Mathew A Vanderklift

List of Publications by Year in Descending Order

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	Quantitative Analysis of Methodological and Environmental Influences on Survival of Planted Mangroves in Restoration and Afforestation. *Forests*, **2022**, 13, 404	2.8	
87	Stable isotope composition of multiple tissues and individual amino acids reveals dietary variation among life stages in green turtles (Chelonia mydas) at Ningaloo Reef. *Marine Biology*, **2022**, 169, 1	2.5	
86	Persistence of tropical herbivores in temperate reefs constrains kelp resilience to cryptic habitats. *Journal of Ecology*, **2021**, 109, 2081-2094	6	2
85	High rates of herbivory in remote northwest Australian seagrass meadows by rabbitfish and green turtles. *Marine Ecology - Progress Series*, **2021**, 665, 63-73	2.6	
84	Gamma-irradiation of common biological samples for stable carbon and nitrogen isotope and elemental analyses. *Rapid Communications in Mass Spectrometry*, **2021**, 35, e9173	2.2	1
83	Simulated growth and reproduction of green turtles (Chelonia mydas) under climate change and marine heatwave scenarios. *Ecological Modelling*, **2020**, 431, 109185	3	18
82	Positive Ecological Interactions and the Success of Seagrass Restoration. *Frontiers in Marine Science* , **2020**, 7,	4.5	35
81	The oceanography and marine ecology of Ningaloo, a World Heritage Area **2020**, 143-178		4
80	Zone specific trends in coral cover, genera and growth-forms in the World-Heritage listed Ningaloo Reef. *Marine Environmental Research*, **2020**, 160, 105020	3.3	2
79	Macrophyte-derived detritus in shallow coastal waters contributes to suspended particulate organic matter and increases growth rates of Mytilus edulis. *Marine Ecology - Progress Series*, **2020**, 644, 91-103	2.6	3
78	Comparisons of stable isotope composition among tissues of green turtles. *Rapid Communications in Mass Spectrometry*, **2020**, 34, e8839	2.2	3
77	Bright Spots in Coastal Marine Ecosystem Restoration. *Current Biology*, **2020**, 30, R1500-R1510	6.3	28
76	Range-extending tropical herbivores increase diversity, intensity and extent of herbivory functions in temperate marine ecosystems. *Functional Ecology*, **2020**, 34, 2411-2421	5.6	5
75	Using Propagules to Restore Coastal Marine Ecosystems. *Frontiers in Marine Science*, **2020**, 7,	4.5	16
74	Information-theoretic measures of ecosystem change, sustainability, and resilience. *ICES Journal of Marine Science*, **2020**, 77, 1532-1544	2.7	3
73	Setting priorities for conservation at the interface between ocean circulation, connectivity, and population dynamics. *Ecological Applications*, **2020**, 30, e02011	4.9	6
72	A full life cycle Dynamic Energy Budget (DEB) model for the green sea turtle (Chelonia mydas) fitted to data on embryonic development. *Journal of Sea Research*, **2019**, 143, 78-88	1.9	4

71	Disentangling the response of fishes to recreational fishing over 30 years within a fringing coral reef reserve network. *Biological Conservation*, **2019**, 237, 514-524	6.2	14
70	Blue carbon in the Indian Ocean: a review and research agenda. *Journal of the Indian Ocean Region*, **2019**, 15, 129-138	1	8
69	Severe Continental-Scale Impacts of Climate Change Are Happening Now: Extreme Climate Events Impact Marine Habitat Forming Communities Along 45% of Australia Coast. *Frontiers in Marine Science*, **2019**, 6,	4.5	58
68	Biology and Ecology of the Globally Significant Kelp Ecklonia radiata **2019**, 265-323		34
67	Constraints and opportunities for market-based finance for the restoration and protection of blue carbon ecosystems. *Marine Policy*, **2019**, 107, 103429	3.5	42
66	Declining abundance of coral reef fish in a World-Heritage-listed marine park. *Scientific Reports*, **2019**, 9, 15524	4.9	1
65	Overwintering tropical herbivores accelerate detritus production on temperate reefs. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20192046	4.4	7
64	Challenges of transferring models of fish abundance between coral reefs. *PeerJ*, **2018**, 6, e4566	3.1	5
63	Limited effects of an extreme flood event on corals at Ningaloo Reef. *Estuarine, Coastal and Shelf Science*, **2017**, 191, 234-238	2.9	3
62	Tropicalization strengthens consumer pressure on habitat-forming seaweeds. *Scientific Reports*, **2017**, 7, 820	4.9	35
61	Regional-scale variability in the response of benthic macroinvertebrate assemblages to a marine heatwave. *Marine Ecology - Progress Series*, **2017**, 568, 17-30	2.6	33
60	How can science inform the design and management of marine protected areas?. *Australian Zoologist*, **2017**, 39, 170-172	0.7	
59	Accelerating Tropicalization and the Transformation of Temperate Seagrass Meadows. *BioScience*, **2016**, 66, 938-948	5.7	78
58	Climate-driven regime shift of a temperate marine ecosystem. *Science*, **2016**, 353, 169-72	33.3	643
57	Transferability of predictive models of coral reef fish species richness. *Journal of Applied Ecology*, **2016**, 53, 64-72	5.8	16
56	How the movement characteristics of large marine predators influence estimates of their abundance. *Ecological Modelling*, **2015**, 313, 223-236	3	2
55	Phenological decoupling of mortality from wave forcing in kelp beds. *Ecology*, **2015**, 96, 850-61	4.6	15
54	Drying method has no substantial effect on δ15N or δ13C values of muscle tissue from teleost fishes. *Rapid Communications in Mass Spectrometry*, **2014**, 28, 265-73	2.2	14

