstellung und problemorientierte Auswertung der bis 1994 im Sublitoral der Außenweser durchgeführten Benthosuntersuchungen. Studie im Auftrag des Hansestadt Bremischen Amtes Bremerhaven, Brodersdorf bei Rostock, pp. 61 (unpublished).
- Grabemann, I., Krause, G. and Siedler, G., 1983. Langzeitige Änderungen des Salzgehaltes der Unterweser. Dt. Hydrogr. Z. 36, 61-77.
- Grabemann, I., Kappenberg, J. and Krause, G., 1996. Comparison of the dynamics of the turbidity maxima in two coastal plain estuaries. Arch. Hydrobiol. Spec. Issues Advanc. Limnol. 47, 195-205.
- Greve, W., 1994. The 1989 German Bight invasion of *Muggiaea atlantica*. ICES J.mar. Sci. 51, 355-358.
- Grootjans, A. P., Hartog, P. S., Fresco, L. F. M. and Esselink, H., 1991. Succession and fluctuation in a wet dune slack in relation to hydrological changes. J. Veg. Sci., 2, 545-554.
- Grünwälder, K.W., 1979. Erholung auf dem Wasser – Die gegenwärtige Situation des Sportbootverkehrs im Küstenraum zwischen Ems und Weser. Schriftenreihe des Fremdenverkehrsverbandes Nordsee-Niedersachsen-Bremen e.V., Heft 47, pp. 47.
- Gussinklo, H.J., 1993. Bodemdaling in de Waddenzee door gaswinning. In: Lindeboom, H.J. (Ed.). Openbare discussiedag "Bodemdaling Waddenzee". NIOZ rapport 1993-14. NIOZ, Texel, pp. 21-26.
- Haeslopp, U., 1990. Beurteilung der zu erwartenden Auswirkungen einer Reduzierung der anthropogenen Weserversalzung auf die aquatische Biozönose der Unterweser. Ph.D. thesis, University of Bremen, pp. 220.
- Haeslopp, U. and Schuchardt, B., 1995. Plankton und Makrozoobenthon der gezeitenbeeinflussten Unterweser. In: Gerken, B. and Schirmer, M. (Eds.). Die Weser. G. Fischer-Verlag, Stuttgart, pp. 159-174.
- Hagge, A., 1994. Ökologische Rolle der Brackwasserseen, Speicherbecken und Ersatzwatten. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 205-211.
- Hagmeier, A., 1941. Die intensive Nutzung des nordfriesischen Wattenmeeres durch Austern- und Muschelkultur. Z. Fisch. 39, 105-165.
- Hagmeier, A. and Kändler, R., 1927. Neue Untersuchungen im nordfriesischen Wattenmeer und auf den fiskalischen Austernbänken. Wiss. Meeresunters. (Abt. Helgoland) 16, 1-90.
- Hälterlein, B., 1996. Brutvogel-Bestände im Schleswig-Holsteinischen Wattenmeer. Abschlußbericht Ökosystemforschung Schleswig-Holsteinisches Wattenmeer, Teilprojekt A 2.7.
- Ham, N.F. van der, Platteeuw, M. and Camphuysen, C.J., 1992. Tuimelaar, *Tursiops truncatus*, bij Camperduin. Sula 6, 106-108.
- Hammond, P.S., Benke, H., Berggren, P., Borchers, D.L., Buckland, S.T., Collet, A., Heide-Jørgensen, M.P., Heimlich-Boran, S., Hiby, A.R., Leopold, M.F. and Øien, N., 1995. Distribution and abundance of the harbour porpoise and other small cetaceans in the North Sea and adjacent waters. Life 92-2/UK/027, final report, Sea Mammal Research Unit, National Environment Research Council, Cambridge.

- Hammond, P.S., Benke, H., Berggren, P., Collet, A., Heide-Jørgensen, M.P., Heimlich-Boran, S., Leopold, M.F. and Øien, N., 1996. How many porpoises are there in the North Sea - and how many is enough?. Brochure Life 92-2/UK/027, Sea Mammal Research Unit, National Environment Research Council, Cambridge.
- Hansen, F.C., Reckermann, M., Klein Breteler, W.C.M. and Riegman, R., 1993. *Phaeocystis* blooming enhanced by copepod predation on protozoa: Evidence from incubation experiments. Mar. Ecol. Prog. Ser. 102, 51-57.
- Hanslik, M. and Rahmel, J., 1995. Der Jahresgang blütenbildender und toxischer Algen an der niedersächsischen Küste seit 1982. Dt. hydrograph. Z. Suppl. 5, 221-235.
- Hanslik, M., Rahmel, J., Bätje, M., Knieriemen, S., Schneider, G. and Dick, S., 1994. Der Jahresgang blütenbildender und toxischer Algen an der niedersächsischen Küste seit 1982. NLO, FSK.
- Harten, H., 1979. Ausbaumaßnahmen in Tideästuarien der deutschen Nordseeküste und die Auswirkungen auf das Tidegeschehen. Die Küste 34, 150-158.
- Hartog, C. den, 1964. Typologie des Brackwassers. Helgoländer Wissenschaft. Meeresunters. 10, 377-390.
- Hartog, C. den, 1967. Brackish water as an environment for algae. Blumea XV, 31-43.
- Hartog, C. den and Polderman, P.J.G., 1975. Changes in the seagrass populations of the Dutch Wadden Sea. Aquat. Bot. 1, 141-147.
- Haß, P., 1992. Tourism and protection of dunes on the islands Sylt and Amrum. In: Hilgerloh, G., (Ed). Proceedings of the Third Trilateral Working Conference on Dune Management in the Wadden Sea Area. National Park Administration, Wilhelmshaven, pp. 62-70.
- Heckmann, C.W., 1984. Effects of dike construction on the wetland ecosystem along the freshwater section of the Elbe estuary. Arch. Hydrobiol./Suppl. 61(4), 397-508.
- Heckmann, C.W. and Kausch, H., 1996. Veränderungen und Gefährdungen der Flußmarschen. In: J. Lozán and Kausch, H. (Eds.). Warnsignale aus Flüssen und Ästuaren. Parey Buchverlag Berlin, pp. 280-285.
- Heessen, H.J.L., 1996. Time-series data for a selection of forty fish species caught during the International Bottom Trawl Survey. ICES J. mar. Sci. 53(6), 1079-1084.
- Heide-Jørgensen, M.-P., Teilmann, J., Benke, H. and Wulf, J., 1993. Abundance and distribution of harbour porpoises (*Phocoena phocoena*) in selected areas of the western Baltic and the North Sea. Helgoländer Meeresunters. 47, 335-346.
- Heinis, F., Akkerman, I., Essink, K., Colijn, F. and Latuhihin, M.J., 1995. Biologische monitoring zoute rijkswateren. Rapport RIKZ-95.059.
- Helder, W. and Vries, R.T.P de, 1983. Estuarine nitrite maxima and nitrifying bacteria (Ems-Dollart estuary). Neth. J. Sea Res. 17(1), 1-18.
- Herlyn, M. and Michaelis, H., 1993. Bestandsaufnahme und Populationsbiologie von *Mytilus edulis* L.: Methoden der quantitativen Erfassung von Miesmuschel-vorkommen. Niedersächs. Landesamt f. Ökologie Forschungsstelle Küste, Norderney, pp. 32.
- Herlyn, M. and Michaelis, H., 1996. Untersuchungen zur Entwicklung von Miesmuschelbänken der niedersächsischen Watten, unter Berücksichtigung der Miesmuschelfischerei. Forschungsstelle Küste, Norderney, Forschungsbericht 108-02-085/21, pp. 91.
- Herlyn, M. and Millat, G., 1997. Erfassung und Dokumentation des Miesmuschelbestandes der niedersächsischen Watten. Unveröffentl. Zwischenbericht Nationalparkverwaltung, Wilhelmshaven, pp. 22.
- Herlyn, M., Millat, G. and Michaelis, H., 1999. Einfluß der Besatzmuschelentnahme auf die Entwicklung eulitoralischer Neuansiedlungen von *Mytilus edulis* im niedersächsischen Bereich des Wattenmeeres. Ber. Forschungsstelle Küste, Norderney, Bd. 42 (in press).
- Hesse, K.-J., Gerdes, D. and Schaumann, K., 1989. A winter study of plankton distribution across a coastal salinity front in the German Bight. Meeresforsch. 32, 177-191.
- Hesse, K.-J., Hentschke, U. and Brockmann, U., 1992. A synoptic study of nutrient and phytoplankton characteristics in the German Wadden Sea with respect to coastal eutrophication. In: Colombo, G. (Ed.). Marine eutrophication and population dynamics, 25th European Marine Biology Symposium 1990, Olsen & Olsen, Fredensborg, Denmark, 45-53.
- Hesse, K.-J., Tillmann, U. and Brockmann, U., 1995. Nutrient-phytoplankton relations in the German Wadden Sea. ICES Report C.M. 1995T, 8.
- Hesse, K.-J., Dick, S., Hickel, W., Schaumann, K. and Brockmann, U., 1996. TRANSWATT- Transport, Transfer und Transformation von Biomasse-Elementen in Wattgewässern. 2. Zwischenbericht, pp. 208.
- Hickel, W., 1997. Eutrophication of the German Bight during the past three decades. In: Henke, S. (Ed.). Black spots in the Wadden Sea. Texte 3/97. Federal Environmental Agency, Berlin, pp. 30-33.
- Hickel, W., Eickhoff, M. and H. Spindler, 1995. Langzeit-Untersuchungen von Nährstoffen und Phytoplankton in der Deutschen Bucht. Dt. hydrogr. Z. Suppl. 5, 197-211.
- Hickel, W., Eickhoff, M., Spindler, H., Berg, J., Raabe, T. and Müller, R., 1996. Evaluation of long-term measurements of nutrients and phytoplankton in the German Bight. Final Report, Federal Environmental Agency, Berlin.
- Higler, B., Dankers, N., Smaal, A. and Jonge, V.N. de, 1998. Evaluatie van de ecologische effecten van het reguleren van schelpdiervisserij in Waddenzee en Delta op bodemorganismen en vogels. Appendix 5, pp. 17, In: Dijk, J.J. van and Heling, R. (Eds.). Structuurnota Zee- en Kustvisserij, Evaluatie van de maatregelen in de kustvisserij gedurende de eerste fase (1993-1997).

- Hilgerloh, G., Herlyn M. and Michaelis, H., 1997. The influence of predation by herring gulls *Larus argentatus* and oystercatchers *Haematopus ostralegus* on a newly established mussel *Mytilus edulis* bed in autumn and winter. *Helgoländer Meeresunters.* 51, 173-189.
- Hoek, C. van den, Admiraal, W., Colijn, F. and Jonge, V.N. de, 1979. The role of algae and seagrass in the ecosystem of the Wadden Sea: a review. In: Wolff, W.J. (Ed.). *Flora and vegetation of the wadden sea.* Balkema, Rotterdam: 9-118.
- Hofstede, J.L.A., 1991. Sea level rise in the inner German Bight (Germany) since AD 600 and its implications upon tidal flats geomorphology. In: Brückner, H. and Radtke, U. (Eds.). *From the North Sea to the Indian Ocean.* Franz Steiner Verlag, Stuttgart, pp. 11-27.
- Hofstede, J.L.A., 1994. Meeresspiegelanstieg und Auswirkungen im Bereich des Wattenmeeres. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). *Warnsignale aus dem Wattenmeer.* Blackwell, Berlin, pp. 17-23.
- Hofstede, J.L.A., 1997. Process-response analysis for the North Frisian supratidal sands (Germany). *J. Coastal Res.* 13, 1-7.
- Hofstede, J.L. and Schirmacher, R., 1996. Vorlandmanagement in Schleswig-Holstein. *Die Küste* 58, 61-73.
- Honkoop, P.J.C. and Meer, J. van der, 1998. Experimentally induced effects of water temperature and immersion time on reproductive output of bivalves in the Wadden Sea. *J. exp. mar. Biol. Ecol.* 220, 227-246.
- Höpner, T., 1994. Auswirkungen der Ästuarvertiefung in der Emsmündung. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). *Warnsignale aus dem Wattenmeer.* Blackwell, Berlin, pp. 171-175.
- Höpner, T., 1995. Ökologischer Zustand der Flußmündungen an Nord- und Ostsee - ein Überblick. In: Lützenkirchen, M. (Ed.). *Wasser zwischen Land und Meer - Flußmündungen unter Druck.* WWF Tagungsbericht 10, pp. 33-49.
- Höpner, T., 1997. Final Discussion. In: Henke, S. (Ed.). *Black spots in the Wadden Sea. Texte 3/97.* Federal Environmental Agency, Berlin, pp. 69-76.
- Höpner, T. and Michaelis, H., 1994. Sogenannte 'Schwarze Flecken' - ein Eutrophierungssymptom des Wattenmeeres. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). *Warnsignale aus dem Wattenmeer.* Blackwell, Berlin, pp. 153-159.
- Hoppema, J.M.J., 1991. The oxygen budget of the western Dutch Wadden Sea, The Netherlands. *Estuarine, Coastal and Shelf Science* 32, 483-502.
- Hötter, H., 1994. Wadden Sea birds and embankments - Can artificial wetlands compensate for losses due to land claims? *Ophelia Suppl.* 6, 279-295.
- Hötter, H. and Kölsch, G., 1993. Die Vogelwelt des Beltringharder Kooges. *Corax* 15, Sonderheft, 1-145.
- Houghton, J.J., Meiro Filho, L.G., Callander, B.A., Harris, N., Kattenberg, A. and Maskell, K. (Eds.), 1996. *Climate Change 1995: The Science of Climate Change. Contribution of Working Group I to the Second Assessment Report of the Intergovernmental Panel on Climate Change.*, Cambridge University Press, Cambridge, pp. 584.
- Hummel, H., Amiard-Triquet, C., Bachelet, G., Desprez, M., Marchand, J., Sylvand, B., Amiard, J.C., Rybarczyk, H., Bogaards, R.H., Sinke, J., Wit, Y. de and Wolf, L. de, 1996. Sensitivity to stress of the estuarine bivalve *Macoma balthica* from areas between The Netherlands and its southern limits (Gironde). *Neth. J. Sea Res.* 35(4), 315-321.
- Hurrell, J.W., 1995. Decadal trends in the North Atlantic Oscillation: regional temperatures and precipitation. *Science* 269, 676-679.
- IBL, 1994. UVS zur bedarfsweisen Anpassung des Emsfahrwassers von km 0,00 - km 40,45 für das 7,30 m tiefgehende Bemessungsschiff. Studie im Auftrag des Wasser- und Schifffahrtsamtes Emden, des Landkreises Emsland und der Stadt Papenburg, Oldenburg (unpublished).
- IBL, 1997. UVS zum Antrag auf Planfeststellung für die Errichtung eines Emssperrwerks zwischen Gandersum und Nendorp bei Strom-km 32,2. Studie im Auftrag der Bezirksregierung Weser-Ems - Projektteam "Bau eines Emssperrwerks", Oldenburg (unpublished).
- ICES, 1996. Report of the Working Group on *Crangon* fisheries and lifehistory. ICES Report, C.M. K:4, pp. 38.
- IHK, 1988. Statistisches Handbuch 1988. 10. Jahrgang. Industrie- und Handelskammer für Ostfriesland und Papenburg, Emden, pp. 168.
- IHK, 1997. Statistisches Handbuch 1997. Die wirtschaftliche Entwicklung. 19. Jahrgang. Industrie- und Handelskammer für Ostfriesland und Papenburg, Emden, pp. 169.
- IPCC, 1995. *Climate Change 1995, the science of climate changes.* Cambridge Univ. Press, Cambridge, pp. 572.
- IVM, 1998. Organotin pollution levels in sediments from the Dutch Wadden Sea. Institute for Environmental Studies, Free University of Amsterdam, commissioned by Greenpeace Netherlands.
- Jacobs, R.P.W.M., 1980. Effects of the 'Amoco Cadiz' oil spill on the seagrass community at Roscoff with special reference to the benthic infauna. *Mar. Ecol. Prog. Ser.* 2, 207-212.
- Jak, R.G. and Michelsen, B.F., 1996. Algenbegrazing: een nadere analyse van de invloed van toxicanten op het ontstaan van eutrofiëringsproblemen. BEON Rapport 96-4.
- Jak, R.G., Ceulemans, M., Scholten, M.C.Th. and Straalen, N.M. van, 1998. Effects of tributyltin on a coastal North Sea plankton community in enclosures. *Environ. Toxicol. Chem.* 17, 1840-847.
- Jepsen, P.U., 1993. Hunting in the Wadden Sea - The Development of Hunting for Subsistence to Hunting as a Sport Activity. *Wadden Sea Newsletter* 1993-1, 15-18.

