Michael W Beck

List of Publications by Year
in descending order

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86 papers	11,420 citations	50276 46 h-index	58581 82 g-index
88 all docs	88 docs citations	88 times ranked	11381 citing authors

#	Article	IF	Citations
1	How Much Marsh Restoration Is Enough to Deliver Wave Attenuation Coastal Protection Benefits?. Frontiers in Marine Science, 2022, 8, .	2.5	2
2	Return on investment for mangrove and reef flood protection. Ecosystem Services, 2022, 56, 101440.	5.4	13
3	Emerging Solutions to Return Nature to the Urban Ocean. Annual Review of Marine Science, 2021, 13, 445-477.	11.6	69
4	Shoreline Solutions: Guiding Efficient Data Selection for Coastal Risk Modeling and the Design of Adaptation Interventions. Water (Switzerland), 2021, 13, 875.	2.7	1
5	The value of US coral reefs for flood risk reduction. Nature Sustainability, 2021, 4, 688-698.	23.7	41
6	Ecosystem Services: Delivering Decision-Making for Salt Marshes. Estuaries and Coasts, 2021, 44, 1691-1698.	2.2	28
7	Designing a blueprint for coral reef survival. Biological Conservation, 2021, 257, 109107.	4.1	82
8	Storm risk and marine fisheries: a global assessment. Marine Policy, 2021, 132, 104698.	3.2	7
9	Resistance, resilience, and recovery of salt marshes in the Florida Panhandle following Hurricane Michael. Scientific Reports, 2021, 11, 20381.	3.3	8
10	Financing coastal resilience by combining nature-based risk reduction with insurance. Ecological Economics, 2020, 169, 106487.	5.7	49
11	Designing effective incentives for living shorelines as a habitat conservation strategy along residential coasts. Conservation Letters, 2020, 13, e12744.	5.7	15
12	Challenges for Restoration of Coastal Marine Ecosystems in the Anthropocene. Frontiers in Marine Science, 2020, 7, .	2.5	60
13	Fisheries rely on threatened salt marshes. Science, 2020, 370, 670-671.	12.6	33
14	The Global Flood Protection Benefits of Mangroves. Scientific Reports, 2020, 10, 4404.	3.3	201
15	Research Priorities for Achieving Healthy Marine Ecosystems and Human Communities in a Changing Climate. Frontiers in Marine Science, 2020, 7, .	2.5	39
16	Assessing the effects of using high-quality data and high-resolution models in valuing flood protection services of mangroves. PLoS ONE, 2019, 14, e0220941.	2.5	11
17	The Risk Reduction Benefits of the Mesoamerican Reef in Mexico. Frontiers in Earth Science, 2019, 7, .	1.8	32
18	Coastal habitat squeeze: A review of adaptation solutions for saltmarsh, mangrove and beach habitats. Ocean and Coastal Management, 2019, 175, 180-190.	4.4	61

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19	AreÂcoastal habitats important nurseries? A metaâ€analysis. Conservation Letters, 2019, 12, e12645.	5.7	177
20	A Waterfront View of Coastal Hazards: Contextualizing Relationships among Geographic Exposure, Shoreline Type, and Hazard Concerns among Coastal Residents. Sustainability, 2019, 11, 6687.	3.2	15
21	Species recovery and recolonization of past habitats: lessons for science and conservation from sea otters in estuaries. PeerJ, 2019, 7, e8100.	2.0	16
22	Small-scale seagrass fisheries can reduce social vulnerability: a comparative case study. Ocean and Coastal Management, 2018, 157, 56-67.	4.4	21
23	Coral reefs for coastal protection: A new methodological approach and engineering case study in Grenada. Journal of Environmental Management, 2018, 210, 146-161.	7.8	98
24	Valuing the protection services of mangroves at national scale: The Philippines. Ecosystem Services, 2018, 34, 24-36.	5.4	45
25	Comparing the cost effectiveness of nature-based and coastal adaptation: A case study from the Gulf Coast of the United States. PLoS ONE, 2018, 13, e0192132.	2.5	138
26	An attainable global vision for conservation and human wellâ€being. Frontiers in Ecology and the Environment, 2018, 16, 563-570.	4.0	71
27	Assessing the performance of natural and nature based defences. , 2018, , .		3
28	The global flood protection savings provided by coral reefs. Nature Communications, 2018, 9, 2186.	12.8	204
29	Avoiding a crisis of motivation for ocean management under global environmental change. Global Change Biology, 2017, 23, 4483-4496.	9.5	21
30	Uniendo ingenierÃa y ecologÃa: la protecciÃ³n costera basada en ecosistemas. Ribagua, 2017, 4, 41-58.	0.3	4
31	Bridging the Gap between Engineering and Ecology: Towards a Common Framework for Conventional and Nature-Based Coastal Defenses. , 2017, , .		0
32	The Value of Coastal Wetlands for Flood Damage Reduction in the Northeastern USA. Scientific Reports, 2017, 7, 9463.	3.3	231
33	The Effectiveness, Costs and Coastal Protection Benefits of Natural and Nature-Based Defences. PLoS ONE, 2016, 11, e0154735.	2.5	371
34	Expanding marine protected areas to include degraded coral reefs. Conservation Biology, 2016, 30, 1182-1191.	4.7	39
35	Decision Tools and Approaches to Advance Ecosystem-Based Disaster Risk Reduction and Climate Change Adaptation in the Twenty-First Century. Advances in Natural and Technological Hazards Research, 2016, , 133-160.	1.1	6
36	Nature Based Solutions: Lessons from Across the World. , 2016, , .		1

