

Mathew A Vanderklift

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

6,318
citations

87723

38
h-index

69108

77
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all docs

93
docs citations

93
times ranked

6861
citing authors

#	ARTICLE	IF	CITATIONS
1	Sources of variation in consumer-diet $\delta^{15}\text{N}$ enrichment: a meta-analysis. <i>Oecologia</i> , 2003, 136, 169-182.	0.9	1,305
2	Climate-driven regime shift of a temperate marine ecosystem. <i>Science</i> , 2016, 353, 169-172.	6.0	951
3	Global patterns in the impact of marine herbivores on benthic primary producers. <i>Ecology Letters</i> , 2012, 15, 912-922.	3.0	350
4	Mechanistic interpretation of carbon isotope discrimination by marine macroalgae and seagrasses. <i>Functional Plant Biology</i> , 2002, 29, 355.	1.1	284
5	Mechanisms and ecological role of carbon transfer within coastal seascapes. <i>Biological Reviews</i> , 2014, 89, 232-254.	4.7	166
6	Marine macrophytes directly enhance abundances of sandy beach fauna through provision of food and habitat. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 74, 77-86.	0.9	130
7	Accelerating Tropicalization and the Transformation of Temperate Seagrass Meadows. <i>BioScience</i> , 2016, 66, 938-948.	2.2	128
8	Severe Continental-Scale Impacts of Climate Change Are Happening Now: Extreme Climate Events Impact Marine Habitat Forming Communities Along 45% of Australia's Coast. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	106
9	Detached kelps from distant sources are a food subsidy for sea urchins. <i>Oecologia</i> , 2008, 157, 327-335.	0.9	101
10	Carbon, nitrogen and phosphorus storage in subtropical seagrass meadows: examples from Florida Bay and Shark Bay. <i>Marine and Freshwater Research</i> , 2012, 63, 967.	0.7	99
11	Export of detached macroalgae from reefs to adjacent seagrass beds. <i>Oecologia</i> , 2006, 147, 692-701.	0.9	95
12	Constraints and opportunities for market-based finance for the restoration and protection of blue carbon ecosystems. <i>Marine Policy</i> , 2019, 107, 103429.	1.5	95
13	A Meta-Analysis of Seaweed Impacts on Seagrasses: Generalities and Knowledge Gaps. <i>PLoS ONE</i> , 2012, 7, e28595.	1.1	93
14	Spatial Patterns in Herbivory on a Coral Reef Are Influenced by Structural Complexity but Not by Algal Traits. <i>PLoS ONE</i> , 2011, 6, e17115.	1.1	92
15	Seaweeds in Cold Seas: Evolution and Carbon Acquisition. <i>Annals of Botany</i> , 2002, 90, 525-536.	1.4	90
16	Bright Spots in Coastal Marine Ecosystem Restoration. <i>Current Biology</i> , 2020, 30, R1500-R1510.	1.8	90
17	Effect of reducing taxonomic resolution on ordinations to detect pollution-induced gradients in macrobenthic infaunal assemblages. <i>Marine Ecology - Progress Series</i> , 1996, 136, 137-145.	0.9	84
18	Use of assemblages derived from different taxonomic levels to select areas for conserving marine biodiversity. <i>Biological Conservation</i> , 1998, 86, 307-315.	1.9	77

