

Erik Bonsdorff

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

7,230
citations

66343

42
h-index

62596

80
g-index

122
all docs

122
docs citations

122
times ranked

5939
citing authors

#	ARTICLE	IF	CITATIONS
1	Food web assessments in the Baltic Sea: Models bridging the gap between indicators and policy needs. <i>Ambio</i> , 2022, 51, 1687-1697.	5.5	7
2	Global climate change and the Baltic Sea ecosystem: direct and indirect effects on species, communities and ecosystem functioning. <i>Earth System Dynamics</i> , 2022, 13, 711-747.	7.1	28
3	Eutrophication: Early warning signals, ecosystem-level and societal responses, and ways forward. <i>Ambio</i> , 2021, 50, 753-758.	5.5	21
4	Disentangling temporal food web dynamics facilitates understanding of ecosystem functioning. <i>Journal of Animal Ecology</i> , 2021, 90, 1205-1216.	2.8	28
5	Identifying biotic drivers of population dynamics in a benthic pelagic community. <i>Ecology and Evolution</i> , 2021, 11, 4035-4045.	1.9	5
6	Impact of round goby on native invertebrate communities - An experimental field study. <i>Journal of Experimental Marine Biology and Ecology</i> , 2021, 541, 151571.	1.5	12
7	Factors regulating the coastal nutrient filter in the Baltic Sea. <i>Ambio</i> , 2020, 49, 1194-1210.	5.5	61
8	Habitat utilization and feeding ecology of small round goby in a shallow brackish lagoon. <i>Marine Biodiversity</i> , 2020, 50, 1.	1.0	10
9	Epibenthic megafauna communities in Northeast Greenland vary across coastal, continental shelf and slope habitats. <i>Polar Biology</i> , 2020, 43, 1623-1642.	1.2	7
10	Attuning to a changing ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20363-20371.	7.1	9
11	Ecological coherence of Marine Protected Areas: New tools applied to the Baltic Sea network. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 743-760.	2.0	25
12	Predation risk and competition affect habitat use of adult perch, <i>Perca fluviatilis</i> . <i>Journal of Fish Biology</i> , 2020, 96, 669-680.	1.6	2
13	Coastal habitats and their importance for the diversity of benthic communities: A species- and trait-based approach. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 226, 106272.	2.1	52
14	Exploring the temporal variability of a food web using long-term biomonitoring data. <i>Ecography</i> , 2019, 42, 2107-2121.	4.5	36
15	Brackish-Water Benthic Fauna Under Fluctuating Environmental Conditions: The Role of Eutrophication, Hypoxia, and Global Change. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	10
16	Baltic Sea: A Recovering Future From Decades of Eutrophication. , 2019, , 343-362.		24
17	Four decades of functional community change reveals gradual trends and low interlinkage across trophic groups in a large marine ecosystem. <i>Global Change Biology</i> , 2019, 25, 1235-1246.	9.5	32
18	Functional biodiversity of marine soft-sediment polychaetes from two Mediterranean coastal areas in relation to environmental stress. <i>Marine Environmental Research</i> , 2018, 137, 121-132.	2.5	32