- Joint Seal Project, 1995. Joint Research, Conservation and management project on harbour seals *Phoca vitulina* in the Wadden Sea, 1989 - 1994. Final Report on the Joint Management Plan for the Wadden Sea Population. Common Wadden Sea Secretariat, Wilhelmshaven, pp. 77 (internal report).
- Jones, L., 1998. Ecological functioning and integrity of marine ecosystems - *Sabellaria spinulosa* reefs. OSPAR Commission, IMPACT 98 6 6-E, Annex 5, pp. 6.
- Jong, D.J. de and Jonge, V.N. de, 1989. Zeegras *Zostera marina* L., *Zostera noltii* Hornem. Een ecologisch profiel en het voorkomen in Nederland. Report GWA0-89-1003. Rijkswaterstaat, Tidal Division. Den Haag, 1-34.
- Jong, D.J. de and Jonge, V. N. de, 1995. Dynamics and distribution of microphytobenthic chlorophyll-a in the Western Scheldt estuary (SW Netherlands). Hydrobiologia 311, 21-30.
- Jong, F. de, Bakker, J.F., Dahl, K., Dankers, N., Farke, H., Jäppelt, W., Kossmagk-Stephan, K. and Madsen, P.B., 1993. Quality status report of the North Sea, Sub region 10, The Wadden Sea. Common Wadden Sea Secretariat, Wilhelmshaven, pp. 107.
- Jong, P.W. de, 1996. Monitoring Watersport op de Waddenzee 1995. Opzet en resultaten. Provincie Friesland.
- Jonge, V.N. de, 1990. Response of the Dutch Wadden Sea ecosystem to phosphorus discharges from the river Rhine. Hydrobiologia 195, 49-62.
- Jonge, V. N. de, 1992. Physical processes and dynamics of microphytobenthos in the Ems estuary (The Netherlands). Ph.D. thesis, University of Groningen, pp. 176.
- Jonge, V.N. de and Essink, K., 1991. Long-term changes in nutrient loads and primary and secondary producers in the Dutch Wadden Sea. In: Elliott, M. and Ducrotoy, J.-P. (Eds.). Estuaries and coasts: spatial and temporal intercomparisons. ECSA 19 Symposium, Caen, France. Olsen & Olsen, Fredensborg, pp. 307-316.
- Jonge, V.N. de and Jong, D.J. de, 1992. Role of tide, light and fisheries in the decline of *Zostera marina* L. in the Dutch wadden sea. NIOZ Pub. Ser. 20, 161-176.
- Jonge, V.N. de and Postma, H., 1974. Phosphorus compounds in the Dutch Wadden Sea. Neth. J. Sea Res. 8, 139-153.
- Jonge, V.N. de, Essink, K. and Boddeke, R., 1993. The Dutch Wadden Sea: a changed ecosystem. Hydrobiologia 265, 45-71.
- Jonge, V.N. de, Bakker, J.F. and Stralen, M. van, 1995. Recente ontwikkelingen met betrekking tot de eutrofiëringsproblematiek in de westelijke Waddenzee. Rapport RIKZ-95.010, (in English).
- Jonge, V.N. de, Bergs, J. van den and Jong, D. J. de, 1997. Zeegras in de Waddenzee, een toekomstperspectief. Rapport RIKZ 97.016.
- Kamermans, P., Hemminga, M. and Jong, D.J. de, 1999. Significance of salinity and silicon levels for growth of a formerly estuarine eelgrass (*Zostera marina*) population (Lake Grevelingen, The Netherlands). Mar. Biol. 133, 527-539.
- Kamps, L.F., 1962. Mud distribution and land reclamation in the eastern wadden shallows. Rijkswaterstaat comm. 4, Den Haag, pp. 73.
- Kastler, T. and Michaelis, H., 1997. Der Rückgang der Seegrassbestände im Niedersächsischen Wattenmeer. Ber. Forsch.-Stelle Küste Norderney 41, 119-139.
- Kattenberg, A., Giorgi, F., Grassl, H., Meehl, G.A., Mitchell, J.F.B., Stouffer, R.J., Tokioka, T., Weaver, A.J. and Wigley, T.M.L., 1996. Climate Models - projections of future climate. In: Houghton, J.J., Meiro Filho, L.G., Callander, B.A., Harris, N., Kattenberg, A. and Maskell, K., (Eds.). Climate Change 1995, the science of climatic changes. Cambridge Univ. Press, Cambridge, pp. 258-357.
- Kausch, H., 1996. Die Elbe - ein immer wieder veränderter Fluß. In: Lozán, J. and Kausch, H. (Eds.). Warnsignale aus Flüssen und Ästuaren. Parey, Berlin, pp. 43-52.
- Kausch, H. and Peitsch, A., 1992. Das Zooplankton und seine Verteilung im Elbe-Ästuar. In: Kausch, H. (Ed.). Die Unterelbe - Natürlicher Zustand und Veränderung durch den Menschen. Berichte aus dem Zentrum für Meeres- und Klimaforschung der Universität Hamburg 19, 137-168.
- Kausch, H., Breckling, P., Flügge, G., Gaumert, T., Kies, L., Nöthlich, M., Schirmer, M. and Weigel, H.-P., 1991. Tidegewässer. In: Hamm, A. (Ed.). Studie über Wirkungen und Qualitätsziele von Nährstoffen in Fließgewässern. Academia Verlag, St. Augustine, pp. 565-638.
- Kempf, N., Lamp, J. and Prokosch, P. (Eds.), 1987. Salzwiesen: Geformt von Küstenschutz, Landwirtschaft oder Natur? Tagesbericht 1 der Umweltstiftung WWF-Deutschland.
- Kempf, N., Fleet, D.M., Rösner, H.U. and Prokosch, P., 1989. Brut- und Rastvogelzählungen im Schleswig-Holsteinischen Wattenmeer 1987/88. Nationalparkamt Tönning.
- Kerstan, M., 1991. The importance of rivers as nursery grounds for 0- and 1-group flounder (*Plathichthys flesus* L.) in comparison to the Wadden Sea. Neth. J. Sea Res. 27 (3/4), 353-366.
- Kiehl, K. and Stock, M., 1994. Natur- oder Kulturlandschaft? Wattenmeersalzwiesen zwischen den Ansprüchen von Naturschutz, Küstenschutz und Landwirtschaft. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 190-196.
- Kiehl, K., Eischeid, I., Gettner, S. and Walter, J., 1996. Impact of different sheep grazing intensities on saltmarsh vegetation in northern Germany. J. Veg. Sci. 7, 99-106.
- Kiehl, K., Esselink, P. and Bakker, J.P., 1997. Nutrient limitation and plant-species composition in temperate salt marshes. Oecologia 111, 325-330.

- Kies, L. and Neugebohrn, L., 1994. Primärproduktion von Algen und Makrophyten im Elbe-Ästuar. Bericht des Teilprojektes B2 im Tätigkeitsbericht 1992-1994 des SFB 327 "Wechselwirkungen zwischen abiotischen und biotischen Prozessen in der Tide-Elbe, Universität Hamburg, pp. 329-411.
- Kies, L., Neugebohrn, L., Braker, H., Fast, T., Gätje, C. and Seelig, A., 1992. Primärproduzenten und Primärproduktion im Elbe-Ästuar. In: Kausch, H. (Ed.). Die Unterelbe - Natürlicher Zustand und Veränderung durch den Menschen. Berichte aus dem Zentrum für Meeres- und Klimaforschung der Universität Hamburg 19, pp. 137-168.
- Kinze, C.C., 1990. The harbour porpoise (*Phocoena phocoena*) - Stock identification and migrating patterns in Danish and adjacent waters. Ph.D. thesis, University of Copenhagen, pp. 39.
- Kinze, C.C., 1995. Danish whale records 1575 - 1991 (Mammalia, cetacea). Review of whale species stranded, directly or incidentally caught along the Danish coasts. *Steenstrupia* 21, 155-196.
- Kleef, H.L., 1993. Tuimelaars *Tursiops truncatus* in de Dollard. *Lutra* 36, 94-96.
- Klug, H. and Klug, A., 1994. Tourismus als Belastungsfaktor an der Küste. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 66-74.
- Knauth, H.-D., Gandraß J. and Sturm, R., 1993. Vorkommen und Verhalten organischer und anorganischer Mikroverunreinigungen in der mittleren und unteren Elbe; Berichte 8/93, Umweltbundesamt, Erich Schmitt Verlag, Berlin.
- Knoke, V. and Stock, M., 1998. Menschliche Aktivitäten im Schleswig-Holsteinischen Wattenmeer und deren Auswirkungen auf Vögel. Texte 77/97. 2 Volumes, Umweltbundesamt Berlin, pp. 661.
- Kock, K.-H. and Benke, H., 1996. On the by-catch of harbour porpoise (*Phocoena phocoena*) in German fisheries in the Baltic and the North Sea. *Arch. Fish. Mar. Res.* 44, 95-114.
- Köhler, A., 1981. Fluktuationen der Fischfauna im Elbe-Ästuar als Indikator für ein gestörtes Ökosystem. *Helgoländer Meeresunters.* 34, 263-285.
- Kötter, F., 1961. Die Pflanzengesellschaften im Tidegebiet der Unterelbe. *Arch. Hydrobiol. Suppl.* 26, 106-185.
- Kolbe, K., 1995a. Zum Auftreten "schwarzer Flecken", oberflächlich anstehender reduzierter Sedimente im ostriesischen Wattenmeer. *Ber. Forschungsstelle Küste* 40, pp. 7-21.
- Kolbe, K., 1995b. Sedimente und Makrozoobenthos der Wesermündung. Dienstbericht Forschungsstelle Küste 22/1995. Niedersächsisches Landesamt für Ökologie Norderney, pp. 22.
- Kolbe, K., Kaminski, E., Michaelis, H., Obert, B. and Rahmel, J., 1995. Macroalgal mass development in the Wadden Sea: first experiences with a monitoring system. *Helgoländer Meeresunters.* 49, 519-528.
- Koopmann, C., Faller, J., Bernem, K.-H. van, Prange, A. and Müller, A., 1993. Schadstoffkartierung in Sedimenten des deutschen Wattenmeeres Juni 1989-Juni 1992. *GKSS* 88.156.
- Kremer, H. and Maywald, A., 1991. Der Schweinswal in Nord- und Ostsee. Umweltstiftung WWF-Deutschland, Frankfurt am Main, pp. 92.
- Kremer, H., Koch, L., Schneider, O., Adloff, B. and Fischer, W., 1990. Surprisingly high numbers of harbour porpoises *Phocoena phocoena* close to the Isle of Sylt. In: Evans, P.G.H., Aguilar, A. and Smeenk, C. (Eds.). European Research on Cetaceans 4. Proc. Fourth Ann. Conf. European Cetacean Soc., Palma de Mallorca, March 1990, pp. 62-63.
- Kremer, H., Koch, L., Adloff, B., Baschek B., Schneider, O. and Fischer, W., 1994. Results from a pilot study of harbour porpoises, *Phocoena phocoena* at the North Sea coast of Schleswig-Holstein, FRG. *Arch. Fish. Mar. Res.* 42, 35-45.
- Krieg, H.-J., 1996. Investigations on the occurrence and distribution of benthic fauna along a transect in the transition zone between fresh and brackish water on both sides of Lühesand at km 648,5 in the Lower Elbe. *Arch. Hydrobiol. Suppl.* 110 (2/3), 283-309.
- Kristensen, P.S., 1994. Blåmuslingebestanden i det danske Vadehav og Blåmuslingefiskeri (1991-1993). DFH-rapport nr 476. pp. 56
- Kristensen, P.S., 1995. Blåmuslingebestanden i det danske Vadehav august 1995. DFU-rapport 1-96, pp. 19.
- Kristensen, P.S., 1996a. Biomass, density and growth of *Spisula solida* in the Danish part of the North Saea, south of Horns Reef. ICES Report C.M. 1996/K, Shellfish committee, pp. 27.
- Kristensen, P.S., 1996b. Thirty years of blue mussel (*Mytilus edulis*) stock, and mussel beds in the Danish Wadden Sea. Memo Dan. Inst. Fish. Res., pp. 15.
- Kristensen, P.S., 1997. Blåmuslingebestanden i det danske Vadehav august 1996. DFU-rapport nr 36-97, pp. 27.
- Kristensen, P.S. and Wellendorph, V., 1995. Fishery of brown shrimps (*Crangon crangon*) in the Danish Wadden Sea (1963-1993). ICES Report, Shellfish Committee/ K:45, pp. 11.
- Kröncke, I., 1996. Impacts of biodeposition on macrofaunal communities in intertidal sandflats. In: Dworschak, P.C, Stachowittsch, M. and Ott, J.A. (Eds.). Influence of organisms on their environment. The role of episodic events. *Proc. 29th EMBS Vienna. P.S.Z.N.I, Marine Ecology* 17, 159-74.

