Eugenio Fraile Nuez

List of Publications by Year
in descending order

58	1,832	279701	289141
papers	citations	23 h-index	40 g-index

60	60	60	2527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microplastic pollution in sublittoral coastal sediments of a North Atlantic island: The case of La Palma (Canary Islands, Spain). Chemosphere, 2022, 288, 132530.	4.2	19
2	Water Mass Transports and Pathways in the North Brazilâ€Equatorial Undercurrent Retroflection. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	3
3	Severe Deoxygenation Event Caused by the 2011 Eruption of the Submarine Volcano Tagoro (El Hierro,) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	3
4	Unmanned aerial vehicles (UAVs) as a tool for hazard assessment: The 2021 eruption of Cumbre Vieja volcano, La Palma Island (Spain). Science of the Total Environment, 2022, 843, 157092.	3.9	15
5	Role of small-sized phytoplankton in triggering an ecosystem disruptive algal bloom in a Mediterranean hypersaline coastal lagoon. Marine Pollution Bulletin, 2021, 164, 111989.	2.3	26
6	Bioprospecting Antiproliferative Marine Microbiota From Submarine Volcano Tagoro. Frontiers in Marine Science, 2021, 8, .	1.2	4
7	Abundance and Structure of the Zooplankton Community During a Post-eruptive Process: The Case of the Submarine Volcano Tagoro (El Hierro; Canary Islands), 2013-2018. Frontiers in Marine Science, 2021, 8, .	1.2	4
8	Recent Trends in SST, Chlâ€a, Productivity and Wind Stress in Upwelling and Open Ocean Areas in the Upper Eastern North Atlantic Subtropical Gyre. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017268.	1.0	21
9	Arenas Blancas (El Hierro island), a new hotspot of plastic debris in the Canary Islands (Spain). Marine Pollution Bulletin, 2021, 169, 112548.	2.3	14
10	Analysis of Volcanic Thermohaline Fluctuations of Tagoro Submarine Volcano (El Hierro Island,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.0	3
11	Distribution and transport of microplastics in the upper 1150 m of the water column at the Eastern North Atlantic Subtropical Gyre, Canary Islands, Spain. Science of the Total Environment, 2021, 788, 147802.	3.9	24
12	Geomorphic features, main habitats and associated biota on and around the newly formed Tagoro submarine volcano, Canary Islands. , 2020, , 835-846.		5
13	Significant Release of Dissolved Inorganic Nutrients From the Shallow Submarine Volcano Tagoro (Canary Islands) Based on Seven-Year Monitoring. Frontiers in Marine Science, 2020, 6, .	1.2	27
14	Large deep-sea zooplankton biomass mirrors primary production in the global ocean. Nature Communications, 2020, 11, 6048.	5.8	58
15	How old are giant squids? First approach to aging Architeuthis beaks. Bulletin of Marine Science, 2020, 96, 357-374.	0.4	5
16	First Macro-Colonizers and Survivors Around Tagoro Submarine Volcano, Canary Islands, Spain. Geosciences (Switzerland), 2019, 9, 52.	1.0	13
17	Large-scale ocean connectivity and planktonic body size. Nature Communications, 2018, 9, 142.	5.8	102
18	Noble gas signals in corals predict submarine volcanic eruptions. Chemical Geology, 2018, 480, 28-34.	1.4	16

#	Article	IF	Citations
19	Cyclic Behavior Associated with the Degassing Process at the Shallow Submarine Volcano Tagoro, Canary Islands, Spain. Geosciences (Switzerland), 2018, 8, 457.	1.0	13
20	The Emissions of the Tagoro Submarine Volcano (Canary Islands, Atlantic Ocean): Effects on the Physical and Chemical Properties of the Seawater. , 2018, , .		4
21	Emissions of Fe(II) and its kinetic of oxidation at Tagoro submarine volcano, El Hierro. Marine Chemistry, 2017, 195, 129-137.	0.9	25
22	Temperature dependence of plankton community metabolism in the subtropical and tropical oceans. Global Biogeochemical Cycles, 2017, 31, 1141-1154.	1.9	12
23	Long-range transport of airborne microbes over the global tropical and subtropical ocean. Nature Communications, 2017, 8, 201.	5.8	127
24	Differences between 1999 and 2010 across the Falkland Plateau: fronts and water masses. Ocean Science, 2017, 13, 577-587.	1.3	2
25	Phytoplankton across Tropical and Subtropical Regions of the Atlantic, Indian and Pacific Oceans. PLoS ONE, 2016, 11, e0151699.	1.1	74
26	Significant discharge of CO2 from hydrothermalism associated with the submarine volcano of El Hierro Island. Scientific Reports, 2016, 6, 25686.	1.6	35
27	Large scale patterns in vertical distribution and behaviour of mesopelagic scattering layers. Scientific Reports, 2016, 6, 19873.	1.6	170
28	Global diversity and biogeography of deep-sea pelagic prokaryotes. ISME Journal, 2016, 10, 596-608.	4.4	191
29	The <scp>C</scp>anary <scp>B</scp>asin contribution to the seasonal cycle of the <scp>A</scp>tlantic <scp>M</scp>eridional <scp>O</scp>verturning <scp>C</scp>irculation at 26Â°<scp>N</scp>. Journal of Geophysical Research: Oceans, 2015, 120, 7237-7252.	1.0	21
30	Water mass age and aging driving chromophoric dissolved organic matter in the dark global ocean. Global Biogeochemical Cycles, 2015, 29, 917-934.	1.9	60
31	Transient Changes in Bacterioplankton Communities Induced by the Submarine Volcanic Eruption of El Hierro (Canary Islands). PLoS ONE, 2015, 10, e0118136.	1.1	22
32	Comment on â€œEvidence from acoustic imaging for submarine volcanic activity in 2012 off the west coast of El Hierro (Canary Islands, Spain)â€• by PÃ©rez NM, Somoza L, HernÃ¡ndez PA, GonzÃ¡lez de Vallejo L, LeÃ³n R, Sagiya T, Biain A, GonzÃ¡lez FJ, Medialdea T, Barrancos J, IbÃ¡Ã±ez J, Sumino H, Nogami K and Romero C [Bull Volcanol (2014) 76:882-896]. Bulletin of Volcanology, 2015, 77, 1.	1.1	6
33	The Submarine Volcano Eruption off El Hierro Island: Effects on the Scattering Migrant Biota and the Evolution of the Pelagic Communities. PLoS ONE, 2014, 9, e102354.	1.1	22
34	Environmental monitoring of El Hierro Island submarine volcano, by combining low and high resolution satellite imagery. International Journal of Applied Earth Observation and Geoinformation, 2014, 29, 53-66.	1.4	28
35	Age of spent Octopus vulgaris and stress mark analysis using beaks of wild individuals. Hydrobiologia, 2014, 725, 105-114.	1.0	32
36	Remote sensing of the El Hierro submarine volcanic eruption plume. International Journal of Remote Sensing, 2014, 35, 6573-6598.	1.3	16