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19	Competition for the fish " fish extraction from the Baltic Sea by humans, aquatic mammals, and birds. ICES Journal of Marine Science, 2018, 75, 999-1008.	2.5	94
20	The wicked ocean. Ambio, 2018, 47, 265-268.	5.5	2
21	Green tides on inter- and subtidal sandy shores: differential impacts on infauna and flatfish. Journal of the Marine Biological Association of the United Kingdom, 2018, 98, 699-712.	0.8	11
22	The food web positioning and trophic niche of the non-indigenous round goby: a comparison between two Baltic Sea populations. Hydrobiologia, 2018, 822, 111-128.	2.0	17
23	Response to comments by Heikinheimo et al. (in press) on Hansson et al. (2018): competition for the fish"fish extraction from the Baltic Sea by humans, aquatic mammals, and birds. ICES Journal of Marine Science, 2018, 75, 1837-1839.	2.5	3
24	The Baltic Sea as a time machine for the future coastal ocean. Science Advances, 2018, 4, eaar8195.	10.3	339
25	Trait-based predation suitability offers insight into effects of changing prey communities. PeerJ, 2018, 6, e5899.	2.0	5
26	The importance of benthic"pelagic coupling for marine ecosystem functioning in a changing world. Global Change Biology, 2017, 23, 2179-2196.	9.5	294
27	Deep soft seabeds. , 2017, , 359-385.		2
28	Organic enrichment simplifies marine benthic food web structure. Limnology and Oceanography, 2017, 62, 2179-2188.	3.1	12
29	Biodiversity, feeding habits and reproductive strategies of benthic macrofauna in a protected area of the northern Adriatic Sea: a three-year study. Mediterranean Marine Science, 2017, 18, 292.	1.6	9
30	Mesograzzer identity, not host algae, determines consumer stable isotope ratios. Marine Biology Research, 2016, 12, 186-192.	0.7	7
31	Seasonal shifts in the vertical distribution of fish in a shallow coastal area. ICES Journal of Marine Science, 2016, 73, 2278-2287.	2.5	3
32	Regime shifts in marine communities: a complex systems perspective on food web dynamics. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152569.	2.6	41
33	Maintained functional diversity in benthic communities in spite of diverging functional identities. Oikos, 2016, 125, 1421-1433.	2.7	43
34	Novel biodiversity baselines outpace models of fish distribution in Arctic waters. Die Naturwissenschaften, 2016, 103, 8.	1.6	30
35	Opportunistic basal resource simplifies food web structure and functioning of a highly dynamic marine environment. Journal of Experimental Marine Biology and Ecology, 2016, 477, 92-102.	1.5	34
36	The Role of Drifting Algae for Marine Biodiversity. , 2016, , 100-123.		8

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37	Context-dependent consequences of <i>Marenzelleria</i> spp. (Spionidae: Polychaeta) invasion for nutrient cycling in the Northern Baltic Sea. <i>Oceanologia</i> , 2015, 57, 342-348.	2.2	25
38	Seasonal small-scale variation in distribution among depth zones in a coastal Baltic Sea fish assemblage. <i>ICES Journal of Marine Science</i> , 2015, 72, 2374-2384.	2.5	11
39	Connecting the Seas of Norden. <i>Nature Climate Change</i> , 2015, 5, 89-92.	18.8	25
40	Impact of eutrophication and climate change on fish and zoobenthos in coastal waters of the Baltic Sea. <i>Marine Biology</i> , 2015, 162, 141-151.	1.5	55
41	Effects of macroalgal accumulations on the variability in zoobenthos of high-energy macrotidal sandy beaches. <i>Marine Ecology - Progress Series</i> , 2015, 522, 97-114.	1.9	32
42	Baltic Sea ecosystem-based management under climate change: Integrating social and ecological perspectives. <i>Ambio</i> , 2015, 44, 333-334.	5.5	3
43	Environmental context and trophic trait plasticity in a key species, the tellinid clam <i>Macoma balthica</i> L.. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 472, 32-40.	1.5	16
44	Nestedness of trophic links and biological traits in a marine food web. <i>Ecosphere</i> , 2015, 6, 1-14.	2.2	26
45	Large-scale effects of green tides on macrotidal sandy beaches: Habitat-specific responses of zoobenthos. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 164, 379-391.	2.1	23
46	Marine benthic ecological functioning over decreasing taxonomic richness. <i>Journal of Sea Research</i> , 2015, 98, 49-56.	1.6	63
47	Long-term progression and drivers of coastal zoobenthos in a changing system. <i>Marine Ecology - Progress Series</i> , 2015, 528, 141-159.	1.9	20
48	Food web positioning of a recent coloniser: the North American Harris mud crab <i>Rhithropanopeus harrisi</i> (Gould, 1841) in the northern Baltic Sea. <i>Aquatic Invasions</i> , 2015, 10, 399-413.	1.6	13
49	Hypoxia in the Baltic Sea: Biogeochemical Cycles, Benthic Fauna, and Management. <i>Ambio</i> , 2014, 43, 26-36.	5.5	158
50	Fauna of the green alga <i>Cladophora glomerata</i> in the Baltic Sea: density, diversity, and algal decomposition stage. <i>Marine Biology</i> , 2013, 160, 2353-2362.	1.5	24
51	Long-term changes in coastal zoobenthos in the northern Baltic Sea: the role of abiotic environmental factors. <i>ICES Journal of Marine Science</i> , 2013, 70, 440-451.	2.5	46
52	Coastal Habitats as Surrogates for Taxonomic, Functional and Trophic Structures of Benthic Faunal Communities. <i>PLoS ONE</i> , 2013, 8, e78910.	2.5	36
53	Developing the multitrait concept for functional diversity: lessons from a system rich in functions but poor in species. <i>Ecological Applications</i> , 2012, 22, 2221-2236.	3.8	86
54	Modelling macrofaunal biomass in relation to hypoxia and nutrient loading. <i>Journal of Marine Systems</i> , 2012, 105-108, 60-69.	2.1	41