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19	Positive Ecological Interactions and the Success of Seagrass Restoration. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	77
20	Allochthonous brown algae are the primary food source for consumers in a temperate, coastal environment. <i>Marine Ecology - Progress Series</i> , 2009, 376, 33-44.	0.9	76
21	Biology and Ecology of the Globally Significant Kelp <i>Ecklonia radiata</i> . , 2019, , 265-323.		75
22	A comparison of spatial and temporal patterns in epiphytic macroalgal assemblages of the seagrasses <i>Amphibolis griffithii</i> and <i>Posidonia coriacea</i> . <i>Marine Ecology - Progress Series</i> , 2002, 236, 99-112.	0.9	70
23	Variation in abundances of herbivorous invertebrates in temperate subtidal rocky reef habitats. <i>Marine and Freshwater Research</i> , 2004, 55, 93.	0.7	67
24	Contrasting mechanisms of dislodgement and erosion contribute to production of kelp detritus. <i>Limnology and Oceanography</i> , 2013, 58, 1680-1688.	1.6	63
25	Regional-scale benthic monitoring for ecosystem-based fisheries management (EBFM) using an autonomous underwater vehicle (AUV). <i>ICES Journal of Marine Science</i> , 2012, 69, 1108-1118.	1.2	54
26	Regional-scale variability in the response of benthic macroinvertebrate assemblages to a marine heatwave. <i>Marine Ecology - Progress Series</i> , 2017, 568, 17-30.	0.9	54
27	Tropicalization strengthens consumer pressure on habitat-forming seaweeds. <i>Scientific Reports</i> , 2017, 7, 820.	1.6	53
28	Differences in trophic position among sympatric sea urchin species. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 66, 291-297.	0.9	52
29	Contrasting influence of sea urchins on attached and drift macroalgae. <i>Marine Ecology - Progress Series</i> , 2005, 299, 101-110.	0.9	52
30	Food web interactions along seagrass-coral reef boundaries: effects of piscivore reductions on cross-habitat energy exchange. <i>Marine Ecology - Progress Series</i> , 2007, 333, 37-50.	0.9	51
31	Intensity of herbivory on kelp by fish and sea urchins differs between inshore and offshore reefs. <i>Marine Ecology - Progress Series</i> , 2009, 376, 203-211.	0.9	50
32	EXPLOITED SPECIES IMPACTS ON TROPHIC LINKAGES ALONG REEF-SEAGRASS INTERFACES IN THE FLORIDA KEYS. <i>Ecological Applications</i> , 2008, 18, 1501-1515.	1.8	49
33	Identity and behaviour of herbivorous fish influence large-scale spatial patterns of macroalgal herbivory in a coral reef. <i>Marine Ecology - Progress Series</i> , 2013, 482, 227-240.	0.9	47
34	Patchiness in assemblages of epiphytic macroalgae on <i>Posidonia coriacea</i> at a hierarchy of spatial scales. <i>Marine Ecology - Progress Series</i> , 2000, 192, 127-135.	0.9	47
35	Strong effects of herbivorous amphipods on epiphyte biomass in a temperate seagrass meadow. <i>Marine Ecology - Progress Series</i> , 2011, 442, 263-269.	0.9	45
36	Density of herbivorous fish and intensity of herbivory are influenced by proximity to coral reefs. <i>Marine Ecology - Progress Series</i> , 2013, 482, 217-225.	0.9	45

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37	Population structure of turbinid gastropods on wave-exposed subtidal reefs: effects of density, body size and algae on grazing behaviour. <i>Marine Ecology - Progress Series</i> , 2008, 362, 169-179.	0.9	42
38	Marine sponges of the Dampier Archipelago, Western Australia: patterns of species distributions, abundance and diversity. <i>Biodiversity and Conservation</i> , 2006, 15, 3731-3750.	1.2	41
39	Variation among diets in discrimination of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ in the amphipod <i>Allorchestes compressa</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 349, 370-377.	0.7	40
40	Temperature and light explain spatial variation in growth and productivity of the kelp <i>Ecklonia radiata</i> . <i>Marine Ecology - Progress Series</i> , 2013, 476, 59-70.	0.9	40
41	Using Propagules to Restore Coastal Marine Ecosystems. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	40
42	Environmental Influences on Kelp Performance across the Reproductive Period: An Ecological Trade-Off between Gametophyte Survival and Growth?. <i>PLoS ONE</i> , 2013, 8, e65310.	1.1	37
43	CONTRIBUTION OF TEMPORAL AND SPATIAL COMPONENTS TO MORPHOLOGICAL VARIATION IN THE KELP <i>ECKLONIA</i> (LAMINARIALES)1. <i>Journal of Phycology</i> , 2010, 46, 153-161.	1.0	33
44	Simulated growth and reproduction of green turtles (<i>Chelonia mydas</i>) under climate change and marine heatwave scenarios. <i>Ecological Modelling</i> , 2020, 431, 109185.	1.2	30
45	Proximity to rocky reefs alters the balance between positive and negative effects on seagrass fauna. <i>Marine Ecology - Progress Series</i> , 2010, 405, 175-186.	0.9	30
46	Proximity to reef influences density of small predatory fishes, while type of seagrass influences intensity of their predation on crabs. <i>Marine Ecology - Progress Series</i> , 2007, 340, 235-243.	0.9	29
47	Stable isotopes reveal a consistent consumerâ€ diet relationship across hundreds of kilometres. <i>Marine Ecology - Progress Series</i> , 2010, 403, 53-61.	0.9	26
48	A new narrative for the Blue Economy and Blue Carbon. <i>Journal of the Indian Ocean Region</i> , 2019, 15, 123-128.	0.2	26
49	Patterns in fish assemblages 25 years after major seagrass loss. <i>Marine Ecology - Progress Series</i> , 2003, 247, 225-235.	0.9	25
50	The role of <i>Thalassoma lunare</i> as a predator of juvenile fish on a sub-tropical coral reef. <i>Coral Reefs</i> , 2012, 31, 1113-1123.	0.9	23
51	The magnitude of spatial and temporal variation in $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ differs between taxonomic groups: Implications for food web studies. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 119, 176-187.	0.9	23
52	Retrospective analysis of epiphyte assemblages in relation to seagrass loss in a eutrophic coastal embayment. <i>Marine Ecology - Progress Series</i> , 2007, 346, 97-107.	0.9	23
53	Habitat surrounding patch reefs influences the diet and nutrition of the western rock lobster. <i>Marine Ecology - Progress Series</i> , 2011, 436, 191-205.	0.9	23
54	Ecological Effects of Macroalgal Harvesting on Beaches in the Peel-Harvey Estuary, Western Australia. <i>Estuarine, Coastal and Shelf Science</i> , 1999, 49, 295-309.	0.9	21

