

Anna Sanchez-Vidal

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

5,131
citations

117571

34
h-index

95218

68
g-index

108
all docs

108
docs citations

108
times ranked

5766
citing authors

#	ARTICLE	IF	CITATIONS
1	The deep sea is a major sink for microplastic debris. <i>Royal Society Open Science</i> , 2014, 1, 140317.	1.1	1,278
2	Resilience of benthic deep-sea fauna to mining activities. <i>Marine Environmental Research</i> , 2017, 129, 76-101.	1.1	258
3	Floating microplastics and aggregate formation in the Western Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2019, 140, 523-535.	2.3	175
4	Cascades in Mediterranean Submarine Grand Canyons. <i>Oceanography</i> , 2009, 22, 26-43.	0.5	167
5	The imprint of microfibrils in southern European deep seas. <i>PLoS ONE</i> , 2018, 13, e0207033.	1.1	139
6	Interaction of dense shelf water cascading and open-sea convection in the northwestern Mediterranean during winter 2012. <i>Geophysical Research Letters</i> , 2013, 40, 1379-1385.	1.5	136
7	Microplastics composition and load from three wastewater treatment plants discharging into Mersin Bay, north eastern Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2020, 150, 110776.	2.3	118
8	Organic matter in sediments of canyons and open slopes of the Portuguese, Catalan, Southern Adriatic and Cretan Sea margins. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 441-457.	0.6	116
9	Impacts on the Deep-Sea Ecosystem by a Severe Coastal Storm. <i>PLoS ONE</i> , 2012, 7, e30395.	1.1	114
10	Composition and spatio-temporal variability of particle fluxes in the Western Alboran Gyre, Mediterranean Sea. <i>Journal of Marine Systems</i> , 2002, 33-34, 431-456.	0.9	101
11	Role of slowly settling particles in the ocean carbon cycle. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	91
12	Beached microplastics in the Northwestern Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2019, 142, 263-273.	2.3	85
13	Identifying Toxic Impacts of Metals Potentially Released during Deep-Sea Mining – A Synthesis of the Challenges to Quantifying Risk. <i>Frontiers in Marine Science</i> , 0, 4, .	1.2	84
14	Seagrasses provide a novel ecosystem service by trapping marine plastics. <i>Scientific Reports</i> , 2021, 11, 254.	1.6	84
15	Microplastic fluxes in a large and a small Mediterranean river catchments: The Tt and the Rhne, Northwestern Mediterranean Sea. <i>Science of the Total Environment</i> , 2020, 716, 136984.	3.9	80
16	Accumulation rates of major constituents of hemipelagic sediments in the deep Alboran Sea: a centennial perspective of sedimentary dynamics. <i>Marine Geology</i> , 2003, 193, 207-233.	0.9	76
17	Integrated study of Mediterranean deep canyons: Novel results and future challenges. <i>Progress in Oceanography</i> , 2013, 118, 1-27.	1.5	72
18	Particle fluxes dynamics in Blanes submarine canyon (Northwestern Mediterranean). <i>Progress in Oceanography</i> , 2009, 82, 239-251.	1.5	70