- Kröncke, I., Zeiss, B. and Dahms, S., 1997. Macrofauna Langzeitreihe im Inselvorfeld von Norderney. Abschlußbericht Umwelbundesamt Nr. 98-021.
- Kröncke, I., Dippner, J.W., Heyen, H. and Zeiss, B., 1998. Long-term changes in macrofaunal communities off Norderney (East Frisia, Germany) in relation to climate variability. *Mar. Ecol. Prog. Ser.* 167, 25-36.
- Kühl, H. and Mann, H., 1981. Main characteristics of the environment and zooplankton of Eider, Elbe, Weser and Ems. In: Dankers, N., Kühl, H. and Wolff, W.J. (Eds.). *Invertebrates of the Wadden Sea. Marine Zoology* 4, pp. 143-145.
- Künitzer, A., Duineveld, G.C.A., Basford, D., Dewarumez, J.M., Dörjes, J., Eleftheriou, A., Heip, C., Herman, P.M.J., Kingston, P., Niermann, U., Rumohr, H. and P Wilde, A.W.J. de, 1992. The benthic infauna of the North Sea. Species distribution and assemblages. *ICES J. mar. Sci.* 49, 127-143.
- Laane, R.W.P.M. (Ed.), 1992. Background concentrations of natural compounds in rivers, sea water, atmosphere and mussels. Tidal Waters Division, Report DGW-92.033, October 1992.
- Lamb, P.J. and Pepler, R.A., 1987. North Atlantic Oscillation: concept and an application. *Bull. Am. Meteorol. Soc.* 68, 1218-1225.
- Laursen, K. and Frikke, J., 1987. Foreløbig undersøgelse af ederfugle i relation til fiskeri af blåmuslinger i Vadehavet. Rapport 11 Vildtbiologisk Station.
- Laursen, K. and Frikke, J., 1997. Optælling fra fly af rastende vandfugle og menneskelige aktiviteter 1991-95. Vadehavet. Danmarks Miljøundersøgelser, Arbejdsrapport fra DMU 32.
- Laursen, K., Frikke, J. and Salvig, J., 1997. Vandfugle i relation til menneskelig aktivitet i Vadehavet 1980-1995 med en vurdering af reservatbestemmelser. Danmarks Miljøundersøgelser. Faglig rapport fra DMU, nr 187, pp. 73.
- Leendertse, P.C., 1991. Kwelderontwikkeling in relatie tot de waterkwaliteit van de Waddenzee. Vakgroep Oecologie en Oecotoxicologie, Vrije Universiteit, Amsterdam, pp. 97.
- Leeuwen, P.I. van, Rijnsdorp, A.D. and Vingerhoed, B., 1994a. Variations in abundance and distribution of demersal fish species in the coastal zone of the Southeastern North Sea between 1980 and 1993. *ICES paper C.M.* 1994/G:10, Demersal Fish Committee, pp. 19.
- Leeuwen, A. van, Postma, T.A.C., Leopold, M.F. and Bergman, M.J.N., 1994b. De ecologie van de kustzone van Ameland tot Borkum. NIOZ Rapport 1994-4.
- Leopold, M.F., 1993. *Spisula's*, zeeëenden en kokkelvissers: een nieuw milieuprobleem op de Noordzee. *Sula* 7, 24-28.
- Leopold, M.F., 1994. Walvisachtigen in de zuidelijke Noordzee: twee survey methoden vergeleken. *Sula* 8, 207-225.
- Leopold, M.F., 1996a. Record aantallen Bruinvissen *Phocoena phocoena* en Roodkeelduikers *Gavia stellata*. *Sula* 10, 105-107.
- Leopold, M.F., 1996b. Zeehonden ,on the rocks'. *Sula* 10, 100-101.
- Leopold, M.F. and Platteeuw, M., 1987. Talrijk voorkomen van Jan van Genten *Sula bassana* bij Texel in de herfst: reactie op lokale voedselsituatie. *Limosa* 60, 105-110.
- Leopold, M.F. and Dankers, N.M.J.A., 1997. Natuur in de zoute wateren. IKC Natuurbeheer, Wageningen. Achtergrondrapport 2-C Natuurverkenningen 1997.
- Leopold, M.F., Maas, F.-J. and Hin, H., 1986. Elfsteden winter 1986: slachting onder de wadvogels met name de Toppereend. *Skor* 5, 70-78, 5(4), 90-96.
- Leopold, M.F., Baptist, H.J.M., Wolf, P.A. and Offringa, H., 1995. De Zwarte Zeeëend *Melanitta nigra* in Nederland. *Limosa* 68, 49-64.
- Leopold, M.F., Werf, B. van der, Ries, E.H. and Reijnders, P.J.H., 1997. The importance of the North Sea for winter dispersal of harbour seals *Phoca vitulina* from the Wadden Sea. *Biol. Conserv.* 81 (1-2), pp. 97-102.
- Leuchs, H., Nehring, S. and Fock, H., 1999. Das Makrozoobenthos des Nord-Ostsee-Kanals, Bestandsaufnahme in 1996. Bundesanstalt für Gewässerkunde, Koblenz. Bericht BfG - 1121 (in press).
- Leuchs, H., Nehring, S., Hagedorff, R., Kröncke, I. and Stecher, J., 1996. Dauerklappstelle Brunsbüttel - Auswirkungen auf das Makrozoobenthos. *Mitteilungen der Bundesanstalt für Gewässerkunde, Koblenz* 11, 53-59.
- Liebezeit, G., 1997. Seasonal variation in nutrient concentrations in the channel Otzumer Balje, Spiekeroog Island. In: Henke, S. (Ed.). *Black spots in the Wadden Sea. Texte 3/97.* Federal Environmental Agency, Berlin, pp. 41-43.
- Lindley, J.A., Roskell, J., Warner, A.J., Halliday, N.C., Hunt, H.G.J. and Jonas, T.D., 1990. Doliolids in the German Bight in 1989: Evidence for exceptional inflow into the North Sea. *J. Mar. Biol. Ass. U.K.* 70, 679-682.
- Linke, O., 1937. Der Verfall der Wangerooger Austernbänke. *Abh. Nat. Ver. Bremen* 30, 238-241.
- Linke, O., 1951. Neue Beobachtungen über Sandkorallen-Riffe in der Nordsee. *Natur und Volk*, 81, 77-84.
- Linke, O., 1954. Die Bedeutung der Miesmuscheln für die Landgewinnung im Wattenmeer. *Natur und Volk* 84, 253-261.

- Lloyd, C., Tasker, M.L. and Patridge, K., 1991. The status of seabirds in Britain and Ireland. T. and A.D. Poyser. London, U.K., pp. 322.
- LNV, 1992. Vissen naar evenwicht. Structuurnota Zee- en kustvisserij. Beleidsvoornemen. Ministerie van Landbouw, Natuurbeheer en Visserij, Directie Visserijen, Den Haag, pp. 97.
- Louters, T. and Gerritsen, F., 1994. The Riddle of the Sands. A Tidal System's answer to a rising sea level. Report RIKZ-94.040. RIKZ, Den Haag, pp. 69.
- Lozán, J.L., 1994. Über die ökologische und wirtschaftliche Bedeutung der Nordseegarnele im Wattenmeer mit Bemerkungen über andere Krebsarten. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 117-122.
- Lozán, J.L., Breckling, P., Fonds, M., Krog, C., Veer, H.W. van de and Witte, J.I.J., 1994. Über die Bedeutung des Wattenmeeres für die Fischfauna und deren regionale Veränderung. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 226-234.
- Madsen, J., 1994. Impacts of disturbance on migratory waterfowl. Ibis 137, 867-874.
- Madsen, J. and Fox, A.D., 1995. Impacts of hunting disturbance on waterbirds - a review. Wildl. Biol. 1, 193-207.
- Manuels, M.W. and Postma, H., 1974. Measurement of ATP and organic carbon in suspended matter of the Dutch Wadden Sea. Neth. J. Sea Res. 8(2-3), 292-311.
- Manzenrieder, H. and Schulze, M., 1997. Erosion stability of dike foreshores. Wadden Sea Newsletter 1997-1, 25-29.
- Marencic, H., Bakker, J.F., Farke, H., Gätje, C., Jong, F. de, Kellerman, A., Laursen, K., Pedersen, T.F. and Vlas, J. de, 1996. The Trilateral Monitoring and Assessment Program (TMAP). Expert Workshops 1995/1996. Wadden Sea Ecosystem No. 6, Common Wadden Sea Secretariat, Wilhelmshaven, pp. 205.
- Marlen, B. van, Redant, F., Polet, H., Radcliffe, C., Revill, A., Kristensen, P.S., Hansen, K.E., Kuhlmann, H.J., Riemann, S., Neudecker, T. and Brabant, J.C., 1998. Research into Crangon Fisheries Unerring Effect (RESCUE). EU Study 94/044. Report C054/97, pp. 151.
- Marquenie, J.M. and Gussinklo, H.J., 1998. Integrale Bodemdalingstudie Waddenzee. Samenvatting. NAM, Assen.
- Martens, P., 1992. Inorganic phytoplankton nutrients in the Wadden Sea areas off Schleswig-Holstein. II. Dissolved ortho-phosphate and reactive silicate with comments on the zooplankton. Helgoländer Meeresunters. 46, 103-115.
- Martin, J. M. and Brun-Cottan, J. C., 1988. Estuaries. In: Salomons, W., Bayne, B.L., Duursma, E.K., Förstner, U. (Eds.). Pollution of the North Sea. Springer-Verlag, Berlin, pp. 88-99.
- Meier, D., 1996. Besiedlungsgeschichte in den Flußmündungsgebieten am Beispiel der Eider und Elbe. In: Lozán, J. and Kausch, H. (Eds.). Warnsignale aus Flüssen und Ästuaren. Parey, Berlin, pp. 19-23.
- Meininger, P.L. and Bekhuis, J.F., 1990. De Zwartkopmeeuw *Larus melanocephalus* als broedvogel in Nederland en Europa. Limosa 63, 121-134.
- Meire, P.M., 1996. Distribution of Oystercatchers *Haematopus ostralegus* over a tidal flat in relation to their main prey species, cockles *Cerastoderma edule* and mussels *Mytilus edulis*: did it change after a substantial habitat loss? Ardea 84A, 525-538.
- MELFF/MNU, 1995. Vorlandmanagement in Schleswig-Holstein. Endbericht. MELFF, Kiel.
- Melter, J., Südbeck, P., Fleet, D.M., Rasmussen, L.M. and Vogel, R.L., 1997. Changes in Breeding Bird Numbers on Census Areas in the Wadden Sea 1990 until 1994. Wadden Sea Ecosystem No. 4, Common Wadden Sea Secretariat, Wilhelmshaven, pp. 7-93.
- Meltofte, H., Blew, J., Frikke, J., Rösner, H.-U. and Smit, C.J., 1994. Numbers and distribution of waterbirds in the Wadden Sea. Results and evaluation of 36 simultaneous counts in the Dutch-German-Danish Wadden Sea 1980-1991. IWRB Publ. 34 / Wader Study Group Bull. 74, Special Issue. Common Wadden Sea Secretariat, Wilhelmshaven, pp. 192.
- Meyer, H. and Reinke, H.-D., 1996. Veränderungen in der biozönotischen Struktur der Wirbellosenfauna von Salzwiesen durch unterschiedliche Beweidungsintensität mit Schafen. Faun.-Ökol. Mittlg. 7, 109-151.
- Meyer, H., Fock, H., Haase, A., Reinke, H.D. and Tulowitzki, I., 1995. Structure of the invertebrate fauna in salt marshes of the Wadden Sea coast of Schleswig-Holstein influenced by sheep-grazing. Helgoländer Meeresunters. 49, 563-589.
- Meyer, K.O., 1994. Küstenfunde - Wale und Delphine aus der Deutschen Bucht. Drosera 1, 1-6.
- Michaelis, H., 1977. Untersuchungen über das Sterben wirbelloser Wattentiere seit dem Sommer 1976. Unpublished Report Forschungsstelle f. Insel- und Küstenschutz, Norderney.
- Michealis, H., 1987. Bestandsaufnahme des eulitoralen Benthos im Jadebusen in Verbindung mit einer Luftbild-Analyse. Jber. Forsch.-Stelle Küste Norderney 38, 13-97.
- Michaelis, H., 1997. History and distribution of black spots in the east Frisian Wadden Sea. In: Henke, S. (Ed.). Black spots in the Wadden Sea. Texte 3/97. Federal Environmental Agency, Berlin, pp. 13-17.
- Michaelis, H. and Reise, K., 1994. Langfristige Veränderungen des Zoobenthos im Wattenmeer. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 106-117.