53	Mechanisms and ecological role of carbon transfer within coastal seascapes. *Biological Reviews*, **2014**, 89, 232-54	13.5	136
52	Density of reef sharks estimated by applying an agent-based model to video surveys. *Marine Ecology - Progress Series*, **2014**, 508, 201-209	2.6	8
51	Variation in δ13C and δ15N of kelp is explained by light and productivity. *Marine Ecology - Progress Series*, **2014**, 515, 111-121	2.6	8
50	The effects of protection from fishing on species richness: distinguishing between alternative explanations. *Oecologia*, **2013**, 171, 309-15	2.9	5
49	Temperature and light explain spatial variation in growth and productivity of the kelp Ecklonia radiata. *Marine Ecology - Progress Series*, **2013**, 476, 59-70	2.6	29
48	The magnitude of spatial and temporal variation in δ15N and δ13C differs between taxonomic groups: Implications for food web studies. *Estuarine, Coastal and Shelf Science*, **2013**, 119, 176-187	2.9	22
47	Assessment of commercial and recreational fishing effects on trophic interactions in the Cap Roux area (north-western Mediterranean). *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2013**, 23, 189-201	2.6	12
46	Contrasting mechanisms of dislodgement and erosion contribute to production of kelp detritus. *Limnology and Oceanography*, **2013**, 58, 1680-1688	4.8	49
45	Environmental influences on kelp performance across the reproductive period: an ecological trade-off between gametophyte survival and growth?. *PLoS ONE*, **2013**, 8, e65310	3.7	21
44	Density of herbivorous fish and intensity of herbivory are influenced by proximity to coral reefs. *Marine Ecology - Progress Series*, **2013**, 482, 217-225	2.6	31
43	Identity and behaviour of herbivorous fish influence large-scale spatial patterns of macroalgal herbivory in a coral reef. *Marine Ecology - Progress Series*, **2013**, 482, 227-240	2.6	34
42	Global patterns in the impact of marine herbivores on benthic primary producers. *Ecology Letters*, **2012**, 15, 912-22	10	279
41	Nutrient status of seagrasses cannot be inferred from system-scale distribution of phosphorus in Shark Bay, Western Australia. *Marine and Freshwater Research*, **2012**, 63, 1015	2.2	15
40	A meta-analysis of seaweed impacts on seagrasses: generalities and knowledge gaps. *PLoS ONE*, **2012**, 7, e28595	3.7	71
39	The role of Thalassoma lunare as a predator of juvenile fish on a sub-tropical coral reef. *Coral Reefs*, **2012**, 31, 1113-1123	4.2	21
38	Regional-scale benthic monitoring for ecosystem-based fisheries management (EBFM) using an autonomous underwater vehicle (AUV). *ICES Journal of Marine Science*, **2012**, 69, 1108-1118	2.7	46
37	Carbon, nitrogen and phosphorus storage in subtropical seagrass meadows: examples from Florida Bay and Shark Bay. *Marine and Freshwater Research*, **2012**, 63, 967	2.2	60
36	Spatial patterns in herbivory on a coral reef are influenced by structural complexity but not by algal traits. *PLoS ONE*, **2011**, 6, e17115	3.7	68