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19	Impact of dense shelf water cascading on the transfer of organic matter to the deep western Mediterranean basin. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	68
20	Sediment transport to the deep canyons and open-slope of the western Gulf of Lions during the 2006 intense cascading and open-sea convection period. <i>Progress in Oceanography</i> , 2012, 106, 1-15.	1.5	67
21	Millennial-scale variability in the productivity signal from the Alboran Sea record, Western Mediterranean Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 211, 205-219.	1.0	65
22	Relationship between environment and the occurrence of the deep-water rose shrimp <i>Aristeus antennatus</i> (Risso, 1816) in the Blanes submarine canyon (NW Mediterranean). <i>Progress in Oceanography</i> , 2009, 82, 227-238.	1.5	59
23	Across margin export of organic matter by cascading events traced by stable isotopes, northwestern Mediterranean Sea. <i>Limnology and Oceanography</i> , 2009, 54, 1488-1500.	1.6	56
24	Flux and composition of settling particles across the continental margin of the Gulf of Lion: the role of dense shelf water cascading. <i>Biogeosciences</i> , 2010, 7, 217-231.	1.3	55
25	Environmental hazard assessment of a marine mine tailings deposit site and potential implications for deep-sea mining. <i>Environmental Pollution</i> , 2017, 228, 169-178.	3.7	50
26	Cold-Water Corals and Anthropogenic Impacts in La Fonera Submarine Canyon Head, Northwestern Mediterranean Sea. <i>PLoS ONE</i> , 2016, 11, e0155729.	1.1	47
27	Global Ocean Sediment Composition and Burial Flux in the Deep Sea. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006769.	1.9	46
28	Seasonal fluctuations of deep megabenthos: Finding evidence of standing stock accumulation in a flux-rich continental slope. <i>Progress in Oceanography</i> , 2013, 118, 188-198.	1.5	45
29	Microplankton response to environmental conditions in the Alboran Sea (Western Mediterranean): One year sediment trap record. <i>Marine Micropaleontology</i> , 2011, 78, 14-24.	0.5	44
30	Major consequences of an intense dense shelf water cascading event on deep-sea benthic trophic conditions and meiofaunal biodiversity. <i>Biogeosciences</i> , 2013, 10, 2659-2670.	1.3	42
31	A submarine volcanic eruption leads to a novel microbial habitat. <i>Nature Ecology and Evolution</i> , 2017, 1, 144.	3.4	42
32	A MSFD complementary approach for the assessment of pressures, knowledge and data gaps in Southern European Seas: The PERSEUS experience. <i>Marine Pollution Bulletin</i> , 2015, 95, 28-39.	2.3	41
33	Occurrence, sources and transport pathways of natural and anthropogenic hydrocarbons in deep-sea sediments of the eastern Mediterranean Sea. <i>Biogeosciences</i> , 2013, 10, 6069-6089.	1.3	39
34	Drivers of deep Mediterranean megabenthos communities along longitudinal and bathymetric gradients. <i>Marine Ecology - Progress Series</i> , 2011, 439, 181-192.	0.9	39
35	Seasonal to interannual variability and geographic distribution of the silicoflagellate fluxes in the Western Mediterranean. <i>Marine Micropaleontology</i> , 2010, 77, 46-57.	0.5	37
36	Reproductive biology and recruitment of the deep-sea fish community from the NW Mediterranean continental margin. <i>Progress in Oceanography</i> , 2013, 118, 222-234.	1.5	35

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37	Riverine transport of terrestrial organic matter to the North Catalan margin, NW Mediterranean Sea. <i>Progress in Oceanography</i> , 2013, 118, 71-80.	1.5	35
38	Particle fluxes and organic carbon balance across the Eastern Alboran Sea (SW Mediterranean Sea). <i>Continental Shelf Research</i> , 2005, 25, 609-628.	0.9	34
39	Multiple drivers of particle fluxes in the Blanes submarine canyon and southern open slope: Results of a year round experiment. <i>Progress in Oceanography</i> , 2013, 118, 95-107.	1.5	31
40	Delivery of unprecedented amounts of perfluoroalkyl substances towards the deep-sea. <i>Science of the Total Environment</i> , 2015, 526, 41-48.	3.9	31
41	Use of organic biomarkers to trace the transport of marine and terrigenous organic matter through the southwestern canyons of the Gulf of Lion. <i>Marine Chemistry</i> , 2011, 126, 1-12.	0.9	30
42	Carbon flux to the deep in three open sites of the Southern European Seas (SES). <i>Journal of Marine Systems</i> , 2014, 129, 224-233.	0.9	30
43	Particulate organic carbon budget in the open Algero-Balearic Basin (Western Mediterranean): Assessment from a one-year sediment trap experiment. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1530-1548.	0.6	29
44	Biogeochemical characterization of the riverine particulate organic matter transferred to the NW Mediterranean Sea. <i>Biogeosciences</i> , 2014, 11, 157-172.	1.3	29
45	Particle fluxes in the Almeria-Oran Front: control by coastal upwelling and sea surface circulation. <i>Journal of Marine Systems</i> , 2004, 52, 89-106.	0.9	28
46	Role of Dense Shelf Water Cascading in the Transfer of Organochlorine Compounds to Open Marine Waters. <i>Environmental Science & Technology</i> , 2012, 46, 2624-2632.	4.6	28
47	The significance of atmospheric inputs of major and trace metals to the Black Sea. <i>Journal of Marine Systems</i> , 2013, 109-110, 94-102.	0.9	28
48	The quest for seafloor macrolitter: a critical review of background knowledge, current methods and future prospects. <i>Environmental Research Letters</i> , 0, , .	2.2	28
49	An observational study of oceanic eddy generation mechanisms by tall deep-water islands (Gran Tj ETQq1 1 0.784314 rgBT /Overlock 27	1.5	27
50	Multi-year particle fluxes in Kongsfjorden, Svalbard. <i>Biogeosciences</i> , 2018, 15, 5343-5363.	1.3	27
51	Particulate barium fluxes on the continental margin: a study from the Alboran Sea (Western Tj ETQq1 1 0.784314 rgBT /Overlock 26	0.9	26
52	Paddle surfing for science on microplastic pollution. <i>Science of the Total Environment</i> , 2020, 709, 136178.	3.9	26
53	Impact of storm-induced remobilization on grain size distribution and organic carbon content in sediments from the Blanes Canyon area, NW Mediterranean Sea. <i>Progress in Oceanography</i> , 2013, 118, 122-136.	1.5	25
54	Spatial distribution of sedimentation-rate increases in Blanes Canyon caused by technification of bottom trawling fleet. <i>Progress in Oceanography</i> , 2018, 169, 241-252.	1.5	25

