

Renate Scharek

List of Publications by Year in descending order

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35
papers

2,566
citations

159525

30
h-index

360920

35
g-index

35
all docs

35
docs citations

35
times ranked

3021
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of phytoplankton groups in three contrasting situations of the open NW Mediterranean Sea revealed by pigment, microscopy, and flow cytometry analyses. <i>Progress in Oceanography</i> , 2022, 201, 102737.	1.5	8
2	High contribution of Rhizaria (Radiolaria) to vertical export in the California Current Ecosystem revealed by DNA metabarcoding. <i>ISME Journal</i> , 2019, 13, 964-976.	4.4	41
3	Role of internal waves on mixing, nutrient supply and phytoplankton community structure during spring and neap tides in the upwelling ecosystem of R�a de Vigo (NW Iberian Peninsula). <i>Limnology and Oceanography</i> , 2017, 62, 1014-1030.	1.6	43
4	Distribution of phytoplankton groups within the deep chlorophyll maximum. <i>Limnology and Oceanography</i> , 2017, 62, 665-685.	1.6	64
5	Influence of light and nutrients on the vertical distribution of marine phytoplankton groups in the deep chlorophyll maximum. <i>Scientia Marina</i> , 2016, 80, 57-62.	0.3	16
6	Photosynthetic parameters and primary production, with focus on large phytoplankton, in a temperate mid-shelf ecosystem. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 154, 255-263.	0.9	21
7	Zooplankton diel vertical migration and contribution to deep active carbon flux in the NW Mediterranean. <i>Journal of Marine Systems</i> , 2015, 143, 86-97.	0.9	38
8	Routine determination of plankton community composition and size structure: a comparison between FlowCAM and light microscopy. <i>Journal of Plankton Research</i> , 2014, 36, 170-184.	0.8	90
9	Progressive decoupling between phytoplankton growth and microzooplankton grazing during an iron-induced phytoplankton bloom in the Southern Ocean (EIFEX). <i>Marine Ecology - Progress Series</i> , 2014, 513, 39-50.	0.9	11
10	Thick-shelled, grazer-protected diatoms decouple ocean carbon and silicon cycles in the iron-limited Antarctic Circumpolar Current. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20633-20638.	3.3	216
11	Effects of storm events on the shelf-to-basin sediment transport in the southwestern end of the Gulf of Lions (Northwestern Mediterranean). <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 843-850.	1.5	21
12	Growth and grazing rate dynamics of major phytoplankton groups in an oligotrophic coastal site. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 95, 77-87.	0.9	38
13	Preferences of phytoplankton groups for waters of different trophic status in the northwestern Mediterranean Sea. <i>Marine Ecology - Progress Series</i> , 2010, 407, 27-42.	0.9	48
14	Deep sediment transport induced by storms and dense shelf-water cascading in the northwestern Mediterranean basin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 425-434.	0.6	53
15	Protistan assemblages across the Indian Ocean, with a specific emphasis on the picoeukaryotes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 1456-1473.	0.6	134
16	Climate Influence on Deep Sea Populations. <i>PLoS ONE</i> , 2008, 3, e1431.	1.1	171
17	Ability of a "minimum" microbial food web model to reproduce response patterns observed in mesocosms manipulated with N and P, glucose, and Si. <i>Journal of Marine Systems</i> , 2007, 64, 15-34.	0.9	36
18	Growth, grazing and carbon flux of high and low nucleic acid bacteria differ in surface and deep chlorophyll maximum layers in the NW Mediterranean Sea. <i>Aquatic Microbial Ecology</i> , 2007, 46, 153-161.	0.9	47

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19	Estimating the carbon flux through main phytoplankton groups in the northwestern Mediterranean. <i>Limnology and Oceanography</i> , 2005, 50, 1447-1458.	1.6	46
20	PIGMENT SUITES AND TAXONOMIC GROUPS IN PRASINOPHYCEAE. <i>Journal of Phycology</i> , 2004, 40, 1149-1155.	1.0	99
21	Routine quantification of phytoplankton groups – microscopy or pigment analyses?. <i>Marine Ecology - Progress Series</i> , 2004, 273, 31-42.	0.9	81
22	Silicate and labile DOC interfere in structuring the microbial food web via algal – bacterial competition for mineral nutrients: Results of a mesocosm experiment. <i>Limnology and Oceanography</i> , 2003, 48, 129-140.	1.6	56
23	Diarrhetic shellfish toxicity in relation to the abundance of <i>Dinophysis</i> spp. in the German Bight near Helgoland. <i>Marine Ecology - Progress Series</i> , 2003, 259, 93-102.	0.9	31
24	Losses of chlorophylls and carotenoids in aqueous acetone and methanol extracts prepared for RPHPLC analysis of pigments. <i>Chromatographia</i> , 2001, 53, 385-391.	0.7	60
25	Temporal variations in diatom abundance and downward vertical flux in the oligotrophic North Pacific gyre. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999, 46, 1051-1075.	0.6	103
26	Diatom fluxes to the deep sea in the oligotrophic North Pacific gyre at Station ALOHA. <i>Marine Ecology - Progress Series</i> , 1999, 182, 55-67.	0.9	134
27	Physical anatomy of fronts and surface waters in the ACC near the 6°W meridian during austral spring 1992. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 23-49.	0.6	81
28	Spring development of phytoplankton biomass and composition in major water masses of the Atlantic sector of the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 51-67.	0.6	210
29	Biogeochemical dynamics and the silicon cycle in the Atlantic sector of the Southern Ocean during austral spring 1992. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 69-89.	0.6	106
30	Iron enrichment experiments in the Southern Ocean: physiological responses of plankton communities. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 189-207.	0.6	70
31	Responses of Southern Ocean phytoplankton to the addition of trace metals. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 209-227.	0.6	88
32	Nutrient anomalies in <i>Fragilariopsis kerguelensis</i> blooms, iron deficiency and the nitrate/phosphate ratio (A. C. Redfield) of the Antarctic Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 229-260.	0.6	109
33	Algal and bacterial processes in platelet ice during late austral summer. <i>Polar Biology</i> , 1996, 16, 623-633.	0.5	34
34	The transition from winter to early spring in the eastern Weddell Sea, Antarctica: Plankton biomass and composition in relation to hydrography and nutrients. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1994, 41, 1231-1250.	0.6	47
35	Early spring phytoplankton blooms in ice platelet layers of the southern Weddell Sea, Antarctica. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1992, 39, 153-168.	1.6	115