- Michaelis, H., Ohba, T. and Tüxen, R., 1971. Die *Zostera* Gesellschaften der niedersächsischen Watten. Jber. Forschungsstelle f. Insel- und Küstenschutz, Norderney 21, 87-100.
- Michaelis, H., Fock, H., Grotjahn, M. and Post, D., 1992. The status of the intertidal zoobenthic brackish-water species in estuaries of the German Bight. Neth. J. Sea Res. 30, 201-207.
- Michaelis, H., Obert, B., Schultenkötter, I. and Böcker, L., 1995. Die Miesmuschelbestände der Niedersächsischen Watten (1989-1991). Ber. Forschungsstelle Küste Norderney 40, 55-71.
- Millat, G., 1996. Entwicklung eines methodisch-inhaltlichen Konzeptes zum Einsatz von Fernerkundungsdaten für ein Umweltmonitoring im niedersächsischen Wattenmeer. Schriftenreihe der Nationalparkverwaltung Niedersächsisches Wattenmeer, Wilhelmshaven, Band 1, pp. 125.
- Ministerie van Verkeer en Waterstaat, 1988. Beehrsplan Burgerluchtvaart, Annex 1.
- Ministerie van Verkeer en Waterstaat, 1996a. Kustbalans 1995 – de tweede kustnota. Ministerie van Verkeer en Waterstaat, Den Haag, pp. 47.
- Ministerie van Verkeer en Waterstaat, 1996b. Beheersplan Waddenzee 1996-2001. Sectornotities Natuur- en Kustbeheer, Milieubeheer, Verkeer en Vervoer, Civiele Werken, Recreatie, Visserij, Militaire Activiteiten. Sociaal Economische Aspecten. Vervangende mogelijkheden voor zandwinning. Rijkswaterstaat, Directie Noord-Nederland, Leeuwarden, pp. 273.
- Ministerie van Verkeer en Waterstaat, 1996c. Gevoel voor zout, werken aan de grens tussen zoete en zoute watersystemen. Brochure Integraal Waterbeheer nr. 8. Ministerie van Verkeer en Waterstaat.
- Ministerie van Verkeer en Waterstaat, Rijkswaterstaat Noord-Nederland 1996c. Beheersplan Waddenzee 1996-2001. Deel 1 – 2, Rijkswaterstaat, Directie Noord-Nederland, Leeuwarden.
- Ministeries van Economische Zaken, Landbouw, Natuurbeheer en Visserij, Volkshuisvesting, Ruimtelijke Ordening en Milieubeheer en Verkeer en Waterstaat, 1997. Proefboringen in de Noordzeekustzone en de Waddenzee. Nadere onderbouwing voor besluitvorming. pp. 50.
- Ministry of Economic Affairs, 1997. Oil and gas in The Netherlands, exploration and production 1996.
- MinVenW, 1998. Vierde Nota Waterhuishouding. Regeringsbeslissing. (Fourth Note on Water Management. Governmental decision). Ministerie van Verkeer en Waterstaat, December 1998. ANDO bv, The Hague.
- Misdorp, R., Staeyert, F., Hallie, F. and Ronde, J. de, 1990. Climate change, sea level rise and morphological developments in the Dutch Wadden Sea, a marine wetland. J. J. Beukema, J.J. Wolff, W.J. and Brouns, J.J.W.M. (Eds.). Expected effects of climatic change on marine coastal ecosystems. Kluwer Acad. Publ., Netherlands, pp. 123-131.
- Möbius, K., 1877. Die Auster und die Austerwirtschaft. Wiegandt, Hempel Parey, Berlin, 1-126.
- Möller, H., 1989. Changes in fish stocks and fisheries: the Lower Elbe River. In: Petts, G. E., Roux, A. L. and Möller, H. (Eds.). Historical Change of Large Alluvial Rivers: Western Europe. J. Wiley & Sons, Chichester, 203-220.
- Moloney, C.L., Botsford, L.W. and Largier, J.L., 1994. Development, survival and timing of metamorphosis of planktonic larvae in a variable environment: the Dungeness crab as an example. Mar. Ecol. Prog. Ser. 113, 61-79.
- Montagna, P. A., 1995. Rates of metazoan meiofaunal microbivory: a review. Vie Milieu 45 (1), 1-9.
- Monval, J.-Y. and Pirot, J.-Y. (Eds.), 1989. Results of the IWRB International Waterfowl Census 1997 - 1986. IWRB special Publ. 8, Slimbridge.
- Mühlenhardt-Siegel, U., Dörjes, J. and Cosel, R. von, 1983. Die amerikanische Schwertmuschel *Ensis directus* (Conrad) in der Deutschen Bucht. II. Populationsdynamik. Senckenbergiana marit. 15, 93-110.
- Müller, A., Grodd, M. and Weigel, P., 1990. Lower Weser monitoring and modelling. In: Michaelis, W. (Ed.). Estuarine water quality management. Coastal and estuarine studies 36, Springer-Verlag, New York, pp. 285-294.
- Munksgaard, C., 1989. Undersøgelse af blåmuslingebestanden i det danske vadehav. Miljøministeriet, Skov og Naturstyrelsen.
- Nachtigall, K. H., 1991. Hydrogeologisches Gutachten des Geologischen Landesamtes Schleswig-Holstein zur Süßwassergewinnung für die Mineralwasserherstellung in Rantum/Sylt. Unpublished Report, pp. 12.
- Nanninga, H.J., 1997. Invloed van stikstof en fosfor op de visstand in de Noordzee. Rijksuniversiteit Groningen, Vakgroep Mariene Biologie.
- Nasner, H., 1992. Sedimentation in Tidehäfen. Die Küste 53, 127-169.
- Nehls, G., 1994. Untersuchungen zu Bestand und Verbreitung von Eiderente, Trauerente und Brantente im Nationalpark Schleswig-Holsteinisches Wattenmeer. Bericht an das Landesamt für den Nationalpark Schleswig-Holsteinisches Wattenmeer.
- Nehls, G. and Thiel, M., 1993. Large scale distribution patterns of the mussel *Mytilus edulis* in the Wadden Sea of Schleswig Holstein: do storms structure the ecosystem? Neth. J. Sea Res. 31, 181-187.

- Nehls, G., Herzler, I. and Scheiffarth, G., 1997. Stable mussel *Mytilus edulis* beds in the Wadden Sea - They're just for the birds. Helgoländer Meeresunters. 51, 361-372.
- Nehring, S., 1998. 'Natural' processes in the Wadden Sea - challenging the concept of 'an intact ecosystem'. Ocean Challenge 8 (1), 27-29.
- Nehring, S. and Leuchs, H., 1996. BfG-Ästuarmonitoring in Ems, Jade, Weser, Elbe - Makrozoobenthos 1995. Bericht BfG - 1040. Bundesanstalt für Gewässerkunde, Koblenz.
- Nehring, S. and Leuchs, H., 1998. Das BfG-Ästuarmonitoring in Ems, Jade, Weser, Elbe - Makrozoobenthos-Pilotstudie. In: Deutsche Gesellschaft für Limnologie (Ed.). Tagungsbericht 1997 Frankfurt/M. Eigenverlag der DGL, Krefeld, pp. 976-980.
- Nehring, S. and Leuchs, H., 1999. Introduced macrozoobenthic species at the German North Sea coast. A review. Wadden Sea Newsletter 1999-1, 10-13.
- Nehring, S., Hesse, K.-J. and Tillmann, U., 1995. The German Wadden Sea: A problem area for nuisance blooms? In: Lassus, P. et al. (Eds.). Harmful marine algal blooms: Proceedings of the Sixth International Conference on Toxic Marine Phytoplankton, October 1993. Lavoisier, Intercept Ltd, Paris, New York, Andover, pp. 199-204.
- Nehring, S., Riedl-Lorjé, J. C. and Hesse, K.J., 1998. Welchen Einfluß haben Speicherkoogbecken auf die Planktonentwicklung im Wattenmeer? In: Umweltatlas Wattenmeer. Band 1. Nordfriesisches und Dithmarscher Wattenmeer. Landesamt für den Nationalpark Schleswig-Holsteinisches Wattenmeer, Umweltbundesamt. Ulmer Verlag, Stuttgart, pp. 82-83.
- Neudecker, T., 1990. The history of the former German oyster fishery and mariculture: 400 years of crown law on oysters (4.2.1587). Dt. hydrogr. Z., Erg.-H. Bd. 22, 518-525.
- Neudecker, T. and Damm, U., 1996. Abundance indices of brown shrimp (*Crangon crangon* L.) at the west coast of Schleswig-Holstein, North Sea. ICES C.M. K:8, Shellfish Committee, pp. 18.
- Niedersächsischer Landtag, 1996. Antwort auf eine Große Anfrage. 10 Jahre Nationalpark Niedersächsisches Wattenmeer. Niedersächsischer Landtag - 13. Wahlperiode. Drucksache 13/1943.
- Niehoff, B. and Fischer, U., 1996. Epibiosen anthropogener Hartsubstrate an ausgesuchten Standorten im niedersächsischen Teil des Wattenmeeres. Ein Vergleich mit früheren Erhebungen. Internal Report Forschungsstelle Küste, Norderney.
- Nienhuis, P. H., 1993. Nutrient cycling and foodwebs in Dutch estuaries. Hydrobiologia 265, 15-44.
- Nilsson, P., Jönsson, B., Lindström Swanberg, I. and Sundbäck, K., 1991. Response of a marine shallow-water sediment system to an increased load of inorganic nutrients. Mar. Ecol. Prog. Ser. 71, 275-290.
- Nordheim, H. von, Norden Anderson, O. and Thissen, J. (Eds.), 1996. Red List of Biotopes, Flora and Fauna of the Trilateral Wadden Sea Area, 1995. Helgoländer Meeresunters. 50, Suppl., also: Schriftenreihe für Landschaftspflege und Naturschutz Heft 47. Bundesamt für Naturschutz, Bonn-Bad Godesberg 1996, pp. 136.
- Nordseebäderverband Schleswig-Holstein e. V., 1998. Meer-Wert. Wirtschaftsfaktor Tourismus - Bestandsaufnahme und Perspektiven für die Westküste Schleswig-Holstein.
- Northridge, S., Tasker, M. and Webb, A., 1996. White-beaked *Lagenorhynchus albirostris* and Atlantic white-sided dolphin *L. acutus* distributions in northwest European and U.S. North Atlantic waters. IWC, SC/48/SM44, pp. 6.
- Obert, B. and Michaelis, H., 1991. History and ecology of the musselbeds (*Mytilus edulis* L.) in the catchment area of a Wadden Sea tidal inlet. In: Elliot, M and Ducrot, J.P. (Eds.). Estuaries and coasts. Spatial and Temporal Intercomparisons. Olsen & Olsen, pp. 185-194.
- Olesen, H.J., 1993. Fallbeispiel Varde Å. Wattenmeer International 1/93, 10.
- Oost, A.P., 1995 Dynamics and sedimentary development of the Dutch Wadden Sea with emphasis on the Frisian Inlet. Ph.D. thesis, University of Utrecht, Geologica Ultraiectina 126, pp. 455.
- Oost, A.P. and Boer, P.L. de, 1994. Sedimentology and development of barrier islands, ebb-tidal deltas, inlets and backbarrier areas of the Dutch Wadden Sea. Senckenbergiana marit. 24, 65-115.
- Oost, A.P., Ens, B.J., Brinkman, A.G., Dijkema, K.S., Eysink, W.D., Beukema, J.J., Gussinklo, H.J., Verboom, B.M.J. and Verburgh, J.J., 1998. Integrale Bodemdalingstudie Waddenzee. NAM, Assen.
- OSPAR, 1997. Annex 5: Agreed Background/Reference concentrations for contaminants in sea water, biota and sediment. Annex 6: Agreed ecotoxicological assessment criteria for trace metals, PCBs, PAHs, TBT and some organochlorine pesticides. Joint meeting of the Oslo and Paris commissions, Brussels, 2-5 September 1997.
- Osiek, E.R. and Hustings, F., 1994. Rode Lijst van bedreigde en kwetsbare vogelsoorten in Nederland. Techn. Rapport Vogelbescherming Nederland 12, Vogelbescherming Nederland, Zeist.
- Ovesen, H.C. (Ed.), 1990. Proceedings of the Second Trilateral Working Conference on Salt marsh Management in the International Wadden Sea Area, Rømø, 1989. National Forest and Nature Agency, Denmark, pp. 203.
- Pachur, H.-J., Ricking, M., Sommerfeldt, B., Varlemann, R., Bakker, J.F. and Smedes, F., 1995. Geoaccumulation of environmental contaminants in sediments of the lower Ems river in the framework of the European project "Chemical Time Bombs". Report no. 107 01 016/17 of the Federal Environmental Agency (UBA), Berlin.