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55	Remobilization of dissolved metals from a coastal mine tailing deposit driven by groundwater discharge and porewater exchange. <i>Science of the Total Environment</i> , 2019, 688, 1359-1372.	3.9	25
56	Compositional and temporal evolution of particle fluxes in the open Algero-Balearic basin (Western Tj ETQq0 0 0 rgBT /Overlock 10 1	0.9	21
57	Composition and sources of sedimentary organic matter in the deep eastern Mediterranean Sea. <i>Biogeosciences</i> , 2015, 12, 7379-7402.	1.3	21
58	Sediment transport along the Cap de Creus Canyon flank during a mild, wet winter. <i>Biogeosciences</i> , 2013, 10, 3221-3239.	1.3	20
59	Seafloor litter sorting in different domains of Cap de Creus continental shelf and submarine canyon (NW Mediterranean Sea). <i>Marine Pollution Bulletin</i> , 2020, 161, 111744.	2.3	20
60	Marine biofouling organisms on beached, buoyant and benthic plastic debris in the Catalan Sea. <i>Marine Pollution Bulletin</i> , 2022, 175, 113405.	2.3	20
61	Extraction of microplastic from marine sediments: A comparison between pressurized solvent extraction and density separation. <i>Marine Pollution Bulletin</i> , 2021, 168, 112436.	2.3	18
62	Late Holocene fine-grained sediments of the Balearic Abyssal Plain, Western Mediterranean Sea. <i>Marine Geology</i> , 2007, 237, 25-36.	0.9	17
63	Composition and provenance of terrigenous organic matter transported along submarine canyons in the Gulf of Lion (NW Mediterranean Sea). <i>Progress in Oceanography</i> , 2013, 118, 81-94.	1.5	17
64	Particle sources and downward fluxes in the eastern Fram strait under the influence of the west Spitsbergen current. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 103, 49-63.	0.6	17
65	Seasonal pathways of organic matter within the AvilÃ©s submarine canyon: Food web implications. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 117, 1-10.	0.6	17
66	Submarine Canyons and Gullies. <i>Springer Geology</i> , 2018, , 251-272.	0.2	17
67	Ecosystem effects of dense water formation on deep Mediterranean Sea ecosystems: an overview. <i>Advances in Oceanography and Limnology</i> , 2010, 1, 67-83.	0.2	16
68	The Roses Ocean and Human Health Chair: A New Way to Engage the Public in Oceans and Human Health Challenges. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5078.	1.2	16
69	Impact of historical sulfide mine tailings discharge on meiofaunal assemblages (PortmÃ¡n Bay, Tj ETQq1 1 0.784314 rgBT /Overlock 10 1	3.9	16
70	Ecosystem effects of dense water formation on deep Mediterranean Sea ecosystems: an overview. <i>Advances in Oceanography and Limnology</i> , 2010, 1, 67.	0.2	16
71	Enhanced carbon export to the abyssal depths driven by atmosphere dynamics. <i>Geophysical Research Letters</i> , 2016, 43, 8626-8636.	1.5	14
72	Particle fluxes and their drivers in the AvilÃ©s submarine canyon and adjacent slope, central Cantabrian margin, Bay of Biscay. <i>Progress in Oceanography</i> , 2016, 144, 39-61.	1.5	14

