

# 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	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
2	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
3	Floating microplastic loads in the nearshore revealed through citizen science. <i>Environmental Research Letters</i> , 2022, 17, 045018.	2.2	8
4	Particle fluxes in submarine canyons along a sediment-starved continental margin and in the adjacent open slope and basin in the SW Mediterranean Sea. <i>Progress in Oceanography</i> , 2022, 203, 102783.	1.5	2
5	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
6	Seagrasses provide a novel ecosystem service by trapping marine plastics. <i>Scientific Reports</i> , 2021, 11, 254.	1.6	84
7	Submarine Canyons. , 2021, , .		0
8	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
9	Global Ocean Sediment Composition and Burial Flux in the Deep Sea. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006769.	1.9	46
10	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
11	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
12	Paddle surfing for science on microplastic pollution. <i>Science of the Total Environment</i> , 2020, 709, 136178.	3.9	26
13	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
14	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
15	Microplastic fluxes in a large and a small Mediterranean river catchments: The Têt and the Rhône, Northwestern Mediterranean Sea. <i>Science of the Total Environment</i> , 2020, 716, 136984.	3.9	80
16	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
17	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
18	Impact of historical sulfide mine tailings discharge on meiofaunal assemblages (Portmán Bay,). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62</i>	3.9	16

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19	28 A Cold-Water Coral Habitat in La Fonera Submarine Canyon, Northwestern Mediterranean Sea. Coral Reefs of the World, 2019, , 291-293.	0.3	2
20	Remobilization of dissolved metals from a coastal mine tailing deposit driven by groundwater discharge and porewater exchange. Science of the Total Environment, 2019, 688, 1359-1372.	3.9	25
21	Deep-water formation variability in the north-western Mediterranean Sea during the last 2500â€yr: A proxy validation with present-day data. Global and Planetary Change, 2019, 177, 56-68.	1.6	13
22	Beached microplastics in the Northwestern Mediterranean Sea. Marine Pollution Bulletin, 2019, 142, 263-273.	2.3	85
23	Floating microplastics and aggregate formation in the Western Mediterranean Sea. Marine Pollution Bulletin, 2019, 140, 523-535.	2.3	175
24	Floating Microplastics in the Northwestern Mediterranean Sea: Temporal and Spatial Heterogeneities. Springer Water, 2018, , 9-15.	0.2	10
25	Multi-year particle fluxes in Kongsfjorden, Svalbard. Biogeosciences, 2018, 15, 5343-5363.	1.3	27
26	The imprint of microfibrres in southern European deep seas. PLoS ONE, 2018, 13, e0207033.	1.1	139
27	Spatial distribution of sedimentation-rate increases in Blanes Canyon caused by technification of bottom trawling fleet. Progress in Oceanography, 2018, 169, 241-252.	1.5	25
28	Submarine Canyons and Gullies. Springer Geology, 2018, , 251-272.	0.2	17
29	A submarine volcanic eruption leads to a novel microbial habitat. Nature Ecology and Evolution, 2017, 1, 144.	3.4	42
30	Resilience of benthic deep-sea fauna to mining activities. Marine Environmental Research, 2017, 129, 76-101.	1.1	258
31	Environmental hazard assessment of a marine mine tailings deposit site and potential implications for deep-sea mining. Environmental Pollution, 2017, 228, 169-178.	3.7	50
32	Deep-water zooplankton in the Mediterranean Sea: Results from a continuous, synchronous sampling over different regions using sediment traps. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 126, 103-114.	0.6	12
33	Distribution and sources of organic matter in size-fractionated nearshore sediments off the Barcelona city (NW Mediterranean). Estuarine, Coastal and Shelf Science, 2017, 189, 267-280.	0.9	10
34	Canyon effect and seasonal variability of deep-sea organisms in the NW Mediterranean: Synchronous, year-long captures of â€swimmersâ€ from near-bottom sediment traps in a submarine canyon and its adjacent open slope. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 129, 99-115.	0.6	6
35	Transfer of lipid molecules and polycyclic aromatic hydrocarbons to open marine waters by dense water cascading events. Progress in Oceanography, 2017, 159, 178-194.	1.5	10
36	Cold-Water Corals and Anthropogenic Impacts in La Fonera Submarine Canyon Head, Northwestern Mediterranean Sea. PLoS ONE, 2016, 11, e0155729.	1.1	47

