

Mathew A Vanderklift

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

4,746

citations

34

h-index

68

g-index

93

ext. papers

5,539

ext. citations

3.6

avg, IF

5.61

L-index

#	Paper	IF	Citations
88	Sources of variation in consumer-diet delta 15N enrichment: a meta-analysis. <i>Oecologia</i> , 2003 , 136, 169-829	32.9	1150
87	Climate-driven regime shift of a temperate marine ecosystem. <i>Science</i> , 2016 , 353, 169-72	33.3	643
86	Global patterns in the impact of marine herbivores on benthic primary producers. <i>Ecology Letters</i> , 2012 , 15, 912-22	10	279
85	Mechanistic interpretation of carbon isotope discrimination by marine macroalgae and seagrasses. <i>Functional Plant Biology</i> , 2002 , 29, 355-378	2.7	227
84	Mechanisms and ecological role of carbon transfer within coastal seascapes. <i>Biological Reviews</i> , 2014 , 89, 232-54	13.5	136
83	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	2.9	109
82	Detached kelps from distant sources are a food subsidy for sea urchins. <i>Oecologia</i> , 2008 , 157, 327-35	2.9	86
81	Export of detached macroalgae from reefs to adjacent seagrass beds. <i>Oecologia</i> , 2006 , 147, 692-701	2.9	81
80	Seaweeds in cold seas: evolution and carbon acquisition. <i>Annals of Botany</i> , 2002 , 90, 525-36	4.1	79
79	Accelerating Tropicalization and the Transformation of Temperate Seagrass Meadows. <i>BioScience</i> , 2016 , 66, 938-948	5.7	78
78	A meta-analysis of seaweed impacts on seagrasses: generalities and knowledge gaps. <i>PLoS ONE</i> , 2012 , 7, e28595	3.7	71
77	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	2.6	70
76	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	3.7	68
75	Use of assemblages derived from different taxonomic levels to select areas for conserving marine biodiversity. <i>Biological Conservation</i> , 1998 , 86, 307-315	6.2	68
74	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	2.6	64
73	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	2.6	63
72	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	2.2	60

71	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,	4.5	58
70	Variation in abundances of herbivorous invertebrates in temperate subtidal rocky reef habitats. <i>Marine and Freshwater Research</i> , 2004 , 55, 93	2.2	53
69	Contrasting mechanisms of dislodgement and erosion contribute to production of kelp detritus. <i>Limnology and Oceanography</i> , 2013 , 58, 1680-1688	4.8	49
68	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	2.7	46
67	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	2.6	45
66	Differences in trophic position among sympatric sea urchin species. <i>Estuarine, Coastal and Shelf Science</i> , 2006 , 66, 291-297	2.9	45
65	Contrasting influence of sea urchins on attached and drift macroalgae. <i>Marine Ecology - Progress Series</i> , 2005 , 299, 101-110	2.6	43
64	Constraints and opportunities for market-based finance for the restoration and protection of blue carbon ecosystems. <i>Marine Policy</i> , 2019 , 107, 103429	3.5	42
63	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	2.6	39
62	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	2.6	36
61	Variation among diets in discrimination of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ in the amphipod <i>Allorchestetes compressa</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2007 , 349, 370-377	2.1	36
60	Positive Ecological Interactions and the Success of Seagrass Restoration. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	35
59	Tropicalization strengthens consumer pressure on habitat-forming seaweeds. <i>Scientific Reports</i> , 2017 , 7, 820	4.9	35
58	Exploited species impacts on trophic linkages along reef-seagrass interfaces in the Florida Keys 2008 , 18, 1501-15		35
57	Strong effects of herbivorous amphipods on epiphyte biomass in a temperate seagrass meadow. <i>Marine Ecology - Progress Series</i> , 2011 , 442, 263-269	2.6	35
56	Marine sponges of the Dampier Archipelago, Western Australia: patterns of species distributions, abundance and diversity. <i>Biodiversity and Conservation</i> , 2006 , 15, 3731-3750	3.4	34
55	Biology and Ecology of the Globally Significant Kelp <i>Ecklonia radiata</i> 2019 , 265-323		34
54	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	2.6	34

