

# Jonathan Belmaker

## List of Publications by Year in descending order

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Version: 2024-02-01

84  
papers

4,694  
citations

136950

32  
h-index

110387

64  
g-index

97  
all docs

97  
docs citations

97  
times ranked

8536  
citing authors

#	ARTICLE	IF	CITATIONS
1	EltonTraits 1.0: Species-level foraging attributes of the world's birds and mammals. <i>Ecology</i> , 2014, 95, 2027-2027.	3.2	1,212
2	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018, 27, 760-786.	5.8	289
3	The global biogeography of polyploid plants. <i>Nature Ecology and Evolution</i> , 2019, 3, 265-273.	7.8	208
4	Inferring local ecological processes amid species pool influences. <i>Trends in Ecology and Evolution</i> , 2012, 27, 600-607.	8.7	188
5	Relative roles of ecological and energetic constraints, diversification rates and region history on global species richness gradients. <i>Ecology Letters</i> , 2015, 18, 563-571.	6.4	128
6	Cross-scale variation in species richness-environment associations. <i>Global Ecology and Biogeography</i> , 2011, 20, 464-474.	5.8	123
7	Niche shift can impair the ability to predict invasion risk in the marine realm: an illustration using Mediterranean fish invaders. <i>Ecology Letters</i> , 2015, 18, 246-253.	6.4	121
8	Is oxygen limitation in warming waters a valid mechanism to explain decreased body sizes in aquatic ectotherms?. <i>Global Ecology and Biogeography</i> , 2019, 28, 64-77.	5.8	115
9	Biologists ignore ocean weather at their peril. <i>Nature</i> , 2018, 560, 299-301.	27.8	104
10	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. <i>Biological Conservation</i> , 2021, 263, 109175.	4.1	96
11	Assessing the suitability of diversity metrics to detect biodiversity change. <i>Biological Conservation</i> , 2017, 213, 341-350.	4.1	92
12	Large but uneven reduction in fish size across species in relation to changing sea temperatures. <i>Global Change Biology</i> , 2017, 23, 3667-3674.	9.5	86
13	Upgrading Marine Ecosystem Restoration Using Ecological-Social Concepts. <i>BioScience</i> , 2016, 66, 156-163.	4.9	85
14	Global patterns of specialization and coexistence in bird assemblages. <i>Journal of Biogeography</i> , 2012, 39, 193-203.	3.0	80
15	Contrasting changes in the abundance and diversity of North American bird assemblages from 1971 to 2010. <i>Global Change Biology</i> , 2016, 22, 3948-3959.	9.5	79
16	Global mismatch between species richness and vulnerability of reef fish assemblages. <i>Ecology Letters</i> , 2014, 17, 1101-1110.	6.4	78
17	Empirical evidence for the scale dependence of biotic interactions. <i>Global Ecology and Biogeography</i> , 2015, 24, 750-761.	5.8	67
18	Ecological traits and environmental affinity explain <i>R</i> -ed <i>S</i> -ea fish introduction into the <i>M</i> -editerranean. <i>Global Change Biology</i> , 2013, 19, 1373-1382.	9.5	66

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19	Downscaling of species distribution models: a hierarchical approach. <i>Methods in Ecology and Evolution</i> , 2013, 4, 82-94.	5.2	63
20	The Tropical Seagrass <i>Halophila stipulacea</i> : Reviewing What We Know From Its Native and Invasive Habitats, Alongside Identifying Knowledge Gaps. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	62
21	Thermal affinity as the dominant factor changing Mediterranean fish abundances. <i>Global Change Biology</i> , 2018, 24, e80-e89.	9.5	58
22	Are we ready to track climate-driven shifts in marine species across international boundaries? A global survey of scientific bottom trawl data. <i>Global Change Biology</i> , 2021, 27, 220-236.	9.5	51
23	Regional Pools and Environmental Controls of Vertebrate Richness. <i>American Naturalist</i> , 2012, 179, 512-523.	2.1	49
24	Incorporating physiology into species distribution models moderates the projected impact of warming on selected Mediterranean marine species. <i>Ecography</i> , 2020, 43, 1090-1106.	4.5	49
25	Spatial Scaling of Functional Structure in Bird and Mammal Assemblages. <i>American Naturalist</i> , 2013, 181, 464-478.	2.1	47
26	Patterns of species richness, endemism and environmental gradients of African reptiles. <i>Journal of Biogeography</i> , 2016, 43, 2380-2390.	3.0	42
27	REGIONAL VARIATION IN THE HIERARCHICAL PARTITIONING OF DIVERSITY IN CORAL-DWELLING FISHES. <i>Ecology</i> , 2008, 89, 2829-2840.	3.2	41
28	Lag times in Lessepsian fish invasion. <i>Biological Invasions</i> , 2016, 18, 2761-2772.	2.4	41
29	Expanding conservation culturomics and iEcology from terrestrial to aquatic realms. <i>PLoS Biology</i> , 2020, 18, e3000935.	5.6	41
30	Distance decay 2.0 A global synthesis of taxonomic and functional turnover in ecological communities. <i>Global Ecology and Biogeography</i> , 2022, 31, 1399-1421.	5.8	40
31	Expanding marine protected areas to include degraded coral reefs. <i>Conservation Biology</i> , 2016, 30, 1182-1191.	4.7	39
32	Species richness of resident and transient coral-dwelling fish responds differentially to regional diversity. <i>Global Ecology and Biogeography</i> , 2009, 18, 426-436.	5.8	37
33	Estimating the rate of biological introductions: Lessepsian fishes in the Mediterranean. <i>Ecology</i> , 2009, 90, 1134-1141.	3.2	31
34	The Interplay Between Landscape Structure and Biotic Interactions. <i>Current Landscape Ecology Reports</i> , 2017, 2, 12-29.	2.2	30
35	Geographic isolation and larval dispersal shape seascape genetic patterns differently according to spatial scale. <i>Evolutionary Applications</i> , 2018, 11, 1437-1447.	3.1	30
36	Does scale matter? A systematic review of incorporating biological realism when predicting changes in species distributions. <i>PLoS ONE</i> , 2018, 13, e0194650.	2.5	29