35	Gradients in the number of species at reef-seagrass ecotones explained by gradients in abundance. *PLoS ONE*, **2011**, 6, e20190	3.7	13
34	Depletion of predatory fish by fishing in a temperate reef ecosystem leads to indirect effects on prey, but not to lower trophic levels. *Marine Ecology - Progress Series*, **2011**, 432, 195-205	2.6	11
33	Habitat surrounding patch reefs influences the diet and nutrition of the western rock lobster. *Marine Ecology - Progress Series*, **2011**, 436, 191-205	2.6	20
32	Strong effects of herbivorous amphipods on epiphyte biomass in a temperate seagrass meadow. *Marine Ecology - Progress Series*, **2011**, 442, 263-269	2.6	35
31	Stable isotopes reveal a consistent consumer diet relationship across hundreds of kilometres. *Marine Ecology - Progress Series*, **2010**, 403, 53-61	2.6	24
30	CONTRIBUTION OF TEMPORAL AND SPATIAL COMPONENTS TO MORPHOLOGICAL VARIATION IN THE KELP ECKLONIA (LAMINARIALES)1. *Journal of Phycology*, **2010**, 46, 153-161	3	26
29	Proximity to rocky reefs alters the balance between positive and negative effects on seagrass fauna. *Marine Ecology - Progress Series*, **2010**, 405, 175-186	2.6	25
28	Intensity of herbivory on kelp by fish and sea urchins differs between inshore and offshore reefs. *Marine Ecology - Progress Series*, **2009**, 376, 203-211	2.6	45
27	Porifera (sponges) of Mermaid, Scott and Seringapatam Reefs, north Western Australia. *Records of the Western Australian Museum, Supplement*, **2009**, 77, 89	1	7
26	Allochthonous brown algae are the primary food source for consumers in a temperate, coastal environment. *Marine Ecology - Progress Series*, **2009**, 376, 33-44	2.6	63
25	Western rock lobsters (Panulirus cygnus) in Western Australian deep coastal ecosystems (35 0 m) are more carnivorous than those in shallow coastal ecosystems. *Estuarine, Coastal and Shelf Science*, **2008**, 79, 114-120	2.9	17
24	Population structure of turbinid gastropods on wave-exposed subtidal reefs: effects of density, body size and algae on grazing behaviour. *Marine Ecology - Progress Series*, **2008**, 362, 169-179	2.6	36
23	Exploited species impacts on trophic linkages along reef-seagrass interfaces in the Florida Keys **2008**, 18, 1501-15		35
22	Detached kelps from distant sources are a food subsidy for sea urchins. *Oecologia*, **2008**, 157, 327-35	2.9	86
21	Nocturnally active western rock lobsters Panulirus cygnus forage close to shallow coastal reefs. *Aquatic Biology*, **2008**, 4, 201-210	2	16
20	Marine macrophytes directly enhance abundances of sandy beach fauna through provision of food and habitat. *Estuarine, Coastal and Shelf Science*, **2007**, 74, 77-86	2.9	109
19	Variation among diets in discrimination of 13C and 15N in the amphipod Allorchestes compressa. *Journal of Experimental Marine Biology and Ecology*, **2007**, 349, 370-377	2.1	36
18	Retrospective analysis of epiphyte assemblages in relation to seagrass loss in a eutrophic coastal embayment. *Marine Ecology - Progress Series*, **2007**, 346, 97-107	2.6	17

17	Food web interactions along seagrass?coral reef boundaries: effects of piscivore reductions on cross-habitat energy exchange. *Marine Ecology - Progress Series*, **2007**, 333, 37-50	2.6	34
16	Proximity to reef influences density of small predatory fishes, while type of seagrass influences intensity of their predation on crabs. *Marine Ecology - Progress Series*, **2007**, 340, 235-243	2.6	25
15	Differences in trophic position among sympatric sea urchin species. *Estuarine, Coastal and Shelf Science*, **2006**, 66, 291-297	2.9	45
14	Marine sponges of the Dampier Archipelago, Western Australia: patterns of species distributions, abundance and diversity. *Biodiversity and Conservation*, **2006**, 15, 3731-3750	3.4	34
13	Export of detached macroalgae from reefs to adjacent seagrass beds. *Oecologia*, **2006**, 147, 692-701	2.9	81
12	Contrasting influence of sea urchins on attached and drift macroalgae. *Marine Ecology - Progress Series*, **2005**, 299, 101-110	2.6	43
11	Variation in abundances of herbivorous invertebrates in temperate subtidal rocky reef habitats. *Marine and Freshwater Research*, **2004**, 55, 93	2.2	53
10	Sources of variation in consumer-diet delta 15N enrichment: a meta-analysis. *Oecologia*, **2003**, 136, 169-82	2.9	1150
9	Patterns in fish assemblages 25 years after major seagrass loss. *Marine Ecology - Progress Series*, **2003**, 247, 225-235	2.6	19
8	Seaweeds in cold seas: evolution and carbon acquisition. *Annals of Botany*, **2002**, 90, 525-36	4.1	79
7	Mechanistic interpretation of carbon isotope discrimination by marine macroalgae and seagrasses. *Functional Plant Biology*, **2002**, 29, 355-378	2.7	227
6	A comparison of spatial and temporal patterns in epiphytic macroalgal assemblages of the seagrasses Amphibolis griffithii and Posidonia coriacea. *Marine Ecology - Progress Series*, **2002**, 236, 99-112	2.6	64
5	Using biological survey data when selecting Marine Protected Areas: an operational framework and associated risks. *Pacific Conservation Biology*, **2000**, 6, 152	1.2	13
4	Patchiness in assemblages of epiphytic macroalgae on Posidonia coriacea at a hierarchy of spatial scales. *Marine Ecology - Progress Series*, **2000**, 192, 127-135	2.6	39
3	Ecological Effects of Macroalgal Harvesting on Beaches in the Peel-Harvey Estuary, Western Australia. *Estuarine, Coastal and Shelf Science*, **1999**, 49, 295-309	2.9	17
2	Use of assemblages derived from different taxonomic levels to select areas for conserving marine biodiversity. *Biological Conservation*, **1998**, 86, 307-315	6.2	68
1	Effect of reducing taxonomic resolution on ordinations to detect pollution-induced gradients in macrobenthic infaunal assemblages. *Marine Ecology - Progress Series*, **1996**, 136, 137-145	2.6	70