Thorsten Blenckner

List of Publications by Year
in descending order

96 papers	5,210 citations	87888 38 h-index	95266 68 g-index
96 all docs	96 docs citations	96 times ranked	6936 citing authors

#	Article	IF	Citations
1	Reconstructing the Development of Baltic Sea Eutrophication 1850â€“2006. Ambio, 2012, 41, 534-548.	5.5	313
2	The importance of benthicâ€“pelagic coupling for marine ecosystem functioning in a changing world. Global Change Biology, 2017, 23, 2179-2196.	9.5	294
3	Changes of the plankton spring outburst related to the North Atlantic Oscillation. Limnology and Oceanography, 1999, 44, 1788-1792.	3.1	231
4	Largeâ€scale climatic signatures in lakes across Europe: a metaâ€analysis. Global Change Biology, 2007, 13, 1314-1326.	9.5	209
5	Confronting Feedbacks of Degraded Marine Ecosystems. Ecosystems, 2012, 15, 695-710.	3.4	179
6	CO₂ supersaturation along the aquatic conduit in Swedish watersheds as constrained by terrestrial respiration, aquatic respiration and weathering. Global Change Biology, 2010, 16, 1966-1978.	9.5	177
7	Regional and local impact on species diversity â€“ from pattern to processes. Oecologia, 2002, 132, 479-491.	2.0	175
8	Paleolimnological evidence of the effects on lakes of energy and mass transfer from climate and humans. Limnology and Oceanography, 2009, 54, 2330-2348.	3.1	163
9	Marine regime shifts: drivers and impacts on ecosystems services. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130273.	4.0	153
10	Principles for managing marine ecosystems prone to tipping points. Ecosystem Health and Sustainability, 2015, 1, 1-18.	3.1	150
11	A conceptual model of climate-related effects on lake ecosystems. Hydrobiologia, 2005, 533, 1-14.	2.0	145
12	Junkâ€food in marine ecosystems. Oikos, 2008, 117, 967-977.	2.7	138
13	A holistic view of marine regime shifts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130279.	4.0	131
14	Twenty years of spatially coherent deepwater warming in lakes across Europe related to the North Atlantic Oscillation. Limnology and Oceanography, 2006, 51, 2787-2793.	3.1	122
15	Comparing reconstructed past variations and future projections of the Baltic Sea ecosystemâ€"first results from multi-model ensemble simulations. Environmental Research Letters, 2012, 7, 034005.	5.2	116
16	Making the ecosystem approach operationalâ€"Can regime shifts in ecological- and governance systems facilitate the transition?. Marine Policy, 2010, 34, 1290-1299.	3.2	99
17	Combined effects of global climate change and regional ecosystem drivers on an exploited marine food web. Global Change Biology, 2013, 19, 3327-3342.	9.5	99
18	Predator transitory spillover induces trophic cascades in ecological sinks. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8185-8189.	7.1	98

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19	Implementing ecosystem-based fisheries management: from single-species to integrated ecosystem assessment and advice for Baltic Sea fish stocks. ICES Journal of Marine Science, 2014, 71, 1187-1197.	2.5	92
20	Species-Specific Alkaline Phosphatase Activity in Freshwater Spring Phytoplankton: Application of a Novel Method. Journal of Plankton Research, 2001, 23, 435-443.	1.8	91
21	Biological ensemble modeling to evaluate potential futures of living marine resources. Ecological Applications, 2013, 23, 742-754.	3.8	89
22	Lake phosphorus dynamics and climate warming: A mechanistic model approach. Ecological Modelling, 2006, 190, 1-14.	2.5	84
23	Ecosystem flow dynamics in the Baltic Properâ€"Using a multi-trophic dataset as a basis for foodâ€"web modelling. Ecological Modelling, 2012, 230, 123-147.	2.5	80
24	Title is missing!. , 2002, 64, 171-184.		77
25	North Atlantic Oscillation signatures in aquatic and terrestrial ecosystems-a meta-analysis. Global Change Biology, 2002, 8, 203-212.	9.5	71
26	Baltic Sea management: Successes and failures. Ambio, 2015, 44, 335-344.	5.5	68
27	Ecological Network Indicators of Ecosystem Status and Change in the Baltic Sea. PLoS ONE, 2013, 8, e75439.	2.5	66
28	The quiet crossing of ocean tipping points. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	64
29	Seasonality of chlorophyll and nutrients in Lake Erken â€" effects of weather conditions. Hydrobiologia, 2003, 506-509, 75-81.	2.0	62
30	An empirical model of the Baltic Sea reveals the importance of social dynamics for ecological regime shifts. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11120-11125.	7.1	62
31	Nitrateâ€depleted conditions on the increase in shallow northern European lakes. Limnology and Oceanography, 2007, 52, 1346-1353.	3.1	61
32	A quantitative framework for selecting and validating food web indicators. Ecological Indicators, 2018, 84, 619-631.	6.3	53
33	Analysis of trophic networks and carbon flows in south-eastern Baltic coastal ecosystems. Progress in Oceanography, 2009, 81, 111-131.	3.2	52
34	Climate and fishing steer ecosystem regeneration to uncertain economic futures. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142809.	2.6	52
35	Processes for the sustainable stewardship of marine environments. Ecological Economics, 2016, 128, 55-67.	5.7	52
36	Impact of Climate Change on Fish Population Dynamics in the Baltic Sea: A Dynamical Downscaling Investigation. Ambio, 2012, 41, 626-636.	5.5	48