- Peletier, H., 1992. Measurements of biomass, pigments and photosynthesis of *Ulva* sp. in the Western Wadden Sea in 1988-91. Rijkswaterstaat, National Institute for Coastal and Marine Management (RIKZ). Report DGW-92.005 (in Dutch).
- Peletier, H., 1996. Long-term changes in intertidal estuarine diatom assemblages related to reduced input of organic matter. *Mar. Ecol. Prog. Ser.* 137, 265-271.
- Peletier, H., Gieskes, W.W.C. and Buma, A.G.J., 1996. Ultraviolet-B radiation resistance of benthic diatoms isolated from tidal flats in the Dutch Wadden Sea. *Mar. Ecol. Prog. Ser.* 135, 163-168.
- Petersen, J., 1999. Die Dünenalvegetation der Wattenmeer-Inseln in der südlichen Nordsee. Eine pflanzensoziologische und ökologische Vergleichsuntersuchung unter Berücksichtigung von Nutzung und Naturschutz. Diss. Univ. Hannover. pp. 203.
- Phil, N.J. and Kristensen, P.S., 1998. Blåmuslingebestanden i det danske Vadehav efteråret 1997. DFU Rapport nr. 49-98, pp. 19.
- Philippart, M., 1989. Uitwisseling Noordzee-Waddenzee: tijdschalen in de Waddenzee. (Water exchange North Sea - Wadden Sea: time scales in the Wadden Sea) NIOZ/IMO report V89-1.
- Philippart, C.J.M., 1994. Eutrophication as a possible cause of decline in the seagrass *Zostera noltii* of the Dutch Wadden Sea. Ph.D. thesis, Landbouwniversiteit, Wageningen, 1-157.
- Philippart, C.J.M. and Dijkema, K.S., 1995. Wax and wane of *Zostera noltii* Hornem. in the Dutch Wadden Sea. *Aquat. Bot.* 49, 255-268.
- Piersma, T., 1986. Breeding Waders in Europe. Wader Study Group Bulletin No. 48, Supplement.
- Piersma, T. and Koolhaas, A., 1997. Shorebirds, shelffish(eries) and sediments around Griend, Western Wadden Sea, 1988-96. NIOZ-Rapport 1997-7, pp. 118.
- Piersma, T., Beintema, A.J., Davidson, N.C., Munster, O.A.G. and Pienkowski, M.W., 1987. Wader migration systems in the East Atlantic. *Wader Study Group Bull.* 49, Suppl. / IWRB Special Publ. 7, 35-56.
- Pirot, J.-Y., Laursen, K., Madsen, J. and Monval, J.-Y., 1989. Population estimates of swans, geese, ducks and Eurasian Coot (*Fulica atra*) in the Western Palearctic and Sahelian Africa. IWRB Special Publication No. 9, 14-23.
- Poot, M., Rasmussen, L.M., Roomen, M.v., Rösner, H.-U. and Südbeck, P., 1996. Migratory Waterbirds in the Wadden Sea 1993/94. *Wadden Sea Ecosystem No. 5*, Common Wadden Sea Secretariat, Wilhelmshaven, pp. 79.
- Post K. and Kompangje E.J.O., 1995. Late Pleistocene White Whales *Delphinapterus leucas* from the Dutch coastal waters. *Lutra* 38, 67-76.
- Postma, H., 1983. Hydrography of the Wadden Sea movements and properties of water and particulate matter. In: Wolff, W. J. (Ed.). *Ecology of the Wadden Sea*. Vol. 1, Part 2, Balkema, Rotterdam, pp. 1-75.
- Postma, H., 1984. Introduction to the symposium on organic matter in the Wadden Sea. *Neth. Inst. Sea Res. Publ. Ser.* 10, 13-22.
- Potel, P., Südbeck, P. and Hälterlein, B., 1998. Wie kommen wir zu einem verbesserten Schutz der Strandvögel im Wattenmeer? *Seevögel Band 19, Sonderheft, 1*, (Dt. See- und Küstenvogelkoll.), pp. 75-80.
- Pott, R., 1995. *Farbatlas Nordseeküste und Nordseeinseln*. Ulmer, Stuttgart, pp. 228.
- Prawitt, O., 1995. Untersuchungen zur Bestimmung der Fangkraft und des Fischereiaufwandes von Krabbenkuttern. Diplomarbeit, Universität Kiel.
- Preisinger, H., 1991. Strukturanalyse und Zeigerwert der Auen- und Ufervegetation im Hamburger Hafen- und Hafenrandgebiet. Diss. Bot. 174, Verlag J. Cramer, Berlin, pp. 296.
- Prins, T.C. and Smaal, A.C., 1990. Benthic-pelagic coupling: The release of inorganic nutrients by an intertidal bed of *Mytilus edulis* In: Barnes, M. and Gibson, R.M. (Eds.). *Trophic relationships in the marine environment*. Proc. 24th European Marine Biological Symposium, Aberdeen Univ. Press, pp. 89-103.
- Prokosch, P., 1984. Population, Jahresrhythmus und traditionelle Nahrungsplatzbindung der Dunkelbauchigen Ringelgans (*Branta b. bernicla*) im Nordfriesischen Wattenmeer. *Ökol. Vögel* 6, 1-99.
- Pulfrich, A., 1997. Seasonal variation in the occurrence of planktic bivalve larvae in the Schleswig-Holstein Wadden Sea. *Helgoländer Meeresunters.* 51, 23-39.
- Raabe, E. W., 1964. Auswirkungen der Aufforstungen Amrums auf die Wasserbilanz. *Die Heimat* 71, 1-8.
- Raaphorst, W. van, Jonge, V.N. de, Dijkhuizen, D. and Frederiks, B., 1999. Hind casting of nitrogen and phosphorus reference concentrations in the western Dutch Wadden Sea from emissions of the river Rhine and concentrations in the southern North Sea. *Neth. J. Sea Res.*, (in prep).
- Rademaker, M., Reckermann, M., Tillmann, U., Tillmann, A., Colijn, F., Zevenboom, W. and Hout, P., 1998. *Fibrocapsa japonica* and *Heterosigma akashiwo*: new observations. *Harmful Algae News* 17, 8-10.
- Rahmel, J., Bätje, M., Jakobs, R. and Michaelis, H., 1997. Die Entwicklung der Nährstoffkonzentrationen im ostfriesischen Wattenmeer. *Dienstbericht Forschungsstelle Küste 4/1997*, pp. 15.

- Rahmstorf, S., 1999. Shifting seas in the greenhouse? *Nature* 399, 523-524.
- Ranwell, D.S., 1972. Ecology of salt marshes and sand dunes. Chapman and Hall, London, pp. 258.
- Rat von Sachverständigen für Umweltfragen, 1980. Umweltprobleme der Nordsee. Kohlhammer, Stuttgart, pp. 503.
- Redfield, A.C., Ketchum, B.H. and Richards, F.A., 1963. The influence of organisms on composition of seawater. In: Hill, M.R., (Ed.). *The Sea*. Vol. 2, Wiley Interscience, New York, pp. 26-77.
- Reents, S., 1995. Vergelijking van het kunstmatige afwateringssysteem in de kwelderwerken met natuurlijke kreeksystemen. Studentenverslag, RWS, Directie Noord-Nederland en IBN-DLO, Texel, pp. 79 (also in German).
- Reijnders, P.J.H., 1978. Recruitment in the harbour seal (*Phoca vitulina*) population in the Dutch Wadden Sea. *Neth. J. Sea. Res.* 12, 164-179.
- Reijnders, P.J.H., 1992. Retrospective population analysis and related future management perspectives for the harbour seal *Phoca vitulina* in the Wadden Sea. In: Beukema, J.J. (Ed.). *Proc. Seventh Int. Wadden Sea Symp., Ameland 1990*. *Neth. Inst. Sea Res. Publ. Ser.* 20, 193-197.
- Reijnders, P.J.H., 1996. Developments of grey and harbour seal populations in the international Wadden Sea: reorientation on management and related research. *Wadden Sea Newsletter* 1996-2, 12-16.
- Reijnders, P.J.H. and Ruiter-Dijkman, E.M. de, 1995. Toxicological and epidemiological significance of pollutants in marine mammals. In: Blix, A.S., Walløe, L. and Ulltang, Ø. (Eds.). *Whales, seals, fish and man*. Elsevier Science B.V. Amsterdam, pp. 575-587.
- Reijnders, P.J.H., Dijk, J van and Kuiper, D., 1995. Recolonization of the Dutch Wadden Sea by the grey seal *Halichoerus grypus*. *Biol. Conserv.* 71, 231-235.
- Reijnders, P.J.H., Ries, E.H. and Brasseur, S.M.J.M., 1996b. On the status of harbour seals in the Wadden Sea in 1995. *Wadden Sea Newsletter* 1996-1, 31-32.
- Reijnders, P.J.H., Leopold, M.F., Camphuysen, C.J., Heessen, H.J.L. and Kastelein, R.A., 1996b. The Status of the harbour porpoise *Phocoena phocoena* in Dutch waters and the state of related research in The Netherlands: an overview. *Rep. Int. Whale Comm.* 46, 607-611.
- Reijnders, P.J.H., Ries, E. H., Tougaard, S., Nørgaard, N., Heidemann, G., Schwarz, J., Vareschi, E. and Traut, I.M., 1997: Population development of the harbour seal, *Phoca vitulina*, in the Wadden Sea after the virus epizootic. *Neth. J. Sea Res.* 38, 161-168.
- Reincke, H., 1995. Wie hat sich die Gewässerqualität im Elbeinzugsgebiet verändert? In: Umweltbehörde Hamburg (Ed.). *Situation der Elbe 5 Jahre nach der Wende*. Hamburg, pp. 7-23.
- Reineking, B., 1997. Verölte Seevögel im Spülsaum-Hinweise auf Ölverschmutzungen durch den Seeverkehr. *Symposium Aktuelle Probleme der Meeresumwelt*. *Dt. hydrogr. Z. Suppl.* 7, 113-123.
- Reinke, H.-D. and Irmiler, U., 1994. Die Spinnenfauna (Araneae) Schleswig-Holsteins am Boden und in der bodennahen Vegetation. *Faun. Ökol. Mittl. Suppl.* 17, 1-148.
- Reise, K., 1982. Long-term changes in the macrobenthic invertebrate fauna of the Wadden Sea: are polychaetes about to take over? *Neth. J. Sea Res.* 16, 29-36.
- Reise, K., 1993. Die verschwommene Zukunft der Nordseewatten. In: Schellnhuber, H.-J. and Sterr, H. (Eds.). *Klimaänderung und Küste*. Springer-Verlag, Heidelberg, pp. 223-229.
- Reise, K., 1994a. Changing life under the tides of the Wadden Sea during the 20th century. *Ophelia Suppl.* 6, 117-125.
- Reise, K., 1994b. Das Schlickgras *Spartina anglica*: die Invasion einer neuen Art In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). *Warnsignale aus dem Wattenmeer*. Blackwell, Berlin, pp. 211-214.
- Reise, K., 1995a. Vorkommen von Grünalgen und Seegras im Nationalpark Schleswig-Holsteinisches Wattenmeer. *Forschungsbericht im Auftrag des Landesamtes für den Nationalpark Schleswig-Holsteinisches Wattenmeer, Tönning*. *Biolog. Anstalt Helgoland, List/Sylt*, pp. 16.
- Reise, K., 1995b. Predictive ecosystem research in the Wadden Sea. *Helgoländer Meeresunters.* 49, 495-505.
- Reise, K., 1996. Das Ökosystem Wattenmeer im Wandel. *Geogr. Rdschau* 48, 442-449.
- Reise, K., 1997. Vorkommen von Grünalgen und Seegras im Nationalpark Schleswig-Holsteinisches Wattenmeer. *Forschungsbericht im Auftrag des Landesamtes für den Nationalpark Schleswig-Holsteinisches Wattenmeer, Tönning*. *Biolog. Anstalt Helgoland, List/Sylt*, pp. 14.
- Reise, K. 1998a. Vorkommen von Grünalgen und Seegras im Nationalpark Schleswig-Holsteinisches Wattenmeer. *Forschungsbericht im Auftrag des Landesamtes für den Nationalpark Schleswig-Holsteinisches Wattenmeer, Tönning*. *Biolog. Anstalt Helgoland, List/Sylt*, pp. 13.
- Reise, K., 1998b. Pacific oysters invade mussel beds in the European Wadden Sea. *Senckenbergiana marit.* 28, 167-175.
- Reise, K. and Siebert, I., 1994. Mass occurrence of green algae in the German Wadden Sea. *Dt. hydrogr. Z. Suppl.* 1, 171-180.
- Reise, K., Herre, E. and Sturm, M., 1989. Historical changes in the benthos of the Wadden Sea around the island of Sylt in the North Sea. In: Reise, K., Armonies, W. and Scherer, B. (Eds.). *Monitoring the Wadden Sea*. *Helgoländer Meeresunters.* 43 (3-4), 417-433.

- Reise, K., Herre, E. and Sturm, M., 1994b. Biomass and abundance of macrofauna in intertidal sediments of Königshafen in the northern Wadden Sea. *Helgoländer Meeresunters.* 48, 201-215.
- Reise, K., Kolbe, K. and Jonge, V. de, 1994b. Makroalgen und Seegrassbestände im Wattenmeer. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). *Warnsignale aus dem Wattenmeer*. Blackwell Wissenschaftsverlag, Berlin, pp. 90-100.
- Revill, A., Pascoe, S., Redcliffe, C., Riemann, S., Redant, F., Polet, H., Damm, U., Neudecker, T., Kristensen, P.S. and Jensen, D., 1999. The economic and biological consequences of discarding in the European Crangon fisheries (ECODISC). EU (DG XIV A: 3) project 97/SE/025, pp. 117.
- Rhode, B., 1982. Die Bodenfauna der Watten in der Emsmündung von Papenburg bis Emden. *Jber. Forsch.-Stelle Küste Norderney* 32, 99-118.
- Richardson, W.J., Greene, C.R., Malme, C.I. and Thomson, D.H., 1995. *Marine mammals and noise*. Academic Press, London, pp. 576.
- Ridderinkhof, H., 1990. Residual currents and mixing in the Wadden Sea. Ph.D. thesis, University of Utrecht (IMO), pp. 91.
- Riedel-Lorjé, J. C., Kohla, U. and Vaessen, B., 1995. Das Vordringen ausgewählter Bodentiere im Elbe-Ästuar als Indikation für eine Verlagerung der oberen Brackwasserzone. *DGM* 39 (4/5), 137-145.
- Riegman, R., Noordeloos, A.A.M. and Cadée, G.C., 1992. *Phaeocystis* blooms and eutrophication of the continental coastal zones of the North Sea. *Mar. Biol.* 112, 479-484.
- Riesen, W. and Reise, K., 1982. Macrobenthos of the subtidal Wadden Sea: revisited after 55 years. *Helgoländer Meeresunters.* 35, 409-423.
- Roff, J.C., Middlebrook, K. and Evans, F., 1988. Long-term variability in North Sea zooplankton off the Northumberland coast: Productivity of small copepods and analysis of trophic interactions. *J. Mar. Biol. Ass. U.K.* 68, 143-164.
- Roomen, M.W.J. van and Madsen, J. (Eds.), 1992. *Waterfowl and agriculture: Review and future perspective of the crop damage conflict in Europe*. IWRB Special Publ. 21.
- Rose, P.M. and Scott, D.A., 1994. Waterfowl population estimates. *IWRB Publ.* 29.
- Roskam, R.T., 1970. De verontreiniging van de zee. *Chemisch Weekblad*, 4 September 1970.
- Rösner, H.-U., 1990. Sind Zugmuster und Rastplatzansiedlung des Alpenstrandläufers (*Calidris alpina alpina*) abhängig vom Alter? *J. Orn.* 131, 121-139.
- Rösner, H.-U., 1994. Population indices for migratory birds in the Schleswig-Holstein Wadden Sea from 1987 to 1993. *Ophelia Supp.* 6, 171-186.
- Rösner, H.-U., 1997. Strategien von Zug und Rast des Alpenstrandläufers (*Calidris alpina*) im Wattenmeer und auf dem Ostatlantischen Zugweg. Ph.D. thesis, Univ. Frankfurt/M, Shaker Verlag, Aachen.
- Rösner, H.-U. and Stock, M., 1994. Numbers, recent changes, seasonal development and spatial distribution of dark-bellied brent geese in Schleswig-Holstein. In: Nugteren, J. van (Ed.). *Proc. Int. Workshop "Brent Geese in the Wadden Sea"*, Leeuwarden, pp. 69-85.
- Rösner, H.-U., Roomen, M.v., Südbeck, P. and Rasmussen, L.M., 1994. Migratory Waterbirds in the Wadden Sea 1992/93. *Wadden Sea Ecosystem No. 2*, Common Wadden Sea Secretariat, Wilhelmshaven, pp. 72.
- Rösner, H.-U., Blew, J., Frikke, J., Meltofte, H. and Smit, C.J., 1995. Anzahl und Verteilung von Wasservögeln im Wattenmeer. *Natur und Landschaft* 70, 412-419.
- Roy, P.S. and Cowell, P.J., 1995. Chaotic coastal behaviour under conditions of slowly rising sea level. In: IGCP Project 367, *Rapid coastal Changes. Second Annual Meeting, Abstr. Vol.*, pp. 101-102.
- Rudfeld, L., 1990. 25 års beskyttelse af Vadehavet, Miljøministeriet, Skov- og Naturstyrelsen.
- Runge, F., 1981. Die Pflanzengesellschaften der Ems. *Decheniana* 134 (70), 71-86.
- Rus, J.S., Bonnema, F.D., Brorens, B. and Kok, A., 1997. *Integraal waterbeheer Vlieland: werken aan eilandeigen oplossingen*.
- Ruth, M., 1994. Untersuchungen zur Biologie und Fischerei von Miesmuscheln im Nationalpark „Schleswig - Holsteinisches Wattenmeer“. *Inst. f. Meeresforschung, Univ. Kiel*, pp. 327.
- Sam R. and Smit, J., 1996. *Wad monitoren? Een onderzoek naar de afstemming tussen beleid m.b.t. de Waddenzee en de monitoringsactiviteiten*. RWS werkdocument RIKZ/AB-96.602.
- Schaub, B.E.M. and Gieskes, W.W.C., 1991. Eutrophication of the North Sea: the relation between Rhine river discharge and chlorophyll-a concentration in Dutch coastal waters. In: Elliott, M. and Ducrotoy, J.-P. (Eds.). *Estuaries and coasts: spatial and temporal intercomparisons*. ECSA 19 Symposium, Caen, France. Olsen & Olsen, Fredensborg, pp. 85-90.
- Scheffel, H.-J. and Schirmer, M., 1997. Die Fischgesellschaften im Bereich der Tideweser. *Bremer Beiträge zu Naturkunde und Naturschutz* 3, 25-36.
- Scheibel, W. and Weidel, H., 1988. Zum Vorkommen von Kegelrobben (*Halichoerus grypus* Fabricius, 1791, Phocidae, Pinnipedia) in Schleswig-Holstein. *Zool. Anz.* 220, 65-70.