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55	Nutrient status of seagrasses cannot be inferred from system-scale distribution of phosphorus in Shark Bay, Western Australia. <i>Marine and Freshwater Research</i> , 2012, 63, 1015.	0.7	21
56	Transferability of predictive models of coral reef fish species richness. <i>Journal of Applied Ecology</i> , 2016, 53, 64-72.	1.9	21
57	Disentangling the response of fishes to recreational fishing over 30 years within a fringing coral reef reserve network. <i>Biological Conservation</i> , 2019, 237, 514-524.	1.9	20
58	Western rock lobsters (<i>Panulirus cygnus</i>) in Western Australian deep coastal ecosystems (35–60m) are more carnivorous than those in shallow coastal ecosystems. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 114-120.	0.9	19
59	Phenological decoupling of mortality from wave forcing in kelp beds. <i>Ecology</i> , 2015, 96, 850-861.	1.5	18
60	Nocturnally active western rock lobsters <i>Panulirus cygnus</i> forage close to shallow coastal reefs. <i>Aquatic Biology</i> , 2008, 4, 201-210.	0.5	17
61	Overwintering tropical herbivores accelerate detritus production on temperate reefs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20192046.	1.2	16
62	Integrating blue: How do we make nationally determined contributions work for both blue carbon and local coastal communities?. <i>Ambio</i> , 2022, 51, 1978-1993.	2.8	16
63	Using biological survey data when selecting Marine Protected Areas: an operational framework and associated risks. <i>Pacific Conservation Biology</i> , 2000, 6, 152.	0.5	15
64	Drying method has no substantial effect on $\delta^{15}\text{N}$ or $\delta^{13}\text{C}$ values of muscle tissue from teleost fishes. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 265-273.	0.7	15
65	Blue carbon in the Indian Ocean: a review and research agenda. <i>Journal of the Indian Ocean Region</i> , 2019, 15, 129-138.	0.2	15
66	Range-extending tropical herbivores increase diversity, intensity and extent of herbivory functions in temperate marine ecosystems. <i>Functional Ecology</i> , 2020, 34, 2411-2421.	1.7	15
67	Long-Term Acoustic Monitoring Reveals Site Fidelity, Reproductive Migrations, and Sex Specific Differences in Habitat Use and Migratory Timing in a Large Coastal Shark (<i>Negaprion acutidens</i>). <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	15
68	Gradients in the Number of Species at Reef-Seagrass Ecotones Explained by Gradients in Abundance. <i>PLoS ONE</i> , 2011, 6, e20190.	1.1	15
69	A Guide to International Climate Mitigation Policy and Finance Frameworks Relevant to the Protection and Restoration of Blue Carbon Ecosystems. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	14
70	Setting priorities for conservation at the interface between ocean circulation, connectivity, and population dynamics. <i>Ecological Applications</i> , 2020, 30, e02011.	1.8	13
71	Depletion of predatory fish by fishing in a temperate reef ecosystem leads to indirect effects on prey, but not to lower trophic levels. <i>Marine Ecology - Progress Series</i> , 2011, 432, 195-205.	0.9	13
72	Assessment of commercial and recreational fishing effects on trophic interactions in the Cap Roux area (north-western Mediterranean). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2013, 23, 189-201.	0.9	12