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37	Nature-based solutions: lessons from around the world. Proceedings of the Institution of Civil Engineers: Maritime Engineering, 2016, 169, 29-36.	0.2	54
38	Upgrading Marine Ecosystem Restoration Using Ecologicalâ€Social Concepts. BioScience, 2016, 66, 156-163.	4.9	85
39	Coral Reefs and People in a High-CO2 World: Where Can Science Make a Difference to People?. PLoS ONE, 2016, 11, e0164699.	2.5	64
40	Rethinking Our Global Coastal Investment Portfolio. Journal of Ocean and Coastal Economics, 2016, 3, .	0.1	3
41	Vulnerability and adaptation of US shellfisheries to ocean acidification. Nature Climate Change, 2015, 5, 207-214.	18.8	265
42	Developing a marine conservation program in temperate Australia: determining priorities for action. Australian Journal of Maritime and Ocean Affairs, 2015, 7, 85-93.	2.0	10
43	Natural Shorelines Promote the Stability of Fish Communities in an Urbanized Coastal System. PLoS ONE, 2015, 10, e0118580.	2.5	24
44	Aligning Natural Resource Conservation and Flood Hazard Mitigation in California. PLoS ONE, 2015, 10, e0132651.	2.5	31
45	Effects of Climate Change on Exposure to Coastal Flooding in Latin America and the Caribbean. PLoS ONE, 2015, 10, e0133409.	2.5	77
46	The effectiveness of coral reefs for coastal hazard risk reduction and adaptation. Nature Communications, 2014, 5, 3794.	12.8	577
47	The role of ecosystems in coastal protection: Adapting to climate change and coastal hazards. Ocean and Coastal Management, 2014, 90, 50-57.	4.4	444
48	Coastal Ecosystems: A Critical Element of Risk Reduction. Conservation Letters, 2014, 7, 293-301.	5.7	157
49	Assessing risk associated with sea-level rise and storm surgeâ€"Redux. Natural Hazards, 2013, 65, 375-376.	3.4	1
50	Marine spatial planning in practice. Estuarine, Coastal and Shelf Science, 2013, 117, 1-11.	2.1	149
51	A comparison of zoning analyses to inform the planning of a marine protected area network in Raja Ampat, Indonesia. Marine Policy, 2013, 38, 184-194.	3.2	65
52	Modeling benefits from nature: using ecosystem services to inform coastal and marine spatial planning. International Journal of Biodiversity Science, Ecosystem Services & Management, 2012, 8, 107-121.	2.9	217
53	Evaluating alternative future sea-level rise scenarios. Natural Hazards, 2012, 63, 1223-1224.	3.4	0
54	Assessing future risk: quantifying the effects of sea level rise on storm surge risk for the southern shores of Long Island, New York. Natural Hazards, 2012, 60, 727-745.	3.4	112

