Rudy J Kloser

List of Publications by Year
in descending order

48 papers	2,031 citations	304743 22 h-index	289244 40 g-index
51 all docs	51 docs citations	51 times ranked	2307 citing authors

#	Article	IF	Citations
1	Seamount megabenthic assemblages fail to recover from trawling impacts. Marine Ecology, 2010, 31, 183-199.	1.1	208
2	Acoustic seabed classification: current practice and future directions. ICES Journal of Marine Science, 2008, 65, 1004-1011.	2.5	198
3	From siphonophores to deep scattering layers: uncertainty ranges for the estimation of global mesopelagic fish biomass. ICES Journal of Marine Science, 2019, 76, 718-733.	2.5	146
4	Acoustic observations of micronekton fish on the scale of an ocean basin: potential and challenges. ICES Journal of Marine Science, 2009, 66, 998-1006.	2.5	132
5	The trophodynamics of marine top predators: Current knowledge, recent advances and challenges. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 113, 170-187.	1.4	132
6	Acoustic biomass estimation of mesopelagic fish: backscattering from individuals, populations, and communities. ICES Journal of Marine Science, 2015, 72, 1413-1424.	2.5	121
7	Experience in implementing harvest strategies in Australia's south-eastern fisheries. Fisheries Research, 2008, 94, 373-379.	1.7	116
8	Scales of habitat heterogeneity and megabenthos biodiversity on an extensive Australian continental margin (100â€"1100â€ƒm depths). Marine Ecology, 2010, 31, 222-236.	1.1	94
9	Reducing bias due to noise and attenuation in open-ocean echo integration data. ICES Journal of Marine Science, 2015, 72, 2482-2493.	2.5	91
10	Australiaâ€™s deep-water reserve network: implications of false homogeneity for classifying abiotic surrogates of biodiversity. ICES Journal of Marine Science, 2009, 66, 214-224.	2.5	72
11	Towards an acousticâ€based coupled observation and modelling system for monitoring and predicting ecosystem dynamics of the open ocean. Fish and Fisheries, 2013, 14, 605-615.	5.3	66
12	Optimization of a micronekton model with acoustic data. ICES Journal of Marine Science, 2015, 72, 1399-1412.	2.5	56
13	The biological oceanography of the East Australian Current and surrounding waters in relation to tuna and billfish catches off eastern Australia. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 720-733.	1.4	55
14	Salp-falls in the Tasman Sea: a major food input to deep-sea benthos. Marine Ecology - Progress Series, 2013, 491, 165-175.	1.9	55
15	Deep-scattering layer, gas-bladder density, and size estimates using a two-frequency acoustic and optical probe. ICES Journal of Marine Science, 2016, 73, 2037-2048.	2.5	53
16	Modeling What We Sample and Sampling What We Model: Challenges for Zooplankton Model Assessment. Frontiers in Marine Science, 2017, 4, .	2.5	46
17	Measurement and visual verification of fish target strength using an acoustic-optical system attached to a trawlnet. ICES Journal of Marine Science, 2009, 66, 1238-1244.	2.5	44
18	Climate impacts and oceanic top predators: moving from impacts to adaptation in oceanic systems. Reviews in Fish Biology and Fisheries, 2013, 23, 537-546.	4.9	34