- Scheppingen, Y. van and Groenewold, A., 1990. De ruimtelijke verspreiding van het benthos in de zuidelijke Noordzee. De Noord-Nederlandse kustzone overzicht 1988-1989. Milzon-benthos Rapport Nr. 90-03.
- Schirmer, M., 1991. Die Verbreitung der Fische im Land Bremen. Abh. Naturw. Verein Bremen 41/3, 405-465.
- Schirmer, M., 1994. Ökologische Konsequenzen des Ausbaus der Ästuarie von Elbe und Weser. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 164-171.
- Schirmer, M., 1995. Eindeichung, Trockenlegung, Korrektion, Anpassung: Die Abwicklung der Unterweser und ihrer Marsch. In: Gerken, B. and Schirmer, M. (Eds.). Die Weser. Limnologie aktuell. Bd. 6, Fischer, Stuttgart, pp. 35-53.
- Schirmer, M., 1996. Die Weser - eine Zustandsbeschreibung. In: Lozán, J. and Kausch, H. (Eds.). Warnsignale aus Flüssen und Ästuaren. Parey, Berlin, pp. 75-82.
- Schmidt, R.C. and Hüssel, B., 1994. Tourists and locals, seals and porpoises - friendly interaction and mutual endangering, examples from the German island Sylt, North Sea. In: Evans, P.G.H. (Ed.). European Research on Cetaceans - 8: 36. Proc. 8th Ann. Conf. ECS, Montpellier, March 1994.
- Schmidt, H., 1995. Deutscher Wetterdienst, Hamburg (unpublished).
- Schmidt, H. and Storch, H. von, 1993. German Bight storms analysed. Nature, Vol. 365, 791.
- Scholle, J. and Schuchardt, B., 1997. Übersicht über die Benthon-Taxozönosen im limnischen Abschnitt der Unterweser und in ihren Zuflüssen. Bremer Beiträge für Naturkunde und Naturschutz 3, 7-24.
- Scholten, M.C.T., Jak, R.G. and Foekema, E.M., 1994. Ecological control of algal densities. TNO-MW-R94/280a.
- Scholten, M.C.T., Jak, R.G., Pavoni, B., Sfriso, A., Philippart, C.J.M., Dankers, N., Heij, H. de and Helder, W., 1995. BEST Benthic Eutrophication Studies - Synthesis Report. TNO-MEP R94/049, pp. 60.
- Schories, D. and Reise, K., 1993. Germination and anchorage of *Enteromorpha* spp. in sediments of the Wadden Sea. Helgoländer Meeresunters. 47, 275-285.
- Schories, D., 1995. Populationsökologie und Massenentwicklung von *Enteromorpha* spp. (Chlorophyta) im Sylter Wattenmeer. Berichte aus dem Institut für Meereskunde an der Christian-Albrechts-Universität Kiel, Nr. 271, pp. 145.
- Schories, D., Albrecht, A. and Lotze, H., 1997. Historical changes and inventory of macroalgae from Königshafen Bay in the northern Wadden Sea. Helgoländer Meeresunters. 5, 321-341.
- Schuchardt, B., 1995. Die Veränderung des Tidehubs in den inneren Ästuaren von Eider, Elbe, Weser und Ems. Ein Indikator für die ökologische Verformung der Gewässer. Naturschutz und Landschaftsplanung 27 (6), 211-217.
- Schuchardt, B., 1997. Auenrevitalisierung an der Unterweser bei stark anthropogen verändertem Tidehub: Leitbilder und Umsetzungsmöglichkeiten. Bremer Beiträge für Naturkunde und Naturschutz 3, 53-62.
- Schuchardt, B. and Schirmer, M., 1991. Phytoplankton maxima in two coastal plain estuaries. Est. Coast. Shelf Sci. 32, 187-206.
- Schuchardt, B., Beckmann, M., Knust, R. and Schirmer, M., 1984. Eulitorale Uferstrukturen an der Unterweser. Drosera 84 (2), 83-90.
- Schuchardt, B., Busch, D., Schirmer, M. and Schröder, K., 1985. Die aus langfristig geführten Fischereistatistiken rekonstruierbaren Bestandsänderungen der Fischfauna: Ein Indikator für Störungen des Ökosystems. Natur und Landschaft 60 (11), 441-444.
- Schuchardt, B., Müller, M. and Schirmer, M., 1989. Veränderungen im Sauerstoff-Haushalt der Unterweser nach der Reduzierung kommunaler und industrieller Einleitungen. DGM 33 (3/4), 98-103.
- Schuchardt, B., Haeslopp, U. and Schirmer, M., 1993a. The tidal freshwater reach of the Weser Estuary: riverine or estuarine? Neth. J. Aquatic Ecol. 27 (2-4), 215-226.
- Schuchardt, B., Schirmer, M. and Jathe, B., 1993b. Vergleichende Bewertung des ökologischen Zustands der tidebeeinflussten Flußunterläufe Norddeutschlands. Jb. Natursch. Landschaftspfl. 48, 137-152.
- Schuchardt, B., Rieger, E.-M. and Schirmer, M., 1995. Untersuchungen zur ökologischen Bedeutung der tideoffenen Bremer Seehäfen: abiotische Parameter und Plankton. DGM 39 (1), 6-10.
- Schulz, H., 1961. Qualitative und quantitative Planktonuntersuchungen im Elbe Ästuar. Arch. Hydrobiol. Suppl. 26 (1/2), 5-105.
- Schulz, R. and Stock, M., 1991. Kentish plovers and tourists - Conflicts in a highly sensitive but unprotected area in the Wadden Sea National Park of Schleswig-Holstein. Wadden Sea Newsletter 1991-1, 20-24.
- Schuster, O., 1952. Die Vareler Rinne im Jadebusen. Abh. Senckenberg. Naturf. Ges. 486, 1-38.
- Schwarz, J. and Heidemann, G., 1994. Zum Status der Bestände der Seehund- und Kegelrobbenpopulationen im Wattenmeer. In: Lozán, J.L., Rachor, E., Reise, K., Westernhagen, H. v. and Lenz, W. (Eds.). Warnsignale aus dem Wattenmeer. Blackwell, Berlin, pp. 296 - 303.

- Schwarzschild, A.C., Macintyre, W.G., Moore, K.A. and Libelo, E.L., 1994. *Zostera marina* L. growth response to atrazine in root-rhizome and whole plant exposure experiments. J. Exp. Mar. Biol. Ecol. 183, 77-89.
- Seed, R. and Suchanek, T.H., 1992. Population and community ecology of *Mytilus*: In: Gosling, E.M. (Ed.). The mussel *Mytilus*: Ecology, physiology, genetics and culture. Elsevier Press, Amsterdam, pp. 87-169.
- Short, F.T., Muehlstein, L.K. and Porter, D., 1987. Eelgrass wasting disease: cause and reoccurrence of a marine epidemic. Biol. Bull. 173, 557-562.
- Siebert, U., 1995. Analyse des Quecksilbergehaltes in Organen von Kleinwalen aus deutschen Gewässern der Nord- und Ostsee und seine möglichen Beziehungen zu Erkrankungs- und Todesursachen. Ph.D. thesis, University Giessen, pp. 130.
- Siebert, U., Nannen, M., Reckermann, M., Wünschmann, A., Baumgärtner, W., Rademaker, M. and Colijn, F. Can *Fibrocapsa* kill seals? (in press).
- Sival, F. P., 1997. Dune soil acidification threatening rare plant species. PhD Thesis, Univ. Groningen. pp. 150.
- Sivebaek, F., Jensen, A.R. and Clausager Rasmussen, P., 1997. Laksefiskene og fiskeriet i Vadehavsområdet. Supplerende rapport, DFU rapport nr-40b-97, ISBN 87-88047-42-3.
- Skov, H., Durinck, J., Leopold, M.F. and Offringa, H., 1994. Habitats at sea: "Action preparatory to the establishment of a protected areas network in the southeastern North Sea and the southern Baltic". EU DG XI ACE contract no. 445-45, Final Report, NIOZ Report, Texel.
- Skov, H., Durinck, J., Leopold, M.F. and Tasker, M.L., 1995. Important bird areas in the North Sea, including the Channel and the Kattegat. BirdLife International, Cambridge, pp. 156.
- Skov, H., Christensen, K.D. and Durinck, J., 1996. Trends in Marine Oil Pollution in Denmark 1984-1995. An analysis of Beached Bird Surveys. Danish Environmental Protection Agency, Working Report No. 75, pp. 62.
- Skov, H., Durinck, J., Leopold, M.F. and Offringa, H., 1999. Habitats at sea: Action preparatory to the establishment of a protected areas network in the southeastern North Sea and the southern Baltic. Unpublished EU report.
- Smedes, F., 1997. Zand, slib en zeven. Standaardisering van contaminantgehaltenes in mariene sedimenten. National Institute for Coastal and Marine Management / RIKZ Report RIKZ-96.043.
- Smedes, F., Groen, K., Riesenkamp, W. and Bakker, J.F., 1996. Vergelijking van homogenisatie technieken. (Deelrapport 2 van HCBMON-project "Monitoring hexachloorbenzeen in het Zeehavenkanaal van Delfzijl"), National Institute for Coastal and Marine Management, Report RIKZ/IT-97.607.
- Smeenk, C., 1986. Strandings van cetacea op de Nederlandse kust in 1981, 1982 en 1983. Lutra 29, 268-281.
- Smeenk, C., 1989. Strandings van cetacea op de Nederlandse kust in 1984, 1985 en 1986. Lutra 32, 164-180.
- Smeenk, C., 1995. Strandings van cetacea op de Nederlandse kust in 1990, 1991 en 1992. Lutra 38, 90-104.
- Smeenk, C., 1992. Strandings van cetacea op de Nederlandse kust in 1987, 1988 en 1989. Lutra 35, 55-66.
- Smeenk, C. and Addink, M.J., 1990. „Massastranding“ op de Nederlandse kust: Witsnuitdolfijnen in storm en branding. Zoogdier 1, 5-9.
- Smit, C.J. and Piersma, T., 1989. Numbers, mid-winter distribution and migration of wader populations using the East Atlantic Flyway. IWRB Special Publ. 9, 24-63.
- Smit, C.J. and Zegers, P.M., 1994. Shorebird counts in the Dutch Wadden Sea, 1980-91: a comparison with the 1965-77 period. Ophelia Suppl. 6, 163-170.
- Sommer, U., Schmieder, K.R. and Becker, P.H., 1997. Untersuchung von Seevogeleiern auf chlorierte Pestizide, PCBs und Quecksilber. Bioforum, 20(2), 68-72.
- Sonntag, R.P., Benke, H., Siebert, U. and Lick, R., 1996. Investigation of the North Sea off Schleswig-Holstein (FRG) for breeding ground of harbour porpoises (*Phocoena phocoena*). Report SC/48/SM26, Scientific Committee of the IWC.
- Sonntag, R.P., Benke, H., Hiby, A.R., Lick, R. and Adelung, D., 1997. Breeding ground of harbour porpoises (*Phocoena phocoena*) in the North Sea off Schleswig-Holstein, Germany, unpublished.
- Spiegel, F., 1997. Die Tidebecken des schleswig-holsteinischen Wattenmeeres: Morphologische Strukturen und Anpassungsbedarf bei weiter steigendem Meeresspiegel. FTZ-Büsum 14, pp. 255.
- Spratte, S., 1992. Daten zur limnischen Fischfauna im Eidergebiet. Ministerium für Ernährung, Landwirtschaft, Forsten und Fischerei des Landes Schleswig-Holstein und Landessportfischerverband Schleswig-Holstein, Kiel, pp. 137.
- Stachel, B. and Lüchow, R., 1996. Entwicklung der Metallgehalte in Sedimenten der Tideelbe, 1979-1994. Arbeitsgemeinschaft für die Reinhaltung der Elbe (ARGE Elbe).
- Stade Declaration, 1997. Ministerial Declaration of the Eighth Trilateral Governmental Conference on the Protection of the Wadden Sea. Stade, 1997 (English version). Common Wadden Sea Secretariat, Wilhelmshaven, pp. 100.