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73	A full life cycle Dynamic Energy Budget (DEB) model for the green sea turtle (<i>Chelonia mydas</i>) fitted to data on embryonic development. <i>Journal of Sea Research</i> , 2019, 143, 78-88.	0.6	11
74	Variation in $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of kelp is explained by light and productivity. <i>Marine Ecology - Progress Series</i> , 2014, 515, 111-121.	0.9	11
75	The oceanography and marine ecology of Ningaloo, a World Heritage Area. , 2020, , 143-178.		9
76	Density of reef sharks estimated by applying an agent-based model to video surveys. <i>Marine Ecology - Progress Series</i> , 2014, 508, 201-209.	0.9	9
77	Persistence of tropical herbivores in temperate reefs constrains kelp resilience to cryptic habitats. <i>Journal of Ecology</i> , 2021, 109, 2081-2094.	1.9	8
78	Challenges of transferring models of fish abundance between coral reefs. <i>PeerJ</i> , 2018, 6, e4566.	0.9	8
79	Porifera (sponges) of Mermaid, Scott and Seringapatam Reefs, north Western Australia. <i>Records of the Western Australian Museum, Supplement</i> , 2009, 77, 89.	0.5	7
80	Comparisons of stable isotope composition among tissues of green turtles. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8839.	0.7	7
81	Macrophyte-derived detritus in shallow coastal waters contributes to suspended particulate organic matter and increases growth rates of <i>Mytilus edulis</i> . <i>Marine Ecology - Progress Series</i> , 2020, 644, 91-103.	0.9	6
82	The effects of protection from fishing on species richness: distinguishing between alternative explanations. <i>Oecologia</i> , 2013, 171, 309-315.	0.9	5
83	Zone specific trends in coral cover, genera and growth-forms in the World-Heritage listed Ningaloo Reef. <i>Marine Environmental Research</i> , 2020, 160, 105020.	1.1	5
84	Limited effects of an extreme flood event on corals at Ningaloo Reef. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 191, 234-238.	0.9	4
85	Information-theoretic measures of ecosystem change, sustainability, and resilience. <i>ICES Journal of Marine Science</i> , 2020, 77, 1532-1544.	1.2	4
86	High rates of herbivory in remote northwest Australian seagrass meadows by rabbitfish and green turtles. <i>Marine Ecology - Progress Series</i> , 2021, 665, 63-73.	0.9	3
87	Gamma-ray irradiation of common biological samples for stable carbon and nitrogen isotope and elemental analyses. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9173.	0.7	3
88	Quantitative Analysis of Methodological and Environmental Influences on Survival of Planted Mangroves in Restoration and Afforestation. <i>Forests</i> , 2022, 13, 404.	0.9	3
89	Stable isotope composition of multiple tissues and individual amino acids reveals dietary variation among life stages in green turtles (<i>Chelonia mydas</i>) at Ningaloo Reef. <i>Marine Biology</i> , 2022, 169, 1.	0.7	3
90	Fine-scale movement and habitat use of juvenile, subadult, and adult green turtles (<i>Chelonia mydas</i>). <i>Freshwater Ecosystems</i> , 2022, 32, 1323-1340.	0.9	3

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91	How the movement characteristics of large marine predators influence estimates of their abundance. Ecological Modelling, 2015, 313, 223-236.	1.2	2
92	Declining abundance of coral reef fish in a World-Heritage-listed marine park. Scientific Reports, 2019, 9, 15524.	1.6	2
93	How can science inform the design and management of marine protected areas?. Australian Zoologist, 2017, 39, 170-172.	0.6	0