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19	Seafloor habitat definition for spatial management in fisheries: A case study on the continental shelf of southeast Australia. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 1999, 22, 705-720.	0.7	32
20	Productivity enhances benthic species richness along an oligotrophic <scp>I</scp>ndian <scp>O</scp>cean continental margin. Global Ecology and Biogeography, 2015, 24, 462-471.	5.8	29
21	Biology and Ecology of Irukandji Jellyfish (Cnidaria: Cubozoa). Advances in Marine Biology, 2013, 66, 1-85.	1.4	27
22	Cross-basin heterogeneity in lanternfish (family Myctophidae) assemblages and isotopic niches ($Î´13C$) Tj ETQq0 0 0 rgBT /Overlock 10 T Papers, 2012, 69, 113-127.	1.4	23
23	In situ measurements of target strength with optical and model verification: a case study for blue grenadier, Macruronus novaezelandiae. ICES Journal of Marine Science, 2011, 68, 1986-1995.	2.5	22
24	Optimising fisheries management in relation to tuna catches in the western central Pacific Ocean: A review of research priorities and opportunities. Marine Policy, 2015, 59, 94-104.	3.2	15
25	Identification and target strength of orange roughy (Hoplostethus atlanticus) measuredin situ. Journal of the Acoustical Society of America, 2013, 134, 97-108.	1.1	14
26	In situ target strength estimates of visually verified orange roughy. ICES Journal of Marine Science, 2013, 70, 215-222.	2.5	14
27	Indicators of recovery for orange roughy (Hoplostethus atlanticus) in eastern Australian waters fished from 1987. Fisheries Research, 2015, 167, 225-235.	1.7	13
28	A conceptual surrogacy framework to evaluate the habitat potential of submarine canyons. Progress in Oceanography, 2018, 169, 199-213.	3.2	13
29	Sounding out life in the deep using acoustic data from ships of opportunity. Scientific Data, 2021, 8, 23.	5.3	12
30	Deep-water calibration of echosounders used for biomass surveys and species identification. ICES Journal of Marine Science, 2018, 75, 1117-1130.	2.5	11
31	An introduction to the proceedings and a synthesis of the 2008 ICES Symposium on the Ecosystem Approach with Fisheries Acoustics and Complementary Technologies (SEAFACTS). ICES Journal of Marine Science, 2009, 66, 961-965.	2.5	9
32	Potential Use of Broadband Acoustic Methods for Micronekton Classification. Acoustics Australia, 2017, 45, 353-361.	2.4	9
33	A combined acoustic and optical instrument for fisheries studies. , 2010, , .		8
34	Analysis and prediction of faunal distributions from video and multiâ€beam sonar data using Markov models. Environmetrics, 2009, 20, 541-560.	1.4	7
35	Evaluating Geomorphic Features as Surrogates for Benthic Biodiversity on Australiaâ€™s Western Continental Margin. , 2012, , 665-679.		7
36	Fishing and fecundity: The impact of exploitation on the reproductive potential of a deep-water fish, orange roughy (Hoplostethus atlanticus). Fisheries Research, 2013, 147, 312-319.	1.7	7

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37	Improved estimates of orange roughy biomass using an acoustic-optical system in commercial trawlnets. ICES Journal of Marine Science, 2016, 73, 2112-2124.	2.5	7
38	Evaluation of unmanned surface vehicle acoustics for gas seep detection in shallow coastal waters. International Journal of Greenhouse Gas Control, 2020, 102, 103158.	4.6	7
39	Extended Detection of Shallow Water Gas Seeps From Multibeam Echosounder Water Column Data. Frontiers in Remote Sensing, 0, 3, .	3.5	6
40	The adaptation of acoustic data from commercial fishing vessels in resource assessment and ecosystem monitoring. Fisheries Research, 2016, 178, 13-25.	1.7	4
41	MIDOC: An improved open and closing net system for stratified sampling of mid-water biota. , 2017, , .		4
42	Remarks on â€œComment on: Williams et al. (2009) Australia's deep-water reserve network: implications of false homogeneity for classifying abiotic surrogates of biodiversity, ICES Journal of Marine Science, 66: 214â€"224â€•by Peter T. Harris, Andrew D. Heap, Tara J. Anderson, and Brendan Brooke. ICES Journal of Marine Science, 2009, 66, 2086-2088.	2.5	3
43	A combined acoustic and optical instrument for industry managed fisheries studies. , 2015, , .		3
44	Industry-collected target strength of high seas orange roughy in the Indian Ocean. ICES Journal of Marine Science, 2021, 78, 2120-2131.	2.5	3
45	Influence on management advice of fishers acousticsâ€"10 year review of blue grenadier monitoring. Fisheries Research, 2016, 178, 82-92.	1.7	2
46	A combined acoustic and optical instrument for industry managed fisheries studies. , 2014, , .		1
47	Response to comment on â€œfishing and fecundity: The impact of exploitation on the reproductive potential of a deep-water fish, orange roughy (Hoplostethus atlanticus)â€• Fisheries Research, 2014, 155, 196-197.	1.7	0
48	Deep water acoustic calibration facility: Development of a platform. , 2016, , .		0