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37	Nutrient reduction and climate change cause a potential shift from pelagic to benthic pathways in a eutrophic marine ecosystem. Global Change Biology, 2012, 18, 3491-3503.	9.5	44
38	Maintained functional diversity in benthic communities in spite of diverging functional identities. Oikos, 2016, 125, 1421-1433.	2.7	43
39	Phytoplankton modelling of Lake Erken, Sweden by linking the models PROBE and PROTECH. Ecological Modelling, 2007, 202, 421-426.	2.5	41
40	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
41	Operationalizing Ocean Health: Toward Integrated Research on Ocean Health and Recovery to Achieve Ocean Sustainability. One Earth, 2020, 2, 557-565.	6.8	40
42	Comparison of the impact of regional and North Atlantic atmospheric circulation on an aquatic ecosystem. Climate Research, 2003, 23, 131-136.	1.1	34
43	The Impact of the Changing Climate on the Thermal Characteristics of Lakes. , 2009, , 85-101.		32
44	Uncertainties in a Baltic Sea Food-Web Model Reveal Challenges for Future Projections. Ambio, 2012, 41, 613-625.	5.5	29
45	Fishing strategy diversification and fishers' ecological dependency. Ecology and Society, 2018, 23, .	2.3	27
46	Lake Ice Phenology. , 2010, , 51-61.		27
47	The Impact of Variations in the Climate on Seasonal Dynamics of Phytoplankton. , 2010, , 253-274.		26
48	Ten new insights in climate science 2021: a horizon scan. Global Sustainability, 2021, 4, .	3.3	26
49	Governing complexity: Integrating science, governance, and law to manage accelerating change in the globalized commons. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
50	Reference state, structure, regime shifts, and regulatory drivers in a coastal sea over the last century: The Central Baltic Sea case. Limnology and Oceanography, 2022, 67, .	3.1	24
51	New, general methods to define the depth separating surface water from deep water, outflow and internal loading for mass-balance models for lakes. Ecological Modelling, 2004, 175, 339-352.	2.5	22
52	Regional and Supra-Regional Coherence in Limnological Variables. , 2010, , 311-337.		22
53	The Baltic Health Index (BHI): Assessing the socialâ€“ecological status of the Baltic Sea. People and Nature, 2021, 3, 359-375.	3.7	21
54	The influence of calcium on the chlorophyllâ€“phosphorus relationship and lake Secchi depths. Hydrobiologia, 2005, 537, 111-123.	2.0	20