- Statistisches Bundesamt (Ed.), 1987, 1997. Verkehr, Fachserie 8, Reihe 6. Luftverkehr. Metzler-Poeschel, Stuttgart.
- Stede, M., 1994. Zur Todesursache bei Walen der niedersächsischen Nordseeküste. *Drosera* 1, 7-19.
- Steffen, D., 1996. Pflanzenschutzmittel und Nitromoschusverbindungen in ausgewählten niedersächsischen Fließgewässern. In: Niedersächsisches Landesamt für Ökologie (Ed.), *Oberirdische Gewässer*. Hildesheim.
- Sterr, H., 1995. Klimawandel und mögliche Auswirkungen auf die deutsche Nordseeküste. In: SDN (Ed.), *Klimaänderung und Küste*. SDN-Kolloquium 1995. Schriftenreihe der Schutzgemeinschaft Deutsche Nordseeküste e.V., Heft 1, Varel, pp. 9-30.
- Stienen, E.W.M. and Brenninkmeijer, A., 1992. Ecologisch profiel van de visdief (*Sterna hirundo*). RIN-rapport 92/18. DLO-instituut voor Bos- en Natuuronderzoek.
- Stock, M., 1993. Salt marshes in Schleswig-Holstein: from a green towards a natural succession. *Wadden Sea Newsletter* 1993-1, 11-14.
- Stock, M., 1994. Auswirkungen von Störreizen auf Ethologie und Ökologie von Vögeln im Wattenmeer. Ph.D. thesis., Univ. Osnabrück, Shaker Verlag, Aachen.
- Stock, M., 1997. Salt marsh management in the National Park Schleswig-Holsteinisches Wattenmeer. *Wadden Sea Newsletter* 1997-1, 11-15.
- Stock, M. and F. Hofeditz, 1997. Grenzen der Kompensation: Energiebudgets von Ringelgänsen (*Branta b. bernicla*) - die Wirkung von Störreizen. *J. Orn.* 138, 387-411.
- Stock, M., Hofeditz, F., Mock, K. and Pohl, B., 1995. Einflüsse von Flugbetrieb und Freizeitaktivitäten auf Verhalten und Raumnutzung von Ringelgänsen (*Branta bernicla bernicla*) im Wattenmeer. *Corax* 16, 63-83.
- Stock, M., Schrey, E., Kellermann, A., Gätje, C., Eskildsen, K., Feige, M., Fischer, G., Hartmann, F., Knoke, V., Möller, A., Ruth, M., Thiessen, A. and Vorberg, R., 1996: Ökosystemforschung Wattenmeer Synthesebericht: Grundlagen für einen Nationalparkplan. Schriftenreihe des Nationalparks Schleswig-Holsteinisches Wattenmeer, Heft 8, pp. 784.
- Stock, M., Kiehl, K. and Reinke, H.D., 1997. Salt marsh protection in the Schleswig-Holstein Wadden Sea area. *Texte 84/97*. Umweltbundesamt, Berlin.
- Stone, C.J., Webb, A., Barton, C., Ratcliffe, N., Reed, T.C., Tasker, M.L., Camphuysen, C.J. and Pienkowski, M.W., 1995. An atlas of seabird distribution in north-west European waters. Joint Nature Conservation Committee, Peterborough, pp. 326.
- Storch, H. von, Guddal, J., Iden, K.A., Jónsson, T., Perlwitz, J., Reistad, M., Ronde, J. de, Schmidt, H. and Zorita, E., 1993. Changing statistics of storms in the North Atlantic? MPI-Report, No 116.
- Stralen, M.R. van, 1995. De groei en aanvoer van gekweekte mosselen (*Mytilus edulis*) na 1952 en de ontwikkeling van het kokkelbestand (*Cerastoderme edule*) in relatie tot het voedselaanbod, eutrofiëring en andere milieufactoren in de Waddenzee. RIVO Rapport 95.016, pp. 27.
- Stralen, M.R. van, 1998. De ontwikkeling van het mosselbestand in de Waddenzee en Oosterschelde na 1992. RIVO-rapport C.006.98, pp. 31.
- Sundbäck, K. and Granéli, W., 1988. Influence of microphytobenthos on the nutrient flux between sediment and water: a laboratory study. *Mar. Ecol. Prog. Ser.* 43, 63-69.
- Swart, R.L. de, Ross, P.S., Vedder, E.J., Timmerman, H.H., Heisterkamp, S.H., Loveren, H. van, Vos, J.G., Reijnders, P.J.H. and Osterhaus, A.D.M.E., 1994. Impairment of immune function in harbour seals (*Phoca vitulina*) feeding on fish from polluted waters. *Ambio* 23, 155-159.
- Swart, J.A.A., Reijnders, P.J.H. and Delden W. van, 1996. Absence of genetic variation in harbour seals (*Phoca vitulina*) in the Dutch Wadden Sea and the British Wash. *Conservation Biology* 10, 289-293.
- Swennen, C., Leopold, F.M. and Stock, M., 1985. Notes on growth and behaviour of the American razor clam *Ensis directus* in the Wadden Sea, and the predation on it by birds. *Helgoländer Meeresunters.* 39, 255-261.
- Tamminga, M., 1997. Monitoring Watersport op de Waddenzee. Resultaten 1996. Provincie Friesland.
- Temming, A. and Temming, B., 1992. Economic overfishing and increase offishing effort in the North Sea brown shrimp fishery. ICES Report C.M. K:37, Shellfish Committee, pp. 29.
- Temming, A., Damm, U. and Neudecker, T., 1993. Trends in the size composition of commercial catches of brown shrimp (*Crangon crangon* L.) along the German coast. ICES Report C.M. K:53, Shellfish Committee, pp. 14.
- Theede, H., 1981. Frostschutz bei Meerestieren. *Unterricht Biologie* 58, 43.
- Theobald, N., Gaul, H., and Ziebarth, U., 1996. Verteilung von organischen Schadstoffen in der Nordsee und angrenzenden Seegebieten. *Dt. hydrogr. Z.* 6, 81-93.
- Theobald, N., Lange, W., Gähler, W. and Remmer, F., 1995. Mass spectrometric investigations of water extracts of the river Elbe for the determination of potential inputs of pollutants into the North Sea. *Fresenius J. Anal. Chem.* 353, 50-56.
- Thiel, R., 1995. Die Fischfauna der Tideelbe - historische Entwicklung, gegenwärtiger Zustand, fischereiliche Perspektive. In: Umweltbehörde Hamburg (Ed.), *Situation der Elbe 5 Jahre nach der Wende*. pp. 64-71.

- Thiele, B., Günther, K. and Schwuger, M. J., 1997. Alkylphenol Ethoxylates: Trace analysis and environmental behavior. *Chemical Reviews* 97, 3247-3272.
- Thiil Nielsen, H., Jensen, A.R., Sivebaek, F., Clausager Rasmussen, P., Dieperink, C., and Ejbye-Ernst, M., 1997. Laksefiskene og fiskeriet i Vadehavsområdet. Teknisk rapport, DFU. rapport nr.40-97, ISBN 87-88047-38-5.
- Tiews, K. and Wienbeck, H., 1990. Grundlagenmaterial zu „35-Jahres-Trend (1954-1988) der Häufigkeit von 25 Fisch- und Krebstierbeständen an der deutschen Nordseeküste.“ Veröff. des Instituts für Küsten- und Binnenfischerei Hamburg, No. 103, pp. 64.
- Tiews, K., 1990. 35-Jahres-Trend (1954-1988) der Häufigkeit von 25 Fisch- und Krebstierbeständen an der deutschen Nordseeküste. *Arch. Fisch. Wiss.* 40, 1/2, 39-48.
- Tillmann, U., Mayer-Brinkmann, A. and Egge, B., 1996. Phytoplanktonentwicklung an der Terminstation Büsum-Mole. *FTZ-Jahresbericht 1995*, 17-19.
- Todd, C.D. and Doyle, R.W., 1981. Reproductive strategies of marine benthic invertebrates: a settlement-timing hypothesis. *Mar. Ecol. Prog. Ser.* 4, 75-83.
- Töppe, A., 1993. Longtime cycles in mean tidal levels. *Proceedings Int. Workshop "SEACHANGE '93"*: 135-143. BfG, IHP/OHP-Sekretariat, Koblenz.
- Tougaard, S., Clausen, B., Jepsen, P. U., Heidemann, G., Schwarz, J., Reijnders, P., Boer, M. den and Vareschi, E., 1994. Statement on Seal Rehabilitation and Release, based on scientific experiences and knowledge. Unpublished.
- Trilateral Wadden Sea Plan, 1997. In: Ministerial Declaration of the Eighth Trilateral Governmental Conference on the Protection of the Wadden Sea, Stade, 1997, Annex 1 (English version). Common Wadden Sea Secretariat, Wilhelmshaven, pp. 13-83.
- Tubbs, C.R., Tubbs, J.M. and Kirby, J.S., 1992. Dunlin *Calidris alpina alpina* in the Solent, southern England. *Biol. Conserv.* 60, 15-24.
- Tweede Kamer, 1998. Handelingen Tweede Kamer.
- Tydeman, P., 1996. An ecological profile of natural, littoral musselbeds. Rikswaterstaat, National Inst. for Coast. and Mar. Man. (RIKZ). Report RIKZ - 96.026 (in Dutch).
- UBA, 1996. Wasserbeschaffenheit ausgewählter Fließgewässer in der Bundesrepublik Deutschland, Text 14/96, Umweltbundesamt, Berlin.
- Vergeer, L.H.T. and Hartog, C. den, 1994. Omnipresence of *Labyrinthulaceae* in seagrasses. *Aquat. Bot.* 48, 1-20.
- Verity, P.G. and Smetacek, V., 1996. Organism life cycles, predation, and the structure of marine pelagic ecosystems. *Mar. Ecol. Prog. Ser.* 130, 277-293.
- Vetter, W., Luckas, B., Heidemann, G. and Skirnisson, K., 1996. Organochlorine residues in marine mammals from the Northern Hemisphere. A consideration of the composition of organochlorine residues in the blubber of marine mammals. *Sci. tot. Environ.* 186, 29-39.
- Vinther, M., 1995. Incidental catch of the harbour porpoise (*Phocoena phocoena*) in the Danish North Sea gill-net fisheries: preliminary results. In: Andersen, J., Karup, H. and Nielsen, U.B. (Eds.). *Proceedings of the Scientific Symposium on the North Sea Quality Status Report 1993*, Ebeltoft, 1994. Danish Environmental Protection Agency, Copenhagen, pp. 210-213.
- Vogel, S. and Koch, L., 1992. Report on occurrence of grey seals (*Halichoerus grypus* Fabricius 1791) in the Schleswig-Holstein Wadden Sea. *Säugetierk. Inform.* 3, 449-459.
- Voogt, P. de and Lourens, J., 1996. Lot en effecten van bestrijdingsmiddelen in de Noordzee. University of Amsterdam, ordered by the Rijkswaterstaat Tidal Waters Division.
- Vooyo, C. de, 1990. Expected biological effects of long-term changes in temperatures on marine ecosystems in coastal waters around The Netherlands. In: Beukema, J.J., Wolff, W.J. and Brouns, J.J.W.M. (Eds.). *Expected effects of climate change on marine coastal ecosystems. Developments in Hydrobiol.* 57, Kluwer Academic Publishers, Dordrecht, pp. 77-82.
- Vooyo, C. de, 1999. Numbers of larvae and primary plantigrades of the mussel *Mytilus edulis* in the western Dutch Wadden Sea. *Neth. J. Sea Res.* 41(3), 189 – 201.
- Vorberg, R., 1995. On the decrease of sabellarian reefs along the German North Sea coast. *Publ. Serv. géol. Lux.* 29, 87-93.
- Vorberg, R., 1997. Auswirkungen der Garnelenfischerei auf den Meeresboden und die Bodenfauna des Wattenmeeres. *Schriftenreihe naturwissenschaftliche Forschungsergebnisse* Bd. 54, Verlag Kovac, Hamburg, pp. 1-191.
- Vrieling, E.G., Koeman, R., Schon, C., Scheerman, P., Peperzak, L., Veenhuis, M. and Gieskes, W.W.C., 1996. Identification of a domoic acid producing *Pseudonitzschia* species (diatoms) in the Dutch Wadden Sea with E.M. and molecular probes. *Eur. J. Phycol.* 31, 333-340.
- Vroom, M.G., Steyaert, F.H.I.M. and Misdorp, R., 1989. *Wadatlas*. Rijkswaterstaat, DGSM.
- Wader Study Group, 1992. The Flyway Concept. *Wader Study Group Bull.* 65, 12.
- Walsh, G.E., Hansen, D.L. and Lawrence, D.A., 1982. A flow-through system for exposure of seagrass to pollutants. *Mar. Environ. Res.* 7, 1-11.
- Walter, U., 1997. Die Bedeutung der Garnelenfischerei für die Seevögel an der niedersächsischen Küste. *Berichte Forschungszentrum Terramare* 3, Wilhelmshaven.

Warrick, R.A., Leprovost, C., Meie, M.F., Oerlemans, J. and Woodworth, P.L., 1996. Changes in sea level. In: Houghton, J.J., Meiro Filho, L.G., Callander, B.A., Harris, N., Kattenberg, A. and Maskell, K., (Eds.). *Climate Change 1995, the science of climatic changes*. Cambridge Univ. Press, Cambridge, pp. 359-405.