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37	Using exclusion rate to unify niche and neutral perspectives on coexistence. <i>Oikos</i> , 2017, 126, 1451-1458.	2.7	28
38	Trait structure reveals the processes underlying fish establishment in the Mediterranean. <i>Global Ecology and Biogeography</i> , 2017, 26, 142-153.	5.8	28
39	A meta-analysis reveals edge effects within marine protected areas. <i>Nature Ecology and Evolution</i> , 2021, 5, 1301-1308.	7.8	27
40	Effects of small-scale isolation and predation on fish diversity on experimental reefs. <i>Marine Ecology - Progress Series</i> , 2005, 289, 273-283.	1.9	27
41	Among-species overlap in rodent body size distributions predicts species richness along a temperature gradient. <i>Ecography</i> , 2018, 41, 1718-1727.	4.5	25
42	Niche breadth and species richness: Correlation strength, scale and mechanisms. <i>Global Ecology and Biogeography</i> , 2020, 29, 159-170.	5.8	25
43	Mediterranean marine protected areas have higher biodiversity via increased evenness, not abundance. <i>Journal of Applied Ecology</i> , 2020, 57, 578-589.	4.0	25
44	Non-stationarity in the co-occurrence patterns of species across environmental gradients. <i>Journal of Ecology</i> , 2017, 105, 391-399.	4.0	24
45	Habitat utilization by an invasive herbivorous fish ( <i>Siganus rivulatus</i> ) in its native and invaded range. <i>Biological Invasions</i> , 2018, 20, 3499-3512.	2.4	24
46	Shifts in Eastern Mediterranean Fish Communities: Abundance Changes, Trait Overlap, and Possible Competition between Native and Non-Native Species. <i>Fishes</i> , 2018, 3, 19.	1.7	24
47	Drinking water boosts food intake rate, body mass increase and fat accumulation in migratory blackcaps ( <i>Sylvia atricapilla</i> ). <i>Oecologia</i> , 2008, 156, 21-30.	2.0	22
48	The Eurasian hot nightlife: Environmental forces associated with nocturnality in lizards. <i>Global Ecology and Biogeography</i> , 2017, 26, 1316-1325.	5.8	22
49	Determinants of the steep species-area relationship of coral reef fishes. <i>Coral Reefs</i> , 2007, 26, 103-112.	2.2	21
50	The global biogeography of lizard functional groups. <i>Journal of Biogeography</i> , 2019, 46, 2147-2158.	3.0	21
51	Cold-water species deepen to escape warm water temperatures. <i>Global Ecology and Biogeography</i> , 2022, 31, 75-88.	5.8	21
52	The influence of connectivity on richness and temporal variation of reef fishes. <i>Landscape Ecology</i> , 2011, 26, 587-597.	4.2	19
53	The impact of long-term continuous risk of predation on two species of gerbils. <i>Canadian Journal of Zoology</i> , 2004, 82, 464-474.	1.0	18
54	Reduced human activity in shallow reefs during the COVID-19 pandemic increases fish evenness. <i>Biological Conservation</i> , 2021, 257, 109103.	4.1	18