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55	Coping with persistent environmental problems: systemic delays in reducing eutrophication of the Baltic Sea. Ecology and Society, 2014, 19, .	2.3	20
56	Long-term progression and drivers of coastal zoobenthos in a changing system. Marine Ecology - Progress Series, 2015, 528, 141-159.	1.9	20
57	A review on operational bioindicators for sustainable coastal managementâ€"Criteria, motives and relationships. Ocean and Coastal Management, 2008, 51, 43-72.	4.4	19
58	Physical and chemical properties determine zebra mussel invasion success in lakes. Hydrobiologia, 2011, 669, 227-236.	2.0	19
59	Costly stakeholder participation creates inertia in marine ecosystems. Marine Policy, 2017, 76, 122-129.	3.2	19
60	The importance of transient social dynamics for restoring ecosystems beyond ecological tipping points. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2717-2722.	7.1	19
61	Operational Effect Variables and Functional Ecosystem Classifications â€" a Review on Empirical Models for Aquatic Systems along a Salinity Gradient. International Review of Hydrobiology, 2007, 92, 326-357.	0.9	18
62	An automated method to monitor lake ice phenology. Limnology and Oceanography: Methods, 2011, 9, 74-83.	2.0	18
63	Life Cycle Dynamics of a Key Marine Species Under Multiple Stressors. Frontiers in Marine Science, 2020, 7, .	2.5	18
64	Global connectivity and cross-scale interactions create uncertainty for Blue Growth of Arctic fisheries. Marine Policy, 2018, 87, 321-330.	3.2	17
65	Zooming in on size distribution patterns underlying species coexistence in Baltic Sea phytoplankton. Ecology Letters, 2014, 17, 1219-1227.	6.4	15
66	The rise of novelty in marine ecosystems: The Baltic Sea case. Global Change Biology, 2021, 27, 1485-1499.	9.5	14
67	Environmental Impactsâ€"Lake Ecosystems. Regional Climate Studies, 2016, , 315-340.	1.2	14
68	Failures to disagree are essential for environmental science to effectively influence policy development. Ecology Letters, 2022, , .	6.4	14
69	Modeling Socialâ€"Ecological Scenarios in Marine Systems. BioScience, 2013, 63, 735-744.	4.9	13
70	Baltic Sea ecosystem-based management under climate change: Synthesis and future challenges. Ambio, 2015, 44, 507-515.	5.5	13
71	Common Guillemot <i>Uria aalge</i> parents adjust provisioning rates to compensate for low food quality. Ibis, 2016, 158, 167-178.	1.9	13
72	Prediction of a complex system with few data: Evaluation of the effect of model structure and amount of data with dynamic bayesian network models. Environmental Modelling and Software, 2019, 118, 281-297.	4.5	13

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73	The Impact of Climate Change on Lakes in Northern Europe. , 2010, , 339-358.		13
74	Climate-related Change in Terrestrial and Freshwater Ecosystems. , 2008, , 221-308.		12
75	Beauty is in the eye of the beholder: management of Baltic cod stock requires an ecosystem approach. Marine Ecology - Progress Series, 2011, 431, 293-297.	1.9	12
76	Past and future challenges in managing European seas. Ecology and Society, 2015, 20, .	2.3	11
77	Models as tools for understanding past, recent and future changes in large lakes. Hydrobiologia, 2008, 599, 177-182.	2.0	10
78	Integrating diverse model results into decision support for good environmental status and blue growth. Science of the Total Environment, 2022, 806, 150450.	8.0	10
79	Trophic Interactions, Management Trade-Offs and Climate Change: The Need for Adaptive Thresholds to Operationalize Ecosystem Indicators. Frontiers in Marine Science, 2019, 6, .	2.5	9
80	Attuning to a changing ocean. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20363-20371.	7.1	9
81	Environmental Impactsâ€"Marine Ecosystems. Regional Climate Studies, 2015, , 363-380.	1.2	8
82	Mapping and Evaluating Marine Protected Areas and Ecosystem Services: A Transdisciplinary Delphi Forecasting Process Framework. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	8
83	The Impact of the Changing Climate on the Supply and Recycling of Nitrate. , 2010, , 161-178.		7
84	The Impact of the Changing Climate on the Supply and Re-Cycling of Phosphorus. , 2010, , 121-137.		7
85	Can nitrogen gas be deficient for nitrogen fixation in lakes?. Ecological Modelling, 2007, 202, 362-372.	2.5	5
86	The Risk for Novel and Disappearing Environmental Conditions in the Baltic Sea. Frontiers in Marine Science, 2021, 8, .	2.5	5
87	The Influence of Changes in the Atmospheric Circulation on the Surface Temperature of Lakes. , 2010, , 293-310.		5
88	Predicting particulate pools of nitrogen, phosphorus and organic carbon in lakes. Aquatic Sciences, 2007, 69, 484-494.	1.5	4
89	Biodiversity â€" Marine Food-Web Structure, Stability, and Regime Shifts. , 2013, , 203-212.		4
90	Is Diversity the Missing Link in Coastal Fisheries Management?. Diversity, 2022, 14, 90.	1.7	4

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91	Organizational responsiveness: The case of unfolding crises and problem detection within HELCOM. Marine Policy, 2016, 70, 49-57.	3.2	3
92	Modeling the Effects of Climate Change on the Seasonal Dynamics of Phytoplankton. , 2010, , 275-292.		3
93	Quantifying socioâ€economic novelty in fisheries socialâ€ecological systems. Fish and Fisheries, 2022, 23, 445-461.	5.3	3
94	Advancing ideas, methods in interdisciplinary climate change research for New Ph.D.s. Eos, 2003, 84, 314.	0.1	1
95	Environmental Impactsâ€"Freshwater Biogeochemistry. Regional Climate Studies, 2015, , 307-336.	1.2	1
96	Models as tools for understanding past, recent and future changes in large lakes. , 2007, , 177-182.		0