

# Erik SimÃ³n LledÃ³

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2235098/publications.pdf>

Version: 2024-02-01

46  
papers

1,998  
citations

279701

23  
h-index

265120

42  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linkages between sediment thickness, geomorphology and Mn nodule occurrence: New evidence from AUV geophysical mapping in the Clarion-Clipperton Zone. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022, 179, 103645.	0.6	4
2	Investigating the benthic megafauna in the eastern Clarion Clipperton Fracture Zone (north-east) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.6	7
3	Making marine image data FAIR. <i>Scientific Data</i> , 2022, 9, .	2.4	13
4	Enduring science: Three decades of observing the Northeast Atlantic from the Porcupine Abyssal Plain Sustained Observatory (PAP-SO). <i>Progress in Oceanography</i> , 2021, 191, 102508.	1.5	20
5	Recommendations for the Standardisation of Open Taxonomic Nomenclature for Image-Based Identifications. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	56
6	Towards improved monitoring of offshore carbon storage: A real-world field experiment detecting a controlled sub-seafloor CO <sub>2</sub> release. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103237.	2.3	39
7	The megafauna community from an abyssal area of interest for mining of polymetallic nodules. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 172, 103530.	0.6	7
8	Megafaunal Ecology of the Western Clarion Clipperton Zone. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	13
9	Automated classification of fauna in seabed photographs: The impact of training and validation dataset size, with considerations for the class imbalance. <i>Progress in Oceanography</i> , 2021, 196, 102612.	1.5	20
10	Regional Variation in Communities of Demersal Fishes and Scavengers Across the CCZ and Pacific Ocean. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	15
11	Environment, ecology, and potential effectiveness of an area protected from deep-sea mining (Clarion) Tj ETQq1 1 0.784314 rgBT /Over	1.5	36
12	Environmental Impact Assessments for deep-sea mining: Can we improve their future effectiveness?. <i>Marine Policy</i> , 2020, 114, .	1.5	42
13	Environmental considerations for impact and preservation reference zones for deep-sea polymetallic nodule mining. <i>Marine Policy</i> , 2020, 118, .	1.5	39
14	Deep-sea sponge aggregations ( <i>Pheronema carpenteri</i> ) in the Porcupine Seabight (NE Atlantic) potentially degraded by demersal fishing. <i>Progress in Oceanography</i> , 2020, 183, 102189.	1.5	15
15	Subtle variation in abyssal terrain induces significant change in benthic megafaunal abundance, diversity, and community structure. <i>Progress in Oceanography</i> , 2020, 186, 102395.	1.5	23
16	First network analysis of interspecific associations of abyssal benthic megafauna reveals potential vulnerability of abyssal hill community. <i>Progress in Oceanography</i> , 2020, 187, 102401.	1.5	9
17	Multi-scale variations in invertebrate and fish megafauna in the mid-eastern Clarion Clipperton Zone. <i>Progress in Oceanography</i> , 2020, 187, 102405.	1.5	44
18	Abyssal food-web model indicates faunal carbon flow recovery and impaired microbial loop 26Åyears after a sediment disturbance experiment. <i>Progress in Oceanography</i> , 2020, 189, 102446.	1.5	26

