

# Russell B Millar

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

2,468  
citations

361413

20  
h-index

206112

48  
g-index

90  
all docs

90  
docs citations

90  
times ranked

2519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Introducing selfisher: open source software for statistical analyses of fishing gear selectivity. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 1189-1197.	1.4	9
2	Near-future oceanic CO2 delays development and growth in early-stage larvae of the endemic New Zealand sea urchin, <i>Evechinus chloroticus</i> . Marine Biology, 2021, 168, 1.	1.5	4
3	Size selectivity of the scallop fishery in the southern Gulf of St. Lawrence: Effects of ring size and washer type. Fisheries Research, 2021, 243, 106103.	1.7	1
4	Relative benthic disturbances of conventional and novel otter boards and ground gears. Fisheries Science, 2020, 86, 245-254.	1.6	1
5	Effects of season and mesh size on the selection of narrow-barred Spanish mackerel, <i>Scomberomorus commerson</i> in the Persian Gulf artisanal gillnet fishery. Journal of the Marine Biological Association of the United Kingdom, 2020, 100, 1321-1325.	0.8	2
6	Further improvements in sorting grids for the crustacean trawl fishery off the Southern coast of Portugal. Fisheries Research, 2019, 219, 105329.	1.7	2
7	Cumulative selectivity benefits of increasing mesh size and using escape gaps in Australian <i>Portunus armatus</i> traps. Fisheries Management and Ecology, 2019, 26, 319-326.	2.0	9
8	Mother's embryo isotope fractionation in the pygmy devilray <i>Mobula kuhlii</i> cf. <i>eregoodootenkee</i> . Journal of Fish Biology, 2019, 95, 589-593.	1.6	7
9	Rachel Fewster: Recipient of NZSA Campbell Award 2018. Australian and New Zealand Journal of Statistics, 2019, 61, 397-400.	0.9	0
10	Utility of multiple escape gaps in Australian <i>Scylla serrata</i> traps. Fisheries Research, 2018, 204, 88-94.	1.7	16
11	Conditional vs marginal estimation of the predictive loss of hierarchical models using WAIC and cross-validation. Statistics and Computing, 2018, 28, 375-385.	1.5	23
12	Configuring escape gaps in recreational rectangular traps to improve size selection for eastern rock lobster, <i>Sagmariasus verreauxi</i> . Fisheries Research, 2018, 207, 182-186.	1.7	7
13	Short-term mortality of trapped and discarded <i>Portunus armatus</i> following ice slurry immersion. Fisheries Management and Ecology, 2018, 25, 350-355.	2.0	2
14	Reducing the marine debris of recreational hoop nets in south-eastern Australia. Marine Pollution Bulletin, 2017, 119, 40-47.	5.0	7
15	Remotely sensed habitat variables are poor surrogates for functional traits of rocky reef fish assemblages. Environmental Conservation, 2016, 43, 368-375.	1.3	9
16	Damage and mortality of juvenile seabob shrimp ( <i>Xiphopenaeus kroyeri</i> ) discarded in a tropical artisanal trawl fishery. ICES Journal of Marine Science, 2016, 73, 2364-2369.	2.5	1
17	Relative benthic disturbances of conventional and novel otter boards. ICES Journal of Marine Science, 2015, 72, 2450-2456.	2.5	5
18	A better estimator of mortality rate from age-frequency data. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 364-375.	1.4	16