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55	A welcome can of worms? Hypoxia mitigation by an invasive species. <i>Global Change Biology</i> , 2012, 18, 422-434.	9.5	148
56	Drifting filamentous algal mats disturb sediment fauna: Impacts on macro- and meiofaunal interactions. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 420-421, 77-90.	1.5	33
57	Hypoxia Is Increasing in the Coastal Zone of the Baltic Sea. <i>Environmental Science & Technology</i> , 2011, 45, 6777-6783.	10.0	364
58	Ichnological trends along an open-water transect across a large marginal-marine epicontinental basin, the modern Baltic Sea. <i>Sedimentary Geology</i> , 2011, 241, 40-51.	2.1	30
59	Structural and functional shifts in zoobenthos induced by organic enrichment – Implications for community recovery potential. <i>Journal of Sea Research</i> , 2011, 65, 8-18.	1.6	55
60	Zoobenthos as an environmental quality element: the ecological significance of sampling design and functional traits. <i>Marine Ecology</i> , 2011, 32, 58-71.	1.1	32
61	Scale-dependent distribution of soft-bottom infauna and possible structuring forces in low diversity systems. <i>Marine Ecology - Progress Series</i> , 2011, 426, 13-28.	1.9	20
62	Biomass, diversity and production of rocky shore macroalgae at two nutrient enrichment and wave action levels. <i>Marine Biology</i> , 2010, 157, 29-47.	1.5	65
63	Invertebrate dispersal and habitat heterogeneity: Expression of biological traits in a seagrass landscape. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 390, 106-117.	1.5	70
64	A neighbour is a neighbour? Consumer diversity, trophic function, and spatial variability in benthic food webs. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 391, 101-111.	1.5	20
65	Thiaminase Activity of Crucian Carp <i>Carassius carassius</i> Injected with a Bacterial Fish Pathogen, <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> . <i>Journal of Aquatic Animal Health</i> , 2009, 21, 217-228.	1.4	13
66	The spreading of eutrophication in the eastern coast of the Gulf of Bothnia, northern Baltic Sea – An analysis in time and space. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 152-160.	2.1	32
67	Tackling Hypoxia in the Baltic Sea: Is Engineering a Solution?. <i>Environmental Science & Technology</i> , 2009, 43, 3407-3411.	10.0	95
68	Hypoxia-Related Processes in the Baltic Sea. <i>Environmental Science & Technology</i> , 2009, 43, 3412-3420.	10.0	470
69	Temporal variability of a benthic food web: patterns and processes in a low-diversity system. <i>Marine Ecology - Progress Series</i> , 2009, 378, 13-26.	1.9	42
70	The Impact of Benthic Macrofauna for Nutrient Fluxes from Baltic Sea Sediments. <i>Ambio</i> , 2007, 36, 161-167.	5.5	102
71	Zoobenthos as Indicators of Ecological Status in Coastal Brackish Waters: A Comparative Study from the Baltic Sea. <i>Ambio</i> , 2007, 36, 250-256.	5.5	43
72	The Effect of Spatial and Temporal Heterogeneity on the Design and Analysis of Empirical Studies of Scale-Dependent Systems. <i>American Naturalist</i> , 2007, 169, 398-408.	2.1	151