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37	Microstructure turbulence and diffusivity parameterization in the tropical and subtropical Atlantic, Pacific and Indian Oceans during the Malaspina 2010 expedition. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 94, 15-30.	0.6	38
38	Meridional overturning transports at 7.5N and 24.5N in the Atlantic Ocean during 1992â€“93 and 2010â€“11. Progress in Oceanography, 2014, 128, 98-114.	1.5	32
39	Spatial patterns of plankton biomass and stable isotopes reflect the influence of the nitrogen-fixer Trichodesmium along the subtropical North Atlantic. Journal of Plankton Research, 2013, 35, 513-525.	0.8	44
40	The source of the Canary current in fall 2009. Journal of Geophysical Research: Oceans, 2013, 118, 2874-2891.	1.0	23
41	The natural ocean acidification and fertilization event caused by the submarine eruption of El Hierro. Scientific Reports, 2013, 3, 1140.	1.6	77
42	The submarine volcano eruption at the island of El Hierro: physical-chemical perturbation and biological response. Scientific Reports, 2012, 2, 486.	1.6	52
43	Detection of a weak meddy-like anomaly from high-resolution satellite SST maps. Scientia Marina, 2012, 76, 229-234.	0.3	6
44	The Azores Current System from a meridional section at 24.5Â°W. Journal of Geophysical Research, 2011, 116, .	3.3	24
45	Seasonal Flow Reversals of Intermediate Waters in the Canary Current System East of the Canary Islands. Journal of Physical Oceanography, 2010, 40, 1902-1909.	0.7	29
46	Changes in Temperature and Salinity Tendencies of the Upper Subtropical North Atlantic Ocean at 24.5Â°N. Journal of Physical Oceanography, 2010, 40, 2546-2555.	0.7	8
47	Nine years of mass transport data in the eastern boundary of the North Atlantic Subtropical Gyre. Journal of Geophysical Research, 2010, 115, .	3.3	31
48	Using Argo data to investigate the Meridional Overturning Circulation in the North Atlantic. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 29-36.	0.6	22
49	Mesoscale distribution of clupeoid larvae in an upwelling filament trapped by a quasi-permanent cyclonic eddy off Northwest Africa. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 330-343.	0.6	18
50	Rising temperature and salinity fields to the north of the AlmerÃaâ€Orà¡n Front during the past decade. Journal of Geophysical Research, 2008, 113, .	3.3	2
51	Mass transport in the Bay of Biscay from an inverse box model. Journal of Geophysical Research, 2008, 113, .	3.3	7
52	Distribution of water masses and diapycnal mixing in the Cape Verde Frontal Zone. Geophysical Research Letters, 2008, 35, .	1.5	22
53	Recent changes in subsurface temperature and salinity in the Canary region. Geophysical Research Letters, 2008, 35, .	1.5	5
54	On the nature of oceanic eddies shed by the Island of Gran Canaria. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 687-709.	0.6	55

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55	Wind-driven circulation for the eastern North Atlantic Subtropical Gyre from Argo data. Geophysical Research Letters, 2006, 33, .	1.5	18
56	Canary Current and North Equatorial Current from an inverse box model. Journal of Geophysical Research, 2005, 110, .	3.3	52
57	Transport variability in the Lanzarote passage (eastern boundary current of the North Atlantic) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.6	42
58	A comparison with the Argo observing systemâ€"Gyroscope 0302 cruise. Elsevier Oceanography Series, 2003, 69, 356-360.	0.1	0