#	ARTICLE	IF	CITATIONS
19	Increasing lateral mesh openings in penaeid trawls to improve selection and reduce drag. Fisheries Research, 2015, 170, 68-75.	1.7	9
20	Effects of diel period and diurnal cloud cover on the species selection of short and long penaeid trawls. Fisheries Research, 2015, 170, 144-151.	1.7	8
21	Angling-Induced Barotrauma in Snapper <i>Chrysophrys auratus</i> : Are There Consequences for Reproduction?. PLoS ONE, 2015, 10, e0119158.	2.5	5
22	A "Simple Anterior Fish Excluder"™ (SAFE) for Mitigating Penaeid-Trawl Bycatch. PLoS ONE, 2015, 10, e0123124.	2.5	14
23	Temporal hooking variability among sharks on south-eastern Australian demersal longlines and implications for their management. Global Ecology and Conservation, 2014, 2, 181-189.	2.1	13
24	Fertilization success of the New Zealand geoduck, <i>Panopea zelandica</i> : Effects of sperm concentration, gamete age and contact time. Aquaculture Research, 2014, 45, 1380-1388.	1.8	12
25	A one-step-ahead pseudo-DIC for comparison of Bayesian state-space models. Biometrics, 2014, 70, 972-980	4	3
26	Ocean Acidification and Fertilization in the Antarctic Sea Urchin <i>Sterechinus neumayeri</i> : the Importance of Polyspermy. Environmental Science & Technology, 2014, 48, 713-722.	10.0	34
27	Configuring the Mesh Size, Side Taper and Wing Depth of Penaeid Trawls to Reduce Environmental Impacts. PLoS ONE, 2014, 9, e99434.	2.5	10
28	Comparison of catches and species composition for flounders caught using gillnets, gillnets with supporting lines, and trammel nets. Journal of the Korean Society of Fisheries Technology, 2014, 50, 1-11.	0.2	0
29	Mortality of adult plaice, <i>Pleuronectes platessa</i> and sole, <i>Solea solea</i> discarded from English Channel beam trawlers. Fisheries Research, 2013, 147, 320-326.	1.7	20
30	A simple variance estimator for the trapezoidal area-under-the-curve estimator of the spawner abundance of Pacific salmon. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 1231-1239.	1.4	10
31	Promising the moon? Evaluation of indigenous and lunar fishing calendars using semiparametric generalized mixed models of recreational catch data. Environmental and Ecological Statistics, 2013, 20, 591-608.	3.5	12
32	Beta Diversity of Demersal Fish Assemblages in the North-Eastern Pacific: Interactions of Latitude and Depth. PLoS ONE, 2013, 8, e57918.	2.5	35
33	Incorporating the intraspecific occupancy-abundance relationship into zero-inflated models. Ecology, 2012, 93, 2526-2532.	3.2	21
34	Size selectivity of Korean flounder ( <i>Glyptocephalus stelleri</i> ) by gillnets and trammel nets using an extension of SELECT for experiments with differing mesh sizes. Fisheries Research, 2011, 107, 196-200.	1.7	14
35	Much ado about nothings: using zero similarity points in distance-decay curves. Ecology, 2011, 92, 1717-1722.	3.2	34
36	Reliability of size-selectivity estimates from paired-trawl and covered-codend experiments. ICES Journal of Marine Science, 2010, 67, 530-536.	2.5	8