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73	Importance of functional biodiversity and species-specific traits of benthic fauna for ecosystem functions in marine sediment. <i>Marine Ecology - Progress Series</i> , 2007, 332, 11-23.	1.9	187
74	Infaunal responses to seagrass habitat structure: A study of life-history traits and population dynamics of <i>Corophium volutator</i> (Pallas). <i>Marine Biology Research</i> , 2006, 2, 398-410.	0.7	6
75	Drifting Algae as a means of Re-Colonizing Defaunated Sediments in the Baltic Sea. A Short-Term Microcosm Study. <i>Hydrobiologia</i> , 2006, 554, 83-95.	2.0	30
76	The impact of infauna (<i>Nereis diversicolor</i> and <i>Saduria entomon</i>) on the redistribution and biomass of macroalgae on marine soft bottoms. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 333, 58-70.	1.5	17
77	Zoobenthic diversity-gradients in the Baltic Sea: Continuous post-glacial succession in a stressed ecosystem. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 330, 383-391.	1.5	185
78	A multivariate assessment of coastal eutrophication. Examples from the Gulf of Finland, northern Baltic Sea. <i>Marine Pollution Bulletin</i> , 2005, 50, 1185-1196.	5.0	43
79	Life in the fast lane: macrobenthos use temporary drifting algal habitats. <i>Journal of Sea Research</i> , 2005, 53, 169-180.	1.6	47
80	Effects of depth, sediment and grazers on the degradation of drifting filamentous algae (<i>Cladophora</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 93-109.	1.5	37
81	Baltic Sea eutrophication: area-specific ecological consequences. <i>Hydrobiologia</i> , 2004, 514, 227-241.	2.0	110
82	Long-term changes in macrozoobenthos in the Åland archipelago, northern Baltic Sea. <i>Journal of Sea Research</i> , 2004, 52, 45-56.	1.6	54
83	Baltic Sea eutrophication: area-specific ecological consequences. , 2004, , 227-241.		29
84	Seasonal and inter-annual variation in occurrence and biomass of rooted macrophytes and drift algae in shallow bays. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 56, 1167-1175.	2.1	66
85	Temporal and Spatial Large-Scale Effects of Eutrophication and Oxygen Deficiency on Benthic Fauna in Scandinavian and Baltic Waters – a Review. <i>Oceanography and Marine Biology</i> , 2002, , 427-489.	1.0	64
86	Small-scale spatial structure of Baltic Sea zoobenthos – inferring processes from patterns. <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 281, 123-136.	1.5	39
87	Long-term Changes of a Brackish-water Eelgrass (<i>Zostera marina</i> L.) Community Indicate Effects of Coastal Eutrophication. <i>Estuarine, Coastal and Shelf Science</i> , 2002, 55, 795-804.	2.1	60
88	Some ecological properties in relation to eutrophication in the Baltic Sea. <i>Hydrobiologia</i> , 2002, 475/476, 371-377.	2.0	54
89	Changes in zoobenthic community structure after pollution abatement from fish farms in the Archipelago Sea (N. Baltic Sea). <i>Marine Environmental Research</i> , 2001, 51, 229-245.	2.5	30
90	Giving Advice on Cost Effective Measures for a Cleaner Baltic Sea: A Challenge for Science. <i>Ambio</i> , 2001, 30, 254-259.	5.5	35

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91	Drifting algal mats as an alternative habitat for benthic invertebrates: Journal of Experimental Marine Biology and Ecology, 2000, 248, 79-104.	1.5	200
92	Zoobenthic community establishment and habitat complexity-the importance of seagrass shoot-density, morphology and physical disturbance for faunal recruitment. Marine Ecology - Progress Series, 2000, 205, 123-138.	1.9	140
93	Variation in the sublittoral macrozoobenthos of the Baltic Sea along environmental gradients: A functional-group approach. Austral Ecology, 1999, 24, 312-326.	1.5	172
94	Juvenile flounder, <i>Platichthys flesus</i> (L.), under hypoxia: effects on tolerance, ventilation rate and predation efficiency. Journal of Experimental Marine Biology and Ecology, 1999, 242, 75-93.	1.5	41
95	Predation by juvenile flounder (<i>Platichthys flesus</i> L.): a test of prey vulnerability, predator preference, switching behaviour and functional response. Journal of Experimental Marine Biology and Ecology, 1998, 227, 221-236.	1.5	40
96	The relative impact of physical disturbance and predation by <i>Crangon crangon</i> on population density in <i>Capitella capitata</i> : An experimental study. Ophelia, 1997, 46, 1-10.	0.3	11
97	Community structure and spatial variation of benthic invertebrates associated with <i>Zostera marina</i> (L.) beds in the northern Baltic Sea. Journal of Sea Research, 1997, 37, 153-166.	1.6	224
98	Coastal eutrophication: Causes, consequences and perspectives in the Archipelago areas of the northern Baltic Sea. Estuarine, Coastal and Shelf Science, 1997, 44, 63-72.	2.1	235
99	Temporal and spatial variation of dominant pelagic Copepoda (Crustacea) in the Weddell Sea (Southern Ocean) 1929 to 1993. Polar Biology, 1997, 18, 280-291.	1.2	10
100	Passing the gut of juvenile flounder, <i>Platichthys flesus</i> : differential survival of zoobenthic prey species. Marine Biology, 1997, 129, 11-14.	1.5	40
101	Effects of predation and oxygen deficiency on different age classes of the amphipod <i>Monoporeia affinis</i> . Journal of Sea Research, 1996, 35, 345-351.	1.6	11
102	Food and feeding habits of juvenile flounder <i>Platichthys flesus</i> (L.), and turbot <i>Scophthalmus maximus</i> L. in the Åland archipelago, northern Baltic Sea. Journal of Sea Research, 1996, 36, 311-320.	1.6	97
103	Altered Benthic Prey Availability Due to Episodic Oxygen Deficiency Caused by Drifting Algal Mats. Marine Ecology, 1996, 17, 355-372.	1.1	81
104	The Effects of Reduced Oxygen Content on Predation and Siphon Cropping by the Brown Shrimp, <i>Crangon crangon</i> . Marine Ecology, 1996, 17, 411-423.	1.1	18
105	Rapid zoobenthic community responses to accumulations of drifting algae. Marine Ecology - Progress Series, 1996, 131, 143-157.	1.9	189
106	Population responses of coastal zoobenthos to stress induced by drifting algal mats. Marine Ecology - Progress Series, 1996, 140, 141-151.	1.9	160
107	Characterization of soft-bottom benthic habitats of the Åland Islands, northern Baltic Sea. Marine Ecology - Progress Series, 1996, 142, 235-245.	1.9	34
108	Structuring zoobenthos: the importance of predation, siphon cropping and physical disturbance. Journal of Experimental Marine Biology and Ecology, 1995, 192, 125-144.	1.5	51

