

# Will F Figueira

## List of Publications by Citations

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73  
papers

4,683  
citations

29  
h-index

68  
g-index

79  
ext. papers

5,756  
ext. citations

5.4  
avg, IF

5.22  
L-index

#	Paper	IF	Citations
73	Global warming and recurrent mass bleaching of corals. <i>Nature</i> , <b>2017</b> , 543, 373-377	50.4	1539
72	The tropicalization of temperate marine ecosystems: climate-mediated changes in herbivory and community phase shifts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20140846	4.4	488
71	The impact of United States recreational fisheries on marine fish populations. <i>Science</i> , <b>2004</b> , 305, 1958-60	33.3	427
70	Engaging recreational fishers in management and conservation: global case studies. <i>Conservation Biology</i> , <b>2008</b> , 22, 1125-34	6	172
69	Increasing ocean temperatures allow tropical fishes to survive overwinter in temperate waters. <i>Global Change Biology</i> , <b>2010</b> , 16, 506-516	11.4	168
68	Isolation and sequence of a novel human chondrocyte protein related to mammalian members of the chitinase protein family. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 19415-20	5.4	154
67	Discovery of a high molecular weight complex of calcium, phosphate, fetuin, and matrix gamma-carboxyglutamic acid protein in the serum of etidronate-treated rats. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 3926-34	5.4	148
66	Occurrence of tropical fishes in temperate southeastern Australia: Role of the East Australian Current. <i>Estuarine, Coastal and Shelf Science</i> , <b>2007</b> , 72, 102-114	2.9	138
65	Latitudinal shifts in coral reef fishes: why some species do and others do not shift. <i>Fish and Fisheries</i> , <b>2014</b> , 15, 593-615	6	109
64	Accuracy and Precision of Habitat Structural Complexity Metrics Derived from Underwater Photogrammetry. <i>Remote Sensing</i> , <b>2015</b> , 7, 16883-16900	5	92
63	Understanding interactions between plasticity, adaptation and range shifts in response to marine environmental change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 374, 20180186	5.8	73
62	Global Impact of Recreational Fisheries. <i>Science</i> , <b>2005</b> , 307, 1561-1563	33.3	60
61	Quantifying the response of structural complexity and community composition to environmental change in marine communities. <i>Global Change Biology</i> , <b>2016</b> , 22, 1965-75	11.4	58
60	Performance of tropical fish recruiting to temperate habitats: role of ambient temperature and implications of climate change. <i>Marine Ecology - Progress Series</i> , <b>2009</b> , 384, 231-239	2.6	57
59	Defining patch contribution in source-sink metapopulations: the importance of including dispersal and its relevance to marine systems. <i>Population Ecology</i> , <b>2006</b> , 48, 215-224	2.1	52
58	Sydney Harbour: a review of anthropogenic impacts on the biodiversity and ecosystem function of one of the world. <i>Marine and Freshwater Research</i> , <b>2015</b> , 66, 1088	2.2	50
57	Complex habitats may not always benefit prey: linking visual field with reef fish behavior and distribution. <i>Marine Ecology - Progress Series</i> , <b>2007</b> , 329, 225-238	2.6	50