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55	Catching the Right Wave: Evaluating Wave Energy Resources and Potential Compatibility with Existing Marine and Coastal Uses. PLoS ONE, 2012, 7, e47598.	2.5	43
56	Building Regional Threat-Based Networks for Estuaries in the Western United States. PLoS ONE, 2011, 6, e17407.	2.5	16
57	The Protective Role of Coastal Marshes: A Systematic Review and Meta-analysis. PLoS ONE, 2011, 6, e27374.	2.5	457
58	Oyster Reefs at Risk and Recommendations for Conservation, Restoration, and Management. BioScience, 2011, 61, 107-116.	4.9	978
59	Guiding ecological principles for marine spatial planning. Marine Policy, 2010, 34, 955-966.	3.2	435
60	Identification of a spatially efficient portfolio of priority conservation sites in marine and estuarine areas of Florida. Aquatic Conservation: Marine and Freshwater Ecosystems, 2009, 19, 408-420.	2.0	15
61	Diversity, conservation status and threats to native oysters (Ostreidae) around the Atlantic and Caribbean coasts of South America. Aquatic Conservation: Marine and Freshwater Ecosystems, 2009, 19, 344-353.	2.0	34
62	Linking fisheries management and conservation in bioengineering species: the case of South American mussels (Mytilidae). Reviews in Fish Biology and Fisheries, 2009, 19, 349-366.	4.9	38
63	Understanding and Managing Human Threats to the Coastal Marine Environment. Annals of the New York Academy of Sciences, 2009, 1162, 39-62.	3.8	317
64	Managing for ocean biodiversity to sustain marine ecosystem services. Frontiers in Ecology and the Environment, 2009, 7, 204-211.	4.0	254
65	The Loss of Natural Habitats and the Addition of Artificial Substrata. Ecological Studies, 2009, , 269-280.	1.2	18
66	The Gray Zone: Relationships between habitat loss and marine diversity and their applications in conservation. Journal of Experimental Marine Biology and Ecology, 2008, 366, 8-15.	1.5	302
67	Loss, Status and Trends for Coastal Marine Habitats of Europe. Oceanography and Marine Biology, 2007, , 345-405.	1.0	134
68	Food web interactions along seagrassÂ–coral reef boundaries: effects of piscivore reductions on cross-habitat energy exchange. Marine Ecology - Progress Series, 2007, 333, 37-50.	1.9	51
69	An ecological perspective on the deployment and design of low-crested and other hard coastal defence structures. Coastal Engineering, 2005, 52, 1073-1087.	4.0	312
70	New Tools for Marine Conservation: the Leasing and Ownership of Submerged Lands. Conservation Biology, 2004, 18, 1214-1223.	4.7	22
71	Planning for Biodiversity Conservation: Putting Conservation Science into Practice. BioScience, 2002, 52, 499.	4.9	418
72	The Identification, Conservation, and Management of Estuarine and Marine Nurseries for Fish and Invertebrates. BioScience, 2001, 51, 633.	4.9	1,934

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73	Ecoregional planning in marine environments: identifying priority sites for conservation in the northern Gulf of Mexico. Aquatic Conservation: Marine and Freshwater Ecosystems, 2001, 11, 235-242.	2.0	62
74	Separating the elements of habitat structure: independent effects of habitat complexity and structural components on rocky intertidal gastropods. Journal of Experimental Marine Biology and Ecology, 2000, 249, 29-49.	1.5	148
75	Comparison of the measurement and effects of habitat structure on gastropods in rocky intertidal and mangrove habitats. Marine Ecology - Progress Series, 1998, 169, 165-178.	1.9	107
76	Inference and Generality in Ecology: Current Problems and an Experimental Solution. Oikos, 1997, 78, 265.	2.7	74
77	A TEST OF THE GENERALITY OF THE EFFECTS OF SHELTER BOTTLENECKS IN FOUR STONE CRAB POPULATIONS. Ecology, 1997, 78, 2487-2503.	3.2	55
78	On discerning the cause of late Pleistocene megafaunal extinctions. Paleobiology, 1996, 22, 91-103.	2.0	57
79	Size-Specific Shelter Limitation in Stone Crabs: A Test of The Demographic Bottleneck Hypothesis. Ecology, 1995, 76, 968-980.	3.2	126
80	LOCAL ADAPTATION AND AGENTS OF SELECTION IN A MOBILE INSECT. Evolution; International Journal of Organic Evolution, 1995, 49, 810-815.	2.3	119
81	Local Adaptation and Agents of Selection in a Mobile Insect. Evolution; International Journal of Organic Evolution, 1995, 49, 810.	2.3	61
82	Effects of bioturbation in controlling turtlegrass (Thalassia testudinum Banks ex KÃ¶nig) abundance: evidence from field enclosures and observations in the Northern Gulf of Mexico. Journal of Experimental Marine Biology and Ecology, 1994, 178, 181-192.	1.5	59
83	The effects of host plant phenology on the demography and population dynamics of the leafâ€mining moth, Cameraria hamadryadella (Lepidoptera: Gracillariidae). Ecological Entomology, 1994, 19, 111-120.	2.2	39
84	Pre-copulatory guarding of penultimate females by male crab spiders, Misumenoides formosipes. Animal Behaviour, 1993, 46, 951-959.	1.9	78
85	Density-Related Mortality in Cameraria hamadryadella (Lepidoptera: Gracillariidae) at Epidemic and Endemic Densities. Oikos, 1993, 66, 515.	2.7	34
86	Factors affecting the reproductive success of the crab spider Misumenoides formosipes: the covariance between juvenile and adult traits. Oecologia, 1992, 92, 287-295.	2.0	32