Watson, R.T., Zinyowera, M.C. and Moss, R.H. (Eds.), 1996. *Climate Change 1995: Impacts, Adaptations and Mitigation of Climate Change: Scientific-Technical Analyses Contribution of Working Group II to the Second Assessment Report of the Intergovernmental Panel on Climate Change*, Cambridge University Press, Cambridge, pp. 880.

Wellershaus, S., 1981. Turbidity maximum and mud shoaling in the Weser Estuary. *Arch. Hydrobiol.* 92(2), 161-198.

Wellershaus, S., 1986. Mud accumulation in estuarine channels a question of dredging? *Env. Technol. Lett.* 7, 255-262.

Wilde, P.A.W.J. de and Beukema, J.J., 1984. The role of the zoobenthos in the consumption of organic matter in the Dutch Wadden Sea. *Neth. Inst. Sea Res. Publ. Ser.* 10, 145-148.

Wilson, D.P., 1971. *Sabellaria* colonies at Duckpool, North Cornwall, 1961-1970. *J. Mar. Biol. Ass. U.K.* 51, 509-580.

Wolff, W.J., 1991. Ecology of the Wadden Sea. In: WWF (Ed.). *The common future of the Wadden Sea*. Technical report WWF, Husum, pp. 13-22.

Wulfraat, K.J., Smit, T., Groskamp, H. and Vries, A. de, 1993. De belasting van de Noordezee met verontreinigende stoffen 1980-1990. Report DGW-93.037, Tidal Waters Division of Rijkswaterstaat, The Hague.

Zeiss, B. and Kröncke, I., 1997. Macrofauna long-term studies in a subtidal habitat off Norderney (east Frisia, Germany) from 1978-1994. I. The late winter samples. *Ocean. Acta* 20(1), 311-318.

Zens, M., Michaelis, H., Herlyn, M. and Reetz, M., 1997. Die Miesmuschelbestände der niedersächsischen Watten im Frühjahr 1994. *Ber. Forschungsstelle Küste, Norderney* 41, 141-155.

Zhang, H.Q., 1993. Stabilitätsparameter des Deichvorlandes und deren Beeinflussung durch Bewirtschaftungsverfahren. *Mitt. d. Bodenkundige Gesellschaft* 72, 297-300.

Zhou, J. L., Fileman, T.W., Evans, S., Donkin, P., Mantoura, R.F.C. and Rowland, S., 1996. Seasonal distribution of dissolved pesticides and polynuclear aromatic hydrocarbons in the Humber estuary and Humber coastal zone. *Mar. Poll. Bull.* 32, 599-608.

Zijlstra, J.J., 1978. The function of the Wadden Sea for the members of its fish-fauna. In: Dankers, N., Wolff, W.J. and Zijlstra, J.J. (Eds.). *Fishes and fisheries of the Wadden Sea*. Report 5 of the Final report of the section 'Fishes and fisheries' of the Wadden Sea Working Group. Stichting Veth tot Steun aan Waddenonderzoek, Leiden, p 20-25. Also published in: Wolff, W.J. (Ed). 1983. *Ecology of the Wadden Sea*, Vol. 2. Balkema, Rotterdam, pp. 20-25.

ZMK, 1996. *Jahresstatistik 1996 des Zentralen Meldekopfes Küstenwache Cuxhaven*. pp. 16.

Zwarts, L., 1991. Mosselbanken: wadvogels op een kluitje. *Vogels* 66, 8-12.

List of Authors

Asmus, R. Alfred Wegener Institut (AWI) , Wattenmeerstation Sylt. Hafenstrasse 43. D - 25992 List/Sylt. e-mail: rasmus@awi-bremerhaven.de

Bakker, J.F. Rijksinstituut voor Kust en Zee (RIKZ). Postbus 207. NL - 9750 AE Haren. e-mail: J.F.Bakker@rikz.rws.minvenw.nl

Bartelds, W. Rijksinstituut voor Kust en Zee (RIKZ). Postbus 207. NL - 9750 AE Haren. e-mail: W.Bartelds@rikz.rws.minvenw.nl

Becker, P.H. Institut für Vogelforschung. An der Vogelwarte 21. D - 26386 Wilhelmshaven. e-mail: p.becker@ifv-terramare.fh-wilhelmshaven.de

Berkel, C.J.M. Ministerie van Landbouw, Natuurbeheer en Visserij (LNV), Dir. Noord. Postbus 30032. NL - 9700 RM Groningen. e-mail: c.j.m.van.Berkel@lnv.agro.nl

Bester, K. Institute for Reference Materials and Measurements (IRMM). Retieseweg. B -2240 Geel. e-mail: kai.bester@irmm.jrc.be

Beusekom, J. van. Alfred Wegener Institut (AWI) , Wattenmeerstation Sylt. Hafenstrasse 43. D - 25992 List/Sylt. e-mail: jbeusekom@awi-bremerhaven.de

Bunje, J. Nationalparkverwaltung Niedersächsisches Wattenmeer. Virchowstr. 1. D - 26382 Wilhelmshaven. e-mail: juern.bunje@nlpv.terramare.de

Cadée, G. C. Nederlands Instituut voor Onderzoek der Zee (NIOZ). Postbus 59. NL - 1790 AB Den Burg. e-mail: cadee@nioz.nl

Christiansen, B. Slipstek 41. D - 21129 Hamburg. e-mail: bchristiansen@uni-hamburg.de

Dahl, K. Danmarks Miljøundersøgelser (DMU). Frederiksborgvej 399. DK - 4000 Roskilde. e-mail: Kda@dmu.dk

Dankers, N. Alterra. Postbus 167 NL - 1790 AD Den Burg/Texel. e-mail: n.m.j.a.dankers@ibn.dlo.nl

Diel-Christiansen, S. Slipstek 42. D - 21129 Hamburg. e-mail: bchristiansen@uni-hamburg.de

Duin, W.E. van. Alterra. Postbus 167 NL - 1790 AD Den Burg. e-mail: w.e.vanduin@ibn.dlo.nl

Dijkema, K.S. Alterra. Postbus 167 NL - 1790 AD Den Burg. e-mail: k.s.dijkema@ibn.dlo.nl

Dijkhuizen, D. Rijksinstituut voor Kust en Zee (RIKZ). Postbus 207 NL - 9750 AE Haren. e-mail: d.dijkhuizen@rikz.rws.minvenw.nl

Enemark, J.A. Common Wadden Sea Secretariat (CWSS). Virchowstrasse 1. D - 26382 Wilhelmshaven. e-mail: enemark@cwss.whv.net

Essink, K. Rijksinstituut voor Kust en Zee (RIKZ). Postbus 207. NL - 9750 AE Haren. e-mail: K.Essink@rikz.rws.minvenw.nl

Fleet, D.M. Landesamt für den Nationalpark Schleswig-Holsteinisches Wattenmeer. Schloßgarten 1. D - 25832 Tönning. e-mail: npa.fleet@t-online.de

Frederiks, B. Rijksinstituut voor Kust en Zee (RIKZ). Postbus 207. NL - 9750 AE Haren. e-mail: B.Frederiks@rikz.rws.minvenw.nl

- Gätje, C. Landesamt für den Nationalpark Schleswig-Holsteinisches Wattenmeer. Schloßgarten 1. D - 25832 Tönning. e-mail npa.gaetje@t-online.de
- Herlyn, M. Terramare. Schleusenstr. 16. D - 26382 Wilhelmshaven. e-mail: mark.herlyn@terramare.de
- Hesse, K-J. Forschungs- u. Technologiezentrum Westküste (FTZ). Hafentörn. D - 25761 Büsum. e-mail: hesse@ftz-west.uni-kiel.de
- Hofstede, J.L.A. Ministerium für ländliche Räume, Landwirtschaft, Erholung und Tourismus (MIRLRT). Postfach 1131. D - 24100 Kiel. e-mail: jacobus.hofstede@landsh.de
- Jak, R. G. Instituut voor Toegepast Natuurwetenschappelijk Onderzoek (TNO). Postbus 57. NL - 1780 AB Den Helder. e-mail: R.Jak@mep.tno.nl
- Janssen, G. Rijksinstituut voor Kust en Zee (RIKZ). Postbus 207. NL - 9750 AE Haren. e-mail: g.m.janssen@rikz.rws.minvenw.nl
- Jong, F. de. Common Wadden Sea Secretariat (CWSS). Virchowstr. 1. D - 26382 Wilhelmshaven. e-mail: dejong@cwss.whv.net
- Jong, P.D. de. Saturnusstraat 21. NL - 1973 XD IJmuiden. e-mail: pdjong@allshare.nl
- Kastler, Th. ISPA, Hochschule Vechta. P.O. Box 1553. D-49364 Vechta. e-mail: thomas.kastler@gmx.de
- Knust, R. Alfred Wegener Institut (AWI). Postfach 120161. D - 27515 Bremerhaven. e-mail: rknust@awi-bremerhaven.de
- Kolbe, K. Niedersächsisches Landesamt für Ökologie, Forschungsstelle Küste (NLÖ-FSK). An der Mühle 5. D - 26548 Norderney. e-mail: hanslik.crs@t-online.de
- Kröncke, I. Forschungsinstitut Senckenberg. Schleusenstr. 39a. D - 26382 Wilhelmshaven. e-mail: Ingrid.Kroencke@sam.terramare.de
- Leopold, M. Alterra. Postbus 167. NL - 1790 AD Den Burg. e-mail: m.f.leopold@ibn.dlo.nl
- Leuchs, H. Bundesanstalt für Gewässerkunde. Postfach 200253. D - 56002 Koblenz. e-mail: leuchs@bafg.de
- Marencic, H. Common Wadden Sea Secretariat (CWSS). Virchowstr. 1. D - 26382 Wilhelmshaven. e-mail: marencic@cwss.whv.net
- Martens, P. Alfred Wegener Institut (AWI), Wattenmeerstation Sylt. Hafenstrasse 43. D - 25992 List/Sylt. e-mail: pmartens@awi-bremerhaven.de
- Michaelis, H. Niedersächsisches Landesamt für Ökologie, Forschungsstelle Küste (NLÖ-FSK). An der Mühle 5 D - 26548 Norderney. e-mail: info.crs@t-online.de
- Millat, G. Nationalparkverwaltung Niedersächsisches Wattenmeer. Virchowstr. 1. D - 26382 Wilhelmshaven. e-mail: gerald.millat@nlpv.terramare.de
- Nehls, G. Alte Landstrasse 2. D - 25875 Schobuell/Hockensbuell. e-mail: georg.nehls@t-online.de
- Nehring, S. Bundesanstalt für Gewässerkunde. Postfach 200253. D - 56002 Koblenz. e-mail: nehring@bafg.de
- Neudecker, Th. Bundesforschungsanst. für Fischerei, Institut für Seefischerei. Palmaille 9. D - 22767 Hamburg. e-mail: neudecker.ish@bfa-fisch.de

Neuhaus, R. Koldingstr. 9. D - 24105 Kiel. e-mail: rneuhaus@bot.uni-kiel.de

Pedersen, T.F. Industrikontoret Viborg Amt. Skottenborg 26. DK - 8800 Viborg. e-mail: mttfp@mt.vibamt.dk

Peletier, H. Rijksinstituut voor Kust en Zee (RIKZ). Postbus 207. NL - 9750 AE Haren. e-mail: H.Peletier@rikz.rws.minvenw.nl

Petersen, J. Schlegelstr. 5. 30625 Hannover. e-mail: petersen@mbox.geobotanic.uni-hannover.de

Rasmussen, L.M. Danmarks Miljøundersøgelser (DMU). Møllegade 12. DK - 6280 Højer. e-mail: lmr@dmu.dk

Reijnders, P.J.H. Alterra. Postbus 167 NL - 1790 AD Den Burg/Texel. e-mail: p.j.h.reijnders@ibn.dlo.nl

Reineking, B. Common Wadden Sea Secretaria (CWSS). Virchowstr. 1. D - 26382 Wilhelmshaven. e-mail: reineking@cwss.whv.net

Reise, K. Alfred Wegener Institut (AWI), Wattenmeerstation Sylt. Hafenstrasse 43. D 25992 List/Sylt. e-mail: kreise@awi-bremerhaven.de

Roomen, M. van. SOVON. Rijksstraatweg 178. NL - 6573 DG Beek-Ubbergen. e-mail: sovon@inter.NL.net

Rösner, H.U. WWF Projektbüro Wattenmeer. Norderstr. 3. D - 25813 Husum. e-mail: roesner@wwf.de

Ruth, M. Amt für ländliche Räume Kiel AST. 6 (Fischerei). Postfach 24028. D - 24148 Kiel. e-mail: Maarten.Ruth@Fischerei.ALR-Kiel.landsh.de

Sand Kristensen, P. Danmarks Fiskeriundersøgelser (DMU), Afd. for Havfiskeri. Charlottenlund Slot. DK - 2920 Charlottenlund. e-mail: Psk@dfu.min.dk

Schirmer, M. Institut für Ökologie und Evolutionsbiologie, Abt. Aquatische Ökologie, Universität Bremen FB 2. Postfach 33 04 40. D - 28334 Bremen. e-mail: schi@uni-bremen.de

Schmidt, H. Deutscher Wetterdienst, Geschäftsfeld Seeschifffahrt. Postfach 30 11 90. D - 20304 Hamburg. E-mail: heiner.schmidt@dwd.de

Schuchardt, B. Bioconsult. Lesumstraße 10. D 28759 Bremen. E-mail: schuchardt@bioconsult.de

Stock, M. Landesamt für den Nationalpark Schleswig-Holsteinisches Wattenmeer. Schloßgarten 1. D - 25832 Tönning. e-mail: npa.stock@t-online.de

Südbeck, P. Niedersächsisches Landesamt für Ökologie (NLÖ) Abt. 2 Naturschutz, Staatliche Vogelschutz-
zwarte. Göttingerstr. 14. D - 30449 Hannover. e-mail: peter.suedbeck@hg.nloe.niedersachsen.de

Vogel, R. SOVON. Rijksstraatweg 178. NL - 6573 DG Beek-Ubbergen. e-mail: sovon@inter.nl.net

Zeiss, B. Bioconsult. Lesumstr. 10. 28759 Bremen. e-mail Zeiss@bioconsult.de