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109	Seasonal variation in abundance and diet of the sand goby <i>Pomatoschistus minutus</i> (Pallas) in a northern Baltic archipelago. <i>Ophelia</i> , 1993, 37, 19-30.	0.3	46
110	Effect of the abundance of three predominating copepod species on adequate sample volume and sample size in Bransfield Strait (Antarctic Peninsula) and waters north of the Weddell Sea. <i>Polar Biology</i> , 1992, 12, 679.	1.2	1
111	Drifting algae and zoobenthos " Effects on settling and community structure. <i>Journal of Sea Research</i> , 1992, 30, 57-62.	1.0	112
112	Temporal and Spatial Variability of Zoobenthic Communities in Archipelago Waters of the Northern Baltic Sea-Consequences of Eutrophication?. <i>International Review of Hydrobiology</i> , 1991, 76, 433-449.	0.6	24
113	Fish predation and habitat complexity: are complexity thresholds real?. <i>Journal of Experimental Marine Biology and Ecology</i> , 1990, 141, 183-194.	1.5	89
114	Ecosystem Variability and Gradients. Examples from the Baltic Sea as a Background for Hazard Assessment. <i>Springer Series on Environmental Management</i> , 1989, , 6-58.	0.3	29
115	Predation as a mechanism of interference within infauna in shallow brackish water soft bottoms; experiments with an infauna predator, <i>Nereis diversicolor</i> O.F. MÅller. <i>Journal of Experimental Marine Biology and Ecology</i> , 1988, 116, 143-157.	1.5	76
116	Appetite and food consumption in the sea urchin <i>Echinus esculantes</i> L.. <i>Sarsia</i> , 1983, 68, 25-27.	0.5	7
117	Effects of experimental oil exposure on the fauna associated with <i>Corallina officinalis</i> L. in intertidal rock pools. <i>Sarsia</i> , 1983, 68, 149-155.	0.5	15
118	The use of the log-normal distribution of individuals among species in monitoring zoobenthos in the northern Baltic archipelago. <i>Marine Pollution Bulletin</i> , 1982, 13, 324-327.	5.0	6
119	The Antonio Gramsci oil spill Impact on the littoral and benthic ecosystems. <i>Marine Pollution Bulletin</i> , 1981, 12, 301-305.	5.0	34
120	Fate and effects of Ekofisk crude oil in the littoral of a Norwegian fjord. <i>Sarsia</i> , 1981, 66, 231-240.	0.5	16
121	A conceptual framework for marine biodiversity and ecosystem functioning. <i>Marine Ecology</i> , 0, 28, 134-145.	1.1	82
122	Eutrophication and hypoxia: impacts of nutrient and organic enrichment. , 0, , 202-243.		3