56	Connectivity or demography: Defining sources and sinks in coral reef fish metapopulations. <i>Ecological Modelling</i> , <b>2009</b> , 220, 1126-1137	3	49
55	3D photogrammetry quantifies growth and external erosion of individual coral colonies and skeletons. <i>Scientific Reports</i> , <b>2017</b> , 7, 16737	4.9	48
54	Climate-driven disparities among ecological interactions threaten kelp forest persistence. <i>Global Change Biology</i> , <b>2017</b> , 23, 353-361	11.4	46
53	Habitat structural complexity metrics improve predictions of fish abundance and distribution. <i>Ecography</i> , <b>2018</b> , 41, 1077-1091	6.5	41
52	Increasing microhabitat complexity on seawalls can reduce fish predation on native oysters. <i>Ecological Engineering</i> , <b>2018</b> , 120, 637-644	3.9	40
51	A review of the biology and ecology of key fishes targeted by coastal fisheries in south-east Australia: identifying critical knowledge gaps required to improve spatial management. <i>Reviews in Fish Biology and Fisheries</i> , <b>2013</b> , 23, 435-458	6	40
50	Characterization of measurement errors using structure-from-motion and photogrammetry to measure marine habitat structural complexity. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 5669-5681	2.8	35
49	Sydney Harbour: what we do and do not know about a highly diverse estuary. <i>Marine and Freshwater Research</i> , <b>2015</b> , 66, 1073	2.2	32
48	Assessing the trophic ecology of top predators across a recolonisation frontier using DNA metabarcoding of diets. <i>Marine Ecology - Progress Series</i> , <b>2017</b> , 573, 237-254	2.6	31
47	Fish-smart seawalls: a decision tool for adaptive management of marine infrastructure. <i>Frontiers in Ecology and the Environment</i> , <b>2018</b> , 16, 278-287	5.5	29
46	Refugia under threat: Mass bleaching of coral assemblages in high-latitude eastern Australia. <i>Global Change Biology</i> , <b>2019</b> , 25, 3918-3931	11.4	29
45	Variable responses of benthic communities to anomalously warm sea temperatures on a high-latitude coral reef. <i>PLoS ONE</i> , <b>2014</b> , 9, e113079	3.7	29
44	A meta-analysis of the interspecific relationship between seed size and plant abundance within local communities. <i>Oikos</i> , <b>2005</b> , 110, 191-194	4	25
43	Marine infrastructure supports abundant, diverse fish assemblages at the expense of beta diversity. <i>Marine Biology</i> , <b>2018</b> , 165, 1	2.5	22
42	Australian sea-floor survey data, with images and expert annotations. <i>Scientific Data</i> , <b>2015</b> , 2, 150057	8.2	22
41	Assessing range shifts of tropical reef fishes: a comparison of belt transect and roaming underwater visual census methods. <i>Bulletin of Marine Science</i> , <b>2014</b> , 90, 705-721	1.3	22
40	Context-dependent risk tolerance of the bicolor damselfish: courtship in the presence of fish and egg predators. <i>Animal Behaviour</i> , <b>2007</b> , 74, 329-336	2.8	20
39	Small-scale demographic variability of the bicolor damselfish, <i>Stegastes partitus</i> , in the Florida Keys USA. <i>Environmental Biology of Fishes</i> , <b>2008</b> , 81, 297-311	1.6	20

38	Integrating distribution models and habitat classification maps into marine protected area planning. <i>Estuarine, Coastal and Shelf Science</i> , <b>2018</b> , 212, 40-50	2.9	19
37	Predicting Success of Range-Expanding Coral Reef Fish in Temperate Habitats Using Temperature-Abundance Relationships. <i>Frontiers in Marine Science</i> , <b>2018</b> , 5,	4.5	18
36	High-resolution photo-mosaic time-series imagery for monitoring human use of an artificial reef. <i>Ecology and Evolution</i> , <b>2016</b> , 6, 6963-6968	2.8	17
35	Cyclonic entrainment? The ichthyoplankton attributes of three major water mass types generated by the separation of the East Australian Current. <i>ICES Journal of Marine Science</i> , <b>2014</b> , 71, 1696-1705	2.7	16
34	Latitude-wide genetic patterns reveal historical effects and contrasting patterns of turnover and nestedness at the range peripheries of a tropical marine fish. <i>Ecography</i> , <b>2015</b> , 38, 1212-1224	6.5	15
33	Key drivers of effectiveness in small marine protected areas. <i>Biodiversity and Conservation</i> , <b>2018</b> , 27, 2217-2242	3.4	15
32	Can temperature-dependent predation rates regulate range expansion potential of tropical vagrant fishes?. <i>Marine Biology</i> , <b>2019</b> , 166, 1	2.5	14
31	Selective mortality of a coral reef damselfish: role of predator-competitor synergisms. <i>Oecologia</i> , <b>2008</b> , 156, 215-26	2.9	14
30	Larval traits show temporally consistent constraints, but are decoupled from postsettlement juvenile growth, in an intertidal fish. <i>Journal of Animal Ecology</i> , <b>2018</b> , 87, 1353-1363	4.7	12
29	Factors driving the biogeographic distribution of two temperate Australian damselfishes and ramifications for range shifts. <i>Marine Ecology - Progress Series</i> , <b>2013</b> , 484, 189-202	2.6	11
28	Effects of temperature on macronutrient selection, metabolic and swimming performance of the Indo-Pacific Damselfish ( <i>Abudefduf vaigiensis</i> ). <i>Marine Biology</i> , <b>2018</b> , 165, 1	2.5	11
27	A meta-analysis comparing the toxicity of sediments in the laboratory and in situ. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 1148-52	3.8	10
26	Review and meta-analysis of the importance of remotely sensed habitat structural complexity in marine ecology. <i>Estuarine, Coastal and Shelf Science</i> , <b>2020</b> , 235, 106468	2.9	10
25	Large-scale assessment of benthic communities across multiple marine protected areas using an autonomous underwater vehicle. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193711	3.7	9
24	Effects of the receiving assemblage and disturbance on the colonisation of an invasive species. <i>Marine Biology</i> , <b>2016</b> , 163, 1	2.5	8
23	Fur seal activity moderates the effects of an Australian marine sanctuary on temperate reef fish. <i>Biological Conservation</i> , <b>2015</b> , 182, 205-214	6.2	8
22	Patterns of the non-indigenous isopod <i>Cirolana harfordi</i> in Sydney Harbour. <i>PLoS ONE</i> , <b>2014</b> , 9, e86765	3.7	8
21	Modelling urban populations of the Australian White Ibis ( <i>Threskiornis molucca</i> ) to inform management. <i>Population Ecology</i> , <b>2013</b> , 55, 567-574	2.1	7