#	ARTICLE	IF	CITATIONS
19	Giant, highly diverse protists in the abyssal Pacific: vulnerability to impacts from seabed mining and potential for recovery. <i>Communicative and Integrative Biology</i> , 2020, 13, 189-197.	0.6	15
20	Xenophyophores (Rhizaria, Foraminifera), including four new species and two new genera, from the western Clarion-Clipperton Zone (abyssal equatorial Pacific). <i>European Journal of Protistology</i> , 2020, 75, 125715.	0.5	14
21	Megafauna community assessment of polymetallic-nodule fields with cameras: platform and methodology comparison. <i>Biogeosciences</i> , 2020, 17, 3115-3133.	1.3	24
22	Ecology of a polymetallic nodule occurrence gradient: Implications for deep-sea mining. <i>Limnology and Oceanography</i> , 2019, 64, 1883-1894.	1.6	82
23	Detecting the Effects of Deep-Seabed Nodule Mining: Simulations Using Megafaunal Data From the Clarion-Clipperton Zone. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	14
24	Abyssal deposit-feeding rates consistent with the metabolic theory of ecology. <i>Ecology</i> , 2019, 100, e02564.	1.5	14
25	Biological effects 26 years after simulated deep-sea mining. <i>Scientific Reports</i> , 2019, 9, 8040.	1.6	81
26	On the impact of Citizen Science-derived data quality on deep learning based classification in marine images. <i>PLoS ONE</i> , 2019, 14, e0218086.	1.1	26
27	Ecological risk assessment for deep-sea mining. <i>Ocean and Coastal Management</i> , 2019, 176, 24-39.	2.0	73
28	Monitoring mosaic biotopes in a marine conservation zone by autonomous underwater vehicle. <i>Conservation Biology</i> , 2019, 33, 1174-1186.	2.4	28
29	Existing environmental management approaches relevant to deep-sea mining. <i>Marine Policy</i> , 2019, 103, 172-181.	1.5	48
30	A framework for the development of a global standardised marine taxon reference image database (SMarTaR-ID) to support image-based analyses. <i>PLoS ONE</i> , 2019, 14, e0218904.	1.1	40
31	Preliminary Observations of the Abyssal Megafauna of Kiribati. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	14
32	Megafaunal variation in the abyssal landscape of the Clarion Clipperton Zone. <i>Progress in Oceanography</i> , 2019, 170, 119-133.	1.5	84
33	Environmental Impact Assessment process for deep-sea mining in "the Area". <i>Marine Policy</i> , 2018, 87, 194-202.	1.5	94
34	Potential Mitigation and Restoration Actions in Ecosystems Impacted by Seabed Mining. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	48
35	New species of the xenophyophore genus <i>Aschemonella</i> (Rhizaria: Foraminifera) from areas of the abyssal eastern Pacific licensed for polymetallic nodule exploration. <i>Zoological Journal of the Linnean Society</i> , 2018, 182, 479-499.	1.0	14
36	Abyssal plain faunal carbon flows remain depressed 26 years after a simulated deep-sea mining disturbance. <i>Biogeosciences</i> , 2018, 15, 4131-4145.	1.3	49

#	ARTICLE	IF	CITATIONS
37	Resilience of benthic deep-sea fauna to mining activities. <i>Marine Environmental Research</i> , 2017, 129, 76-101.	1.1	258
38	A procedural framework for robust environmental management of deep-sea mining projects using a conceptual model. <i>Marine Policy</i> , 2017, 84, 193-201.	1.5	51
39	Differences in the carbon flows in the benthic food webs of abyssal hill and plain habitats. <i>Limnology and Oceanography</i> , 2017, 62, 1771-1782.	1.6	22
40	Abundance and morphology of <i>Paleodictyon nodosum</i> , observed at the Clarion-Clipperton Zone. <i>Marine Biodiversity</i> , 2017, 47, 265-269.	0.3	13
41	Biological responses to disturbance from simulated deep-sea polymetallic nodule mining. <i>PLoS ONE</i> , 2017, 12, e0171750.	1.1	222
42	Landscape-scale spatial heterogeneity in phytodetrital cover and megafauna biomass in the abyss links to modest topographic variation. <i>Scientific Reports</i> , 2016, 6, 34080.	1.6	42
43	Fully automated image segmentation for benthic resource assessment of poly-metallic nodules. <i>Methods in Oceanography</i> , 2016, 15-16, 78-89.	1.5	25
44	Abyssal hills “ hidden source of increased habitat heterogeneity, benthic megafaunal biomass and diversity in the deep sea. <i>Progress in Oceanography</i> , 2015, 137, 209-218.	1.5	92
45	Ranking Color Correction Algorithms Using Cluster Indices. , 2014, , .		4
46	A new method for ecological surveying of the abyss using autonomous underwater vehicle photography. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 795-809.	1.0	76