53	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	2.6	34
52	Regional-scale variability in the response of benthic macroinvertebrate assemblages to a marine heatwave. <i>Marine Ecology - Progress Series</i> , 2017 , 568, 17-30	2.6	33
51	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	2.6	31
50	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	2.6	29
49	Bright Spots in Coastal Marine Ecosystem Restoration. <i>Current Biology</i> , 2020 , 30, R1500-R1510	6.3	28
48	CONTRIBUTION OF TEMPORAL AND SPATIAL COMPONENTS TO MORPHOLOGICAL VARIATION IN THE KELP ECKLONIA (LAMINARIALES)1. <i>Journal of Phycology</i> , 2010 , 46, 153-161	3	26
47	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	2.6	25
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	2.6	25
45	Stable isotopes reveal a consistent consumer?diet relationship across hundreds of kilometres. <i>Marine Ecology - Progress Series</i> , 2010 , 403, 53-61	2.6	24
44	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	2.9	22
43	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	4.2	21
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	3.7	21
41	Habitat surrounding patch reefs influences the diet and nutrition of the western rock lobster. <i>Marine Ecology - Progress Series</i> , 2011 , 436, 191-205	2.6	20
40	Patterns in fish assemblages 25 years after major seagrass loss. <i>Marine Ecology - Progress Series</i> , 2003 , 247, 225-235	2.6	19
39	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	3	18
38	Western rock lobsters (<i>Panulirus cygnus</i>) in Western Australian deep coastal ecosystems (35?80 m) are more carnivorous than those in shallow coastal ecosystems. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 79, 114-120	2.9	17
37	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	2.9	17
36	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	2.6	17

35	Nocturnally active western rock lobsters <i>Panulirus cygnus</i> forage close to shallow coastal reefs. <i>Aquatic Biology</i> , 2008 , 4, 201-210	2	16
34	Using Propagules to Restore Coastal Marine Ecosystems. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	16
33	Transferability of predictive models of coral reef fish species richness. <i>Journal of Applied Ecology</i> , 2016 , 53, 64-72	5.8	16
32	Phenological decoupling of mortality from wave forcing in kelp beds. <i>Ecology</i> , 2015 , 96, 850-61	4.6	15
31	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	2.2	15
30	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	6.2	14
29	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, 265-73	2.2	14
28	Using biological survey data when selecting Marine Protected Areas: an operational framework and associated risks. <i>Pacific Conservation Biology</i> , 2000 , 6, 152	1.2	13
27	Gradients in the number of species at reef-seagrass ecotones explained by gradients in abundance. <i>PLoS ONE</i> , 2011 , 6, e20190	3.7	13
26	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	2.6	12
25	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	2.6	11
24	Blue carbon in the Indian Ocean: a review and research agenda. <i>Journal of the Indian Ocean Region</i> , 2019 , 15, 129-138	1	8
23	Density of reef sharks estimated by applying an agent-based model to video surveys. <i>Marine Ecology - Progress Series</i> , 2014 , 508, 201-209	2.6	8
22	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	2.6	8
21	Porifera (sponges) of Mermaid, Scott and Seringapatam Reefs, north Western Australia. <i>Records of the Western Australian Museum, Supplement</i> , 2009 , 77, 89	1	7
20	Overwintering tropical herbivores accelerate detritus production on temperate reefs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20192046	4.4	7
19	Setting priorities for conservation at the interface between ocean circulation, connectivity, and population dynamics. <i>Ecological Applications</i> , 2020 , 30, e02011	4.9	6
18	The effects of protection from fishing on species richness: distinguishing between alternative explanations. <i>Oecologia</i> , 2013 , 171, 309-15	2.9	5

17	Challenges of transferring models of fish abundance between coral reefs. <i>PeerJ</i> , 2018 , 6, e4566	3.1	5
16	Range-extending tropical herbivores increase diversity, intensity and extent of herbivory functions in temperate marine ecosystems. <i>Functional Ecology</i> , 2020 , 34, 2411-2421	5.6	5
15	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	1.9	4
14	The oceanography and marine ecology of Ningaloo, a World Heritage Area 2020 , 143-178		4
13	Limited effects of an extreme flood event on corals at Ningaloo Reef. <i>Estuarine, Coastal and Shelf Science</i> , 2017 , 191, 234-238	2.9	3
12	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	2.6	3
11	Comparisons of stable isotope composition among tissues of green turtles. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8839	2.2	3
10	Information-theoretic measures of ecosystem change, sustainability, and resilience. <i>ICES Journal of Marine Science</i> , 2020 , 77, 1532-1544	2.7	3
9	How the movement characteristics of large marine predators influence estimates of their abundance. <i>Ecological Modelling</i> , 2015 , 313, 223-236	3	2
8	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	3.3	2
7	Persistence of tropical herbivores in temperate reefs constrains kelp resilience to cryptic habitats. <i>Journal of Ecology</i> , 2021 , 109, 2081-2094	6	2
6	Declining abundance of coral reef fish in a World-Heritage-listed marine park. <i>Scientific Reports</i> , 2019 , 9, 15524	4.9	1
5	Gamma-irradiation of common biological samples for stable carbon and nitrogen isotope and elemental analyses. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, e9173	2.2	1
4	How can science inform the design and management of marine protected areas?. <i>Australian Zoologist</i> , 2017 , 39, 170-172	0.7	
3	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	2.6	
2	Quantitative Analysis of Methodological and Environmental Influences on Survival of Planted Mangroves in Restoration and Afforestation. <i>Forests</i> , 2022 , 13, 404	2.8	
1	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	2.5	