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37	Enhanced carbon export to the abyssal depths driven by atmosphere dynamics. <i>Geophysical Research Letters</i> , 2016, 43, 8626-8636.	1.5	14
38	Seasonal pathways of organic matter within the Avil�s submarine canyon: Food web implications. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 117, 1-10.	0.6	17
39	Particle fluxes and their drivers in the Avil�s submarine canyon and adjacent slope, central Cantabrian margin, Bay of Biscay. <i>Progress in Oceanography</i> , 2016, 144, 39-61.	1.5	14
40	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
41	Composition and sources of sedimentary organic matter in the deep eastern Mediterranean Sea. <i>Biogeosciences</i> , 2015, 12, 7379-7402.	1.3	21
42	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
43	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
44	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
45	Biogeochemical characterization of the riverine particulate organic matter transferred to the NW Mediterranean Sea. <i>Biogeosciences</i> , 2014, 11, 157-172.	1.3	29
46	The deep sea is a major sink for microplastic debris. <i>Royal Society Open Science</i> , 2014, 1, 140317.	1.1	1,278
47	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
48	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
49	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
50	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
51	Integrated study of Mediterranean deep canyons: Novel results and future challenges. <i>Progress in Oceanography</i> , 2013, 118, 1-27.	1.5	72
52	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
53	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
54	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

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55	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
56	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
57	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
58	Bioavailability of sinking organic matter in the Blanes canyon and the adjacent open slope (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.3	10
59	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
60	Sediment transport along the Cap de Creus Canyon flank during a mild, wet winter. <i>Biogeosciences</i> , 2013, 10, 3221-3239.	1.3	20
61	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
62	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
63	Carbon Dynamics within Cyclonic Eddies: Insights from a Biomarker Study. <i>PLoS ONE</i> , 2013, 8, e82447.	1.1	13
64	Role of Dense Shelf Water Cascading in the Transfer of Organochlorine Compounds to Open Marine Waters. <i>Environmental Science &amp; Technology</i> , 2012, 46, 2624-2632.	4.6	28
65	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
66	Impacts on the Deep-Sea Ecosystem by a Severe Coastal Storm. <i>PLoS ONE</i> , 2012, 7, e30395.	1.1	114
67	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
68	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
69	Drivers of deep Mediterranean megabenthos communities along longitudinal and bathymetric gradients. <i>Marine Ecology - Progress Series</i> , 2011, 439, 181-192.	0.9	39
70	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
71	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
72	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

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73	Role of slowly settling particles in the ocean carbon cycle. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	91
74	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
75	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
76	Cascades in Mediterranean Submarine Grand Canyons. <i>Oceanography</i> , 2009, 22, 26-43.	0.5	167
77	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
78	Particle fluxes dynamics in Blanes submarine canyon (Northwestern Mediterranean). <i>Progress in Oceanography</i> , 2009, 82, 239-251.	1.5	70
79	An observational study of oceanic eddy generation mechanisms by tall deep-water islands (Gran Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	27
80	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
81	Compositional and temporal evolution of particle fluxes in the open Algero-Balearic basin (Western) Tj ETQq1 1 0.784314 rgBT /O	0.9	21
82	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
83	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
84	Late Holocene fine-grained sediments of the Balearic Abyssal Plain, Western Mediterranean Sea. <i>Marine Geology</i> , 2007, 237, 25-36.	0.9	17
85	Particulate barium fluxes on the continental margin: a study from the Alboran Sea (Western) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	26
86	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
87	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
88	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
89	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
90	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

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91	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
92	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