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73	Carbon Dynamics within Cyclonic Eddies: Insights from a Biomarker Study. <i>PLoS ONE</i> , 2013, 8, e82447.	1.1	13
74	Deep-water formation variability in the north-western Mediterranean Sea during the last 2500 years: A proxy validation with present-day data. <i>Global and Planetary Change</i> , 2019, 177, 56-68.	1.6	13
75	Deep-water zooplankton in the Mediterranean Sea: Results from a continuous, synchronous sampling over different regions using sediment traps. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 126, 103-114.	0.6	12
76	External forcings, oceanographic processes and particle flux dynamics in Cap de Creus submarine canyon, NW Mediterranean Sea. <i>Biogeosciences</i> , 2013, 10, 3493-3505.	1.3	11
77	Bioavailability of sinking organic matter in the Blanes canyon and the adjacent open slope (NW) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.3	10
78	Distribution and sources of organic matter in size-fractionated nearshore sediments off the Barcelona city (NW Mediterranean). <i>Estuarine, Coastal and Shelf Science</i> , 2017, 189, 267-280.	0.9	10
79	Transfer of lipid molecules and polycyclic aromatic hydrocarbons to open marine waters by dense water cascading events. <i>Progress in Oceanography</i> , 2017, 159, 178-194.	1.5	10
80	Floating Microplastics in the Northwestern Mediterranean Sea: Temporal and Spatial Heterogeneities. <i>Springer Water</i> , 2018, , 9-15.	0.2	10
81	Calibrating high resolution XRF core scanner data to obtain absolute metal concentrations in highly polluted marine deposits after two case studies off Portmán Bay and Barcelona, Spain. <i>Science of the Total Environment</i> , 2020, 717, 134778.	3.9	9
82	Reprint of: Carbon flux to the deep in three open sites of the Southern European Seas (SES). <i>Journal of Marine Systems</i> , 2014, 135, 170-179.	0.9	8
83	Organic matter pools, C turnover and meiofaunal biodiversity in the sediments of the western Spitsbergen deep continental margin, Svalbard Archipelago. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 107, 48-58.	0.6	8
84	Floating microplastic loads in the nearshore revealed through citizen science. <i>Environmental Research Letters</i> , 2022, 17, 045018.	2.2	8
85	Release of particles and metals into seawater following sediment resuspension of a coastal mine tailings disposal off Portmán Bay, Southern Spain. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47973-47990.	2.7	7
86	Canyon effect and seasonal variability of deep-sea organisms in the NW Mediterranean: Synchronous, year-long captures of "swimmers" from near-bottom sediment traps in a submarine canyon and its adjacent open slope. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 129, 99-115.	0.6	6
87	Multiproxy characterization of sedimentary facies in a submarine sulphide mine tailings dumping site and their environmental significance: The study case of Portmán Bay (SE Spain). <i>Science of the Total Environment</i> , 2022, 810, 151183.	3.9	5
88	Atmospheric and Oceanographic Forcing Impact Particle Flux Composition and Carbon Sequestration in the Eastern Mediterranean Sea: A Three-Year Time-Series Study in the Deep Ierapetra Basin. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	4
89	Impact of resuspended mine tailings on benthic biodiversity and ecosystem processes: The case study of Portmán Bay, Western Mediterranean Sea, Spain. <i>Environmental Pollution</i> , 2022, 301, 119021.	3.7	3
90	28 A Cold-Water Coral Habitat in La Fonera Submarine Canyon, Northwestern Mediterranean Sea. <i>Coral Reefs of the World</i> , 2019, , 291-293.	0.3	2

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91	Particle fluxes in submarine canyons along a sediment-starved continental margin and in the adjacent open slope and basin in the SW Mediterranean Sea. Progress in Oceanography, 2022, 203, 102783.	1.5	2
92	Submarine Canyons. , 2021, , .		0