

**Publication list Dr. Jan Dierking (as of 06/2018)**

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**PUBLICATIONS IN PEER-REVIEWED JOURNALS**

- Hinrichsen, H.-H., von Dewitz, B., **Dierking, J.** (in press) Variability of advective connectivity in the Baltic Sea. *Journal of Marine Systems*.
- Petereit, C., Bekkevold, D., Nickel, S., **Dierking, J.**, Hantke, H., Hahn, A., Reusch, T., Puebla, O. (2018) Population genetic structure after 125 years of stocking in sea trout (*Salmo trutta* L.). *Conservation Genetics*. DOI: 10.1007/s10592-018-1083-6
- Reusch, T.B.H., **Dierking, J.**\*, Andersson, H.C., Bonsdorff, E., Carstensen, J., Casini, M., Czajkowski, M., Hasler, B., Hinsby, K., Hyytiäinen, K., Johannesson, K., Jomaa, S., Jormalainen, V., Kuosa, H., Kurland, S., Laikre, L., MacKenzie, B.R., Margonski, P., Melzner, F., Oesterwind, D., Ojaveer, H., Refsgaard, J.C., Sandström, A., Schwarz, G., Tonderski, K., Winder, M., Zandersen, M. (2018) The Baltic Sea as a time machine for the future coastal ocean. *Science Advances* 4. DOI: 10.1126/sciadv.aar8195
- Mion, M., Thorsen, A., Vitale, F., **Dierking, J.**, Herrmann, J.-P., Huwer, B., Dewitz, B.v., Casini, M. (2018) Effect of fish length and nutritional condition on the fecundity of a distressed Baltic Sea cod *Gadus morhua*. *Journal of Fish Biology* 92:1016-1034.
- Beer, S., Garm, A., Huwer, B., **Dierking, J.**, Nielsen, T.G. (2018) No increase in marine microplastic concentration over the last three decades - A case study from the Baltic Sea. *Science of The Total Environment* 621:1272-1279
- Star, B., Boessenkool, S., Gondek, A.T., Nikulina, E.A., Hufthammer, A.K., Pampoulie, C., Knutsen, H., Andre, C., Nistelberger, H.M., **Dierking, J.**, Petereit, C., Heinrich, D., Jakobsen, K.S., Stenseth, N.C., Jentoft, S., Barrett, J.H. (2017) Ancient DNA reveals the Arctic origin of Viking Age cod from Haithabu, Germany. *Proceedings of the National Academy of Sciences* 114:9152-9157
- Köster, F.W., Huwer, B., Hinrichsen, H.-H., Neumann, V., Makarchouk, A., Eero, M., von Dewitz, B., Hüseyin, K., Tomkiewicz, J., Margonski, P., Temming, A., Hermann, J.-P., Oesterwind, D., **Dierking, J.**, Kotterba, P., Plikshs, M. (2017). Eastern Baltic cod recruitment revisited - dynamics and impacting factors. *ICES Journal of Marine Science* 74:3-19.
- Javidpour, J., Cipriano-Maack, A.N., Mittermayr, A., **Dierking, J.** (2016) Temporal dietary shift in jellyfish revealed by stable isotope analysis. *Marine Biology* 163:1-9.

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\* Shared first authorship.

