

Chih-Lin Wei

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,207
citations

361413

20
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

3024
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Patterns and Predictions of Seafloor Biomass Using Random Forests. <i>PLoS ONE</i> , 2010, 5, e15323.	2.5	287
2	Major impacts of climate change on deep-sea benthic ecosystems. <i>Elementa</i> , 2017, 5, .	3.2	252
3	Biotic and Human Vulnerability to Projected Changes in Ocean Biogeochemistry over the 21st Century. <i>PLoS Biology</i> , 2013, 11, e1001682.	5.6	194
4	Global reductions in seafloor biomass in response to climate change. <i>Global Change Biology</i> , 2014, 20, 1861-1872.	9.5	155
5	Quantifying sample completeness and comparing diversities among assemblages. <i>Ecological Research</i> , 2020, 35, 292-314.	1.5	141
6	Global Carbon Cycling on a Heterogeneous Seafloor. <i>Trends in Ecology and Evolution</i> , 2018, 33, 96-105.	8.7	117
7	Bathymetric zonation of deep-sea macrofauna in relation to export of surface phytoplankton production. <i>Marine Ecology - Progress Series</i> , 2010, 399, 1-14.	1.9	116
8	Climate-induced changes in the suitable habitat of cold-water corals and commercially important deep-sea fishes in the North Atlantic. <i>Global Change Biology</i> , 2020, 26, 2181-2202.	9.5	109
9	Exploring the role of environmental variables in shaping patterns of seabed biodiversity composition in regional-scale ecosystems. <i>Journal of Applied Ecology</i> , 2012, 49, 670-679.	4.0	96
10	Comparative biomass structure and estimated carbon flow in food webs in the deep Gulf of Mexico. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2699-2711.	1.4	70
11	Past and future decline of tropical pelagic biodiversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12891-12896.	7.1	67
12	Climate change considerations are fundamental to management of deep-sea resource extraction. <i>Global Change Biology</i> , 2020, 26, 4664-4678.	9.5	65
13	Anthropogenic litter and macrophyte detritus in the deep Northern Gulf of Mexico. <i>Marine Pollution Bulletin</i> , 2012, 64, 966-973.	5.0	63
14	Influence of Water Masses on the Biodiversity and Biogeography of Deep-Sea Benthic Ecosystems in the North Atlantic. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	43
15	Phytoplankton along the coastal shelf of an oligotrophic hypersaline environment in a semi-enclosed marginal sea: Qatar (Arabian Gulf). <i>Continental Shelf Research</i> , 2013, 60, 1-16.	1.8	41
16	Biodiversity-ecosystem functioning relationships in long-term time series and palaeoecological records: deep sea as a test bed. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150282.	4.0	35
17	Standing stocks and body size of deep-sea macrofauna: Predicting the baseline of 2010 Deepwater Horizon oil spill in the northern Gulf of Mexico. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 69, 82-99.	1.4	31
18	Time Machine Biology: Cross-Timescale Integration of Ecology, Evolution, and Oceanography. <i>Oceanography</i> , 2020, 33, .	1.0	28

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19	Complex depth-related patterns in taxonomic and functional diversity of polychaetes in the Gulf of Mexico. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 80, 66-77.	1.4	26
20	Environmental Heterogeneity Throughout the Clarion-Clipperton Zone and the Potential Representativity of the APEI Network. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	26
21	Nestedness and species replacement along bathymetric gradients in the deep sea reflect productivity: a test with polychaete assemblages in the oligotrophic northwestern Gulf of Mexico. <i>Journal of Biogeography</i> , 2017, 44, 548-555.	3.0	23
22	North Atlantic Gateway: Test bed of deep-sea macroecological patterns. <i>Journal of Biogeography</i> , 2019, 46, 2056-2066.	3.0	22
23	The BenBioDen database, a global database for meio-, macro- and megabenthic biomass and densities. <i>Scientific Data</i> , 2020, 7, 206.	5.3	18
24	Productivity controls macrofauna diversity in the deep northern Gulf of Mexico. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 143, 17-27.	1.4	16
25	Marine latitudinal diversity gradients, niche conservatism and out of the tropics and Arctic: Climatic sensitivity of small organisms. <i>Journal of Biogeography</i> , 2020, 47, 817-828.	3.0	16
26	Internal tides affect benthic community structure in an energetic submarine canyon off SW Taiwan. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 125, 147-160.	1.4	15
27	Steep redox gradient and biogeochemical cycling driven by deeply sourced fluids and gases in a terrestrial mud volcano. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	13
28	The SCOC database, a large, open, and global database with sediment community oxygen consumption rates. <i>Scientific Data</i> , 2019, 6, 242.	5.3	13
29	Seafloor biodiversity of Canada's three oceans: Patterns, hotspots and potential drivers. <i>Diversity and Distributions</i> , 2020, 26, 226-241.	4.1	13
30	Dissolved oxygen and temperature best predict deep-sea fish community structure in the Gulf of California with climate change implications. <i>Marine Ecology - Progress Series</i> , 2020, 637, 159-180.	1.9	13
31	Macrobenthos in the central Arabian Gulf: a reflection of climate extremes and variability. <i>Hydrobiologia</i> , 2016, 770, 53-72.	2.0	11
32	Macrofauna bivalve diversity from the deep northern Gulf of Mexico. <i>Ecological Research</i> , 2020, 35, 343-361.	1.5	10
33	Ecosystem turnover in an urbanized subtropical seascape driven by climate and pollution. <i>Anthropocene</i> , 2021, 36, 100304.	3.3	10
34	Long-Term Observations of Epibenthic Fish Zonation in the Deep Northern Gulf of Mexico. <i>PLoS ONE</i> , 2012, 7, e46707.	2.5	10
35	<i>Dongshaea marina</i> gen. nov., sp. nov., a facultatively anaerobic marine bacterium that ferments glucose with gas production. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3318-3325.	1.7	9
36	Faunal zonation of large epibenthic invertebrates off North Carolina revisited. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1830-1833.	1.4	8

#	ARTICLE	IF	CITATIONS
37	Benthic community history in the Changjiang (Yangtze River) mega-delta: Damming, urbanization, and environmental control. <i>Paleobiology</i> , 2019, 45, 469-483.	2.0	8
38	Species and Functional Diversity of Deep-Sea Nematodes in a High Energy Submarine Canyon. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	7
39	Characteristics and renewal of zooplankton communities under extreme environmental stresses in the oligotrophic hypersaline Arabian Gulf. <i>Progress in Oceanography</i> , 2022, 201, 102643.	3.2	5
40	Benthic ostracod diversity and biogeography in an urbanized seascape. <i>Marine Micropaleontology</i> , 2022, 174, 102067.	1.2	4
41	Diversity and Zonation of Benthic Amphipod Crustaceans Affected by the Mississippi Submarine Canyon in the Northern Gulf of Mexico. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	1
42	The dynamics of the coastal food webs in the Central Arabian Sea. <i>Qscience Proceedings</i> , 2015, 2015, 2.	0.0	0
43	Early diagenesis and carbon remineralization in young rift sediment of the Southern Okinawa Trough. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019, 30, 633-647.	0.6	0