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55	Non-indigenous molluscs in the Eastern Mediterranean have distinct traits and cannot replace historic ecosystem functioning. <i>Global Ecology and Biogeography</i> , 2022, 31, 89-102.	5.8	18
56	The determinants of species richness of a relatively young coral-reef ichthyofauna. <i>Journal of Biogeography</i> , 2006, 33, 1289-1294.	3.0	16
57	Decreases in length at maturation of Mediterranean fishes associated with higher sea temperatures. <i>ICES Journal of Marine Science</i> , 2019, 76, 946-959.	2.5	16
58	Alien species stabilize local fisheries catch in a highly invaded ecosystem. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 752-761.	1.4	16
59	Habitat patchiness and predation modify the distribution of a coral-dwelling damselfish. <i>Marine Biology</i> , 2009, 156, 447-454.	1.5	15
60	Tropical bird species have less variable body sizes. <i>Biology Letters</i> , 2018, 14, 20170453.	2.3	15
61	A closer examination of the "abundant centre" hypothesis for reef fishes. <i>Journal of Biogeography</i> , 2020, 47, 2194-2209.	3.0	15
62	SPECIES DIVERSITY CAN DRIVE SPECIATION: COMMENT. <i>Ecology</i> , 2007, 88, 2132-2135.	3.2	14
63	Global reef fish richness gradients emerge from divergent and scale-dependent component changes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170947.	2.6	14
64	Coastal breeding aggregations of threatened stingrays and guitarfish in the Levant. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 1160-1171.	2.0	14
65	Habitat niche breadth predicts invasiveness in solitary ascidians. <i>Ecology and Evolution</i> , 2017, 7, 7838-7847.	1.9	12
66	Remarkable size-spectra stability in a marine system undergoing massive invasion. <i>Biology Letters</i> , 2017, 13, 20170159.	2.3	12
67	Catch dynamics of set net fisheries in Israel. <i>Fisheries Research</i> , 2019, 213, 1-11.	1.7	10
68	Palaeocene-Eocene evolution of beta diversity among ungulate mammals in North America. <i>Global Ecology and Biogeography</i> , 2014, 23, 757-768.	5.8	9
69	Comparison of wormlions and their immediate habitat under man-made and natural shelters: suggesting factors making wormlions successful in cities. <i>Zoology</i> , 2018, 130, 38-46.	1.2	8
70	Ecological pleiotropy and indirect effects alter the potential for evolutionary rescue. <i>Evolutionary Applications</i> , 2019, 12, 636-654.	3.1	8
71	A review of seascape complexity indices and their performance in coral and rocky reefs. <i>Methods in Ecology and Evolution</i> , 2021, 12, 681-695.	5.2	7
72	Native-exotic diversity relationships for Eastern Mediterranean fishes reveal a weak pattern of interactions. <i>Marine Ecology - Progress Series</i> , 2019, 611, 215-220.	1.9	7

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73	Specialization and the road to academic success. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 514-515.	4.0	6
74	Predation Cues Lead to Reduced Foraging of Invasive <i>Siganus rivulatus</i> in the Mediterranean. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
75	Synthesizing drivers of fish functional responses across species. <i>Fish and Fisheries</i> , 2022, 23, 376-391.	5.3	5
76	Estimating ecological count-based measures from the point-intercept method. <i>Marine Ecology - Progress Series</i> , 2016, 556, 123-130.	1.9	5
77	Highly repetitive space-use dynamics in parrotfishes. <i>Coral Reefs</i> , 2022, 41, 1059-1073.	2.2	5
78	An invasive herbivorous fish ( <i>Siganus rivulatus</i> ) influences both benthic and planktonic microbes through defecation and nutrient excretion. <i>Science of the Total Environment</i> , 2022, 838, 156207.	8.0	5
79	Shift and homogenization of gut microbiome during invasion in marine fishes. <i>Animal Microbiome</i> , 2022, 4, .	3.8	5
80	Large Individual-Level Variability in Diel Activity and Depth Use for the Common Lionfish ( <i>Pterois</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.5	3
81	Geographic divergence in the relationship between <i>Paragobiodon echinocephalus</i> and its obligate coral host. <i>Journal of Fish Biology</i> , 2007, 71, 1555-1561.	1.6	2
82	Potential Pitfalls in the Definition of Lessepsian Migrants: The Case of <i>Brachidontes</i> . , 2021, , 1293-1307.		2
83	opinion: Habitat data resolution and the detection of species interactions. <i>Frontiers of Biogeography</i> , 2012, 2, .	1.8	0
84	Little spatial and temporal segregation between coexisting lionfishes ( <i>Pterois miles</i> and <i>Pterois</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.6	0