20	Plasticity in Three-Dimensional Geometry of Branching Corals Along a Cross-Shelf Gradient. <i>Diversity</i> , <b>2019</b> , 11, 44	2.5	6
19	Metapopulation Ecology and Marine Conservation <b>2006</b> , 491-515		5
18	Upgrades of coastal protective infrastructure affect benthic communities. <i>Journal of Applied Ecology</i> , <b>2021</b> , 58, 295-303	5.8	5
17	Risk balancing through selective use of social and physical information: a case study in the humbug damselfish. <i>Journal of Zoology</i> , <b>2019</b> , 308, 235-242	2	4
16	Community-level impacts of the invasive isopod <i>Cirolana harfordi</i> . <i>Biological Invasions</i> , <b>2015</b> , 17, 1149-1167	1.7	4
15	Optimising Sampling Strategies in Coral Reefs Using Large-Area Mosaics. <i>Remote Sensing</i> , <b>2019</b> , 11, 29075		4
14	Natural and anthropogenic climate variability shape assemblages of range-extending coral-reef fishes. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 1063-1075	4.1	3
13	Neolithic Temples of Malta: 3D analysis points to novel roof reconstruction. <i>Digital Applications in Archaeology and Cultural Heritage</i> , <b>2019</b> , 13, e00095	2.1	2
12	Size and stage-dependent vertical migration patterns in reef-associated fish larvae off the eastern coast of Australia. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2020</b> , 164, 103362	2.5	2
11	Photogrammetry as a tool to improve ecosystem restoration. <i>Trends in Ecology and Evolution</i> , <b>2021</b> , 36, 1093-1101	10.9	2
10	Resistance and Buffer Capacity <b>2008</b> , 3004-3009		1
9	Age, growth and reproductive biology of two endemic demersal bycatch elasmobranchs: <i>Trygonorrhina fasciata</i> and <i>Dentiraja australis</i> (Chondrichthyes: Rhinopristiformes, Rajiformes) from Eastern Australia. <i>Zoologia</i> , <b>37</b> , 1-12	2	1
8	Diet and feeding habits of two endemic demersal bycatch elasmobranchs: <i>Trygonorrhina fasciata</i> & <i>Dentiraja australis</i> . <i>Ichthyological Research</i> , <b>2020</b> , 67, 320-329	0.8	1
7	The overlooked role of taphonomy in ecology: post-mortem processes can outweigh recruitment effects on community functions. <i>Oikos</i> , <b>2020</b> , 129, 420-432	4	1
6	Morphodynamic Controls for Growth and Evolution of a Rubble Coral Island. <i>Remote Sensing</i> , <b>2021</b> , 13, 1582	5	1
5	Linking habitat interactions and biodiversity within seascapes. <i>Ecosphere</i> , <b>2022</b> , 13,	3.1	1
4	Evaluating the effectiveness of drones for quantifying invasive upside-down jellyfish ( <i>Cassiopea</i> sp.) in Lake Macquarie, Australia.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0262721	3.7	0
3	Genetic and phenotypic variation exhibit both predictable and stochastic patterns across an intertidal fish metapopulation. <i>Molecular Ecology</i> , <b>2021</b> , 30, 4392-4414	5.7	0

- 2 Oposing life stage-specific effects of ocean warming at source and sink populations of range-shifting coral-reef fishes. *Journal of Animal Ecology*, **2021**, 90, 615-627 4.7 ○
- 1 Assessing the role of competitive processes in mediating the range expansions of tropical vagrant fish. *Marine Ecology*, **2021**, 42, e12644 1.4