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37	Diamond- vs. square-mesh codend selectivity in southeastern Australian estuarine squid trawls. Fisheries Research, 2010, 102, 276-285.	1.7	4
38	Using a double codend to reduce discard mortality. ICES Journal of Marine Science, 2009, 66, 2077-2081.	2.5	7
39	Comparison of Hierarchical Bayesian Models for Overdispersed Count Data using DIC and Bayes' Factors. Biometrics, 2009, 65, 962-969.	1.4	116
40	Effects of codend circumference and twine diameter on selection in south-eastern Australian fish trawls. Fisheries Research, 2009, 95, 341-349.	1.7	28
41	Square-mesh codend circumference and selectivity. ICES Journal of Marine Science, 2009, 66, 566-572.	2.5	31
42	Codend selection in the deep-water crustacean trawl fishery in Portuguese southern waters. Fisheries Research, 2007, 85, 49-60.	1.7	21
43	Intra-fleet variability in the size selectivity of a square-mesh trawl codend for school prawns ( <i>Metapenaeus macleayi</i> ). Fisheries Research, 2007, 86, 92-98.	1.7	13
44	Isolating selection mechanisms in beach seines. Fisheries Research, 2007, 88, 56-69.	1.7	9
45	Assessment of locally influential observations in Bayesian models. Bayesian Analysis, 2007, 2, .	3.0	14
46	Nonlinear multivariate models of successional change in community structure using the von Bertalanffy curve. Oecologia, 2005, 146, 279-286.	2.0	9
47	Automatic calculation of the sensitivity of Bayesian fisheries models to informative priors. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 1028-1036.	1.4	5
48	FITTING NONLINEAR ENVIRONMENTAL GRADIENTS TO COMMUNITY DATA: A GENERAL DISTANCE-BASED APPROACH. Ecology, 2005, 86, 2245-2251.	3.2	26
49	Increasing codend mesh openings: an appropriate strategy for improving the selectivity of penaeid fishing gears in an Australian estuary?. Marine and Freshwater Research, 2005, 56, 889.	1.3	18
50	Atypical size selection of captive school prawns, <i>Metapenaeus macleayi</i> , by three recreational fishing gears in south-eastern Australia. New Zealand Journal of Marine and Freshwater Research, 2004, 38, 755-766.	2.0	7
51	Using marine reserves to estimate fishing mortality. Ecology Letters, 2004, 8, 47-52.	6.4	34
52	The utility of square mesh to reduce bycatch in Hawkesbury River prawn trawls. Ecological Management and Restoration, 2004, 5, 221-225.	1.5	6
53	SIMULATED MAXIMUM LIKELIHOOD APPLIED TO NON-GAUSSIAN AND NONLINEAR MIXED EFFECTS AND STATE-SPACE MODELS. Australian and New Zealand Journal of Statistics, 2004, 46, 543-554.	0.9	4
54	Sensitivity of Bayes Estimators to Hyper-Parameters with an Application to Maximum Yield from Fisheries. Biometrics, 2004, 60, 536-542.	1.4	9

#	ARTICLE	IF	CITATIONS
55	Spatial variation and effects of habitat on temperate reef fish assemblages in northeastern New Zealand. <i>Journal of Experimental Marine Biology and Ecology</i> , 2004, 305, 191-221.	1.5	240
56	Modelling between-haul variability in the size selectivity of trawls. <i>Fisheries Research</i> , 2004, 67, 171-181.	1.7	91
57	Selectivity of conventional diamond- and novel square-mesh codends in an Australian estuarine penaeid-trawl fishery. <i>Fisheries Research</i> , 2004, 67, 183-194.	1.7	71
58	Remedies for pseudoreplication. <i>Fisheries Research</i> , 2004, 70, 397-407.	1.7	245
59	The kinetics of monospermic and polyspermic fertilization in free-spawning marine invertebrates. <i>Journal of Theoretical Biology</i> , 2003, 224, 79-85.	1.7	27
60	Protection of exploited fish in temperate regions: high density and biomass of snapper <i>Pagrus auratus</i> (Sparidae) in northern New Zealand marine reserves. <i>Journal of Applied Ecology</i> , 2003, 40, 214-227.	4.0	214
61	Abundance, distribution, and size structure of toheroa ( <i>Paphies ventricosa</i> ) at Ripiro Beach, Dargaville, Northland, New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2002, 36, 547-553.	2.0	3
62	Non-linear state space modelling of fisheries biomass dynamics by using Metropolis-Hastings within Gibbs sampling. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2000, 49, 327-342.	1.0	117
63	Estimating the size-selection curves of towed gears, traps, nets and hooks. <i>Reviews in Fish Biology and Fisheries</i> , 1999, 9, 89-116.	4.9	364
64	Title is missing!. <i>Reviews in Fish Biology and Fisheries</i> , 1999, 9, 117-118.	4.9	5
65	Abundance of large toheroa ( <i>Paphies ventricosa</i> Gray) at Oreti Beach, 1971-90, estimated from two-dimensional systematic samples. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1995, 29, 93-99.	2.0	7
66	Size Selectivity of Diamond and Square Mesh Codends in Pelagic Herring Trawls: Only Small Herring Will Notice the Difference. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 2104-2117.	1.4	45
67	Estimating the Size-selectivity of Fishing Gear by Conditioning on the Total Catch. <i>Journal of the American Statistical Association</i> , 1992, 87, 962-968.	3.1	221
68	Estimating the Size-Selectivity of Fishing Gear by Conditioning on the Total Catch. <i>Journal of the American Statistical Association</i> , 1992, 87, 962.	3.1	69