- Hinrichsen H-H., von Dewitz B., **Dierking J.**, Haslob H., Makarchouk A., Petereit C., Voss R. (2016). Oxygen depletion in coastal seas and the effective spawning stock biomass of an exploited fish species. *Royal Society Open Science* 3:1-14
- Dierking J.**, Phelps L, Präbel K, Ramm G, Prigge E, Borcharding J, Brunke M, Eizaguirre C (2014) Anthropogenic admixture between endangered migratory and commercially harvested stationary whitefish taxa (*Coregonus* spp.). *Evolutionary Applications* 7:1068-1083. <http://dx.doi.org/10.1111/eva.12166>
- Schubert, P., Karez, R., Reusch, TBH, **Dierking, J.** (2013). Isotopic signatures of eelgrass (*Zostera marina* L.) as bioindicator of anthropogenic nutrient input in the western Baltic Sea. *Marine Pollution Bulletin* 72:64-70. doi: 10.1016/j.marpolbul.2013.04.029
- Dierking, J.**, Morat F., Letourneur Y., and Harmelin-Vivien M. 2012. Fingerprints of lagoonal life: migration of the marine flatfish *Solea solea* assessed by stable isotopes and otolith microchemistry. *Estuarine, Coastal and Shelf Science* 104-105:23-32.
- Dierking, J.** and Meyer, A. 2011. Elevated size and body condition and altered feeding ecology of the introduced grouper *Cephalopholis argus*. *Marine Ecology Progress Series* 439: 203-212.
- Harmelin-Vivien, M., **J. Dierking**, D. Banaru, M.F. Fontaine & D. Arlhac. 2010. Seasonal variation of stable C and N isotope ratios of Rhone River inputs to the Mediterranean Sea (2004-2005). *Biogeochemistry* 100:139-150.
- Dierking, J.**, Wafo E., Schembri T., Lagadec V., Nicolas C., Letourneur Y., and Harmelin-Vivien M. 2009. Spatial patterns in PCBs, pesticides, mercury and cadmium in the common sole in the NW Mediterranean Sea, and a novel use of contaminants as biomarkers. *Marine Pollution Bulletin* 58:1605-1614.

#### **REPORTS AND NON-PEER REVIEWED SCIENTIFIC OUTPUT**

- Froese, R., **Dierking, J.**, Matz-Lück, N., Opitz, S., Quaas, M., Reusch, T. (2016) Warnung vor dem Zusammenbruch des Dorschbestandes in der westlichen Ostsee. World Wide Web electronic publication <http://oceanrep.geomar.de/34979/>
- Dierking, J.**, Hüsey, K., Laikre, L. 2015. Finding bridges between biodiversity research and ecosystem-based management. *BONUS in Brief* December 2015:2. (invited guest column)
- Dierking, J.** and Eizaguirre, C. 2012. Charakterisierung der Taxonomie, Populationsbiologie und des Wanderverhaltens des Nordseeschnäpels im Eider-Treene-System, Schleswig-Holstein. Bericht des F+E Projekts zwischen dem Landesamt für Landwirtschaft,

- Umwelt und ländliche Räume, Abt. Gewässer, und dem Helmholtz-Zentrum für Ozeanforschung (GEOMAR). 62 pp. (in German language).
- Dierking, J.** 2010. Charakterisierung der Ökologie und Genetik des Schnäpels (*Coregonus oxyrinchus L./maraena*) im Eider-Treenesystem, Schleswig-Holstein. Bericht des F+E Projekts zwischen dem Landesamt für Landwirtschaft, Umwelt und ländliche Räume, Abt. Gewässer, und dem Leibniz-Institut für Meereswissenschaften (IFM Geomar Kiel). 42 pp. (in German language).
- Kusumaatmadja, R., Parks J., Atkinson S., and **Dierking J.** 2004. Toward MAC certification of Hawaiian Islands aquarium fish collectors: a project update. SPC Life Reef Fish Information Bulletin 12:26-28.
- van Beukering, P., Cesar C., **Dierking J.**, and Atkinson, S. 2004. Recreational survey in selected Marine Managed Areas in the Main Hawaiian Islands. pp. 14, Cesar Environmental Economics Consulting, Arnhem, The Netherlands.
- Walsh, W. J., Cotton S. P., **Dierking J.**, and Williams I. D. 2003. The commercial marine aquarium fishery in Hawai'i 1976-2003. *In* Proceedings of a symposium on the status of Hawaii's coastal fisheries in the new millennium (Friedlander, A., ed.), pp. 132-159. The American Fisheries Society, Hawai'i Chapter, Honolulu, HI, USA.
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