

Paolo Favali

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,418
citations

361413

20
h-index

361022

35
g-index

60
all docs

60
docs citations

60
times ranked

1933
citing authors

#	ARTICLE	IF	CITATIONS
1	GEMS: Underwater spectrometer for long-term radioactivity measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, S145-S147.	1.6	195
2	New High-Tech Flexible Networks for the Monitoring of Deep-Sea Ecosystems. Environmental Science & Technology, 2019, 53, 6616-6631.	10.0	93
3	Societal need for improved understanding of climate change, anthropogenic impacts, and geo-hazard warning drive development of ocean observatories in European Seas. Progress in Oceanography, 2011, 91, 1-33.	3.2	91
4	The Gutenberg-Richter Law and Entropy of Earthquakes: Two Case Studies in Central Italy. Bulletin of the Seismological Society of America, 2011, 101, 1386-1395.	2.3	85
5	Coastal observatories for monitoring of fish behaviour and their responses to environmental changes. Reviews in Fish Biology and Fisheries, 2015, 25, 463-483.	4.9	59
6	Teleseismic tomography of the southern Tyrrhenian subduction zone: New results from seafloor and land recordings. Journal of Geophysical Research, 2007, 112, .	3.3	54
7	Methane and hydrogen sulfide seepage in the northwest Peloponnesus petroliferous basin (Greece): Origin and geohazard. AAPG Bulletin, 2006, 90, 701-713.	1.5	52
8	Mud volcanoes discovered offshore Sicily. Marine Geology, 2003, 199, 1-6.	2.1	46
9	EMSO: European multidisciplinary seafloor observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 21-27.	1.6	45
10	NEMO-SN1 Abyssal Cabled Observatory in the Western Ionian Sea. IEEE Journal of Oceanic Engineering, 2013, 38, 358-374.	3.8	45
11	Annual Acoustic Presence of Fin Whale (<i>Balaenoptera physalus</i>) Offshore Eastern Sicily, Central Mediterranean Sea. PLoS ONE, 2015, 10, e0141838.	2.5	42
12	The Gargano promontory: An important Italian seismogenic-tsunamigenic area. Marine Geology, 1995, 122, 227-241.	2.1	40
13	Monitoring of a methane-seeping pockmark by cabled benthic observatory (Patras Gulf, Greece). Geo-Marine Letters, 2006, 26, 297-302.	1.1	32
14	Continuous monitoring of noise levels in the Gulf of Catania (Ionian Sea). Study of correlation with ship traffic. Marine Pollution Bulletin, 2017, 121, 97-103.	5.0	29
15	Detection potential of the KM3NeT detector for high-energy neutrinos from the Fermi bubbles. Astroparticle Physics, 2013, 42, 7-14.	4.3	28
16	Underwater geophysical monitoring for European Multidisciplinary Seafloor and water column Observatories. Journal of Marine Systems, 2014, 130, 12-30.	2.1	28
17	The geological links of the ancient Delphic Oracle (Greece): A reappraisal of natural gas occurrence and origin. Geology, 2006, 34, 821.	4.4	26
18	Monitoring of gas and seismic energy release by multiparametric benthic observatory along the North Anatolian Fault in the Sea of Marmara (NW Turkey). Geophysical Journal International, 2014, 196, 850-866.	2.4	26

#	ARTICLE	IF	CITATIONS
19	Seafloor Observatory Science. , 2010, , .		25
20	EMSO: A Distributed Infrastructure for Addressing Geohazards and Global Ocean Change. Oceanography, 2014, 27, 167-169.	1.0	22
21	Deep-sea survey for the detection of methane at the "Santa Maria di Leuca" cold-water coral mounds (Ionian Sea, South Italy). Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 431-440.	1.4	21
22	New insights from seismic tomography on the complex geodynamic evolution of two adjacent domains: Gulf of Cadiz and Alboran Sea. Journal of Geophysical Research: Solid Earth, 2013, 118, 1587-1601.	3.4	21
23	Toward a Comprehensive and Integrated Strategy of the European Marine Research Infrastructures for Ocean Observations. Frontiers in Marine Science, 2020, 7, .	2.5	21
24	Mission results from the first GEOSTAR observatory (Adriatic Sea, 1998). Earth, Planets and Space, 2003, 55, 361-373.	2.5	20
25	The Marsili Volcanic Seamount (Southern Tyrrhenian Sea): A Potential Offshore Geothermal Resource. Energies, 2014, 7, 4068-4086.	3.1	19
26	High quality seismological recordings from the SN-1 deep seafloor observatory in the Mt. Etna region. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	17
27	NEMO-SN-1 the first "real-time" seafloor observatory of ESONET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 462-467.	1.6	17
28	In Situ Sustained Eulerian Observatories. , 2010, , .		17
29	NEMO-SN1 observatory developments in view of the European Research Infrastructures EMSO and KM3NET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, S53-S56.	1.6	15
30	Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. Journal of Instrumentation, 2013, 8, T03006-T03006.	1.2	15
31	Rock properties of the upper-crust in Central Apennines (Italy) derived from high-resolution 3-D tomography. Geophysical Research Letters, 2003, 30, .	4.0	14
32	Geohazards in the Western Ionian Sea: Insights from Non-Earthquake Signals Recorded by the NEMO-SN1 Seafloor Observatory. Oceanography, 2014, 27, 154-166.	1.0	14
33	New observations of local seismicity by the SN-1 seafloor observatory in the Ionian Sea, off-shore Eastern Sicily (Italy). Geophysical Journal International, 2007, 169, 490-501.	2.4	11
34	Seismic Tomography Experiment at Italy's Stromboli Volcano. Eos, 2008, 89, 269-270.	0.1	11
35	Gas Hazard Induced by Methane and Hydrogen Sulfide Seepage in the NW Peloponnesus Petroliferous Basin (Greece). Terrestrial, Atmospheric and Oceanic Sciences, 2005, 16, 897.	0.6	11
36	The Importance of Marine Research Infrastructures in Capturing Processes and Impacts of Extreme Events. Frontiers in Marine Science, 2021, 8, .	2.5	10

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37	The EMSO-ERIC Pan-European Consortium: Data Benefits and Lessons Learned as the Legal Entity Forms. <i>Marine Technology Society Journal</i> , 2016, 50, 8-15.	0.4	10
38	Observing Volcanoes from the Seafloor in the Central Mediterranean Area. <i>Remote Sensing</i> , 2016, 8, 298.	4.0	8
39	The EMSO Generic Instrument Module (EGIM): Standardized and Interoperable Instrumentation for Ocean Observation. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	8
40	Low-frequency seismic signals recorded by OBS at Stromboli volcano (Southern Tyrrhenian Sea). <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	6
41	Geologic Emissions of Methane from lands and seafloor: mud volcanoes and observing systems. <i>Environmental Geology</i> , 2004, 46, 987-987.	1.2	5
42	Palaeomagnetic database: the effect of quality filtering for geodynamic studies. <i>Geological Society Special Publication</i> , 1996, 105, 225-237.	1.3	3
43	Stromboli: a natural laboratory of environmental science. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 113, 429-442.	2.1	3
44	Volcanic Tremor of Mt. Etna (Italy) Recorded by NEMO-SN1 Seafloor Observatory: A New Perspective on Volcanic Eruptions Monitoring. <i>Geosciences (Switzerland)</i> , 2019, 9, 115.	2.2	3
45	NEMO-SNI real-time cabled seafloor observatory (southern Italy): operation assessment after two years from the deployment and next perspectives. , 2007, , .		2
46	EMSO: European multidisciplinary seafloor observatory. , 2011, , .		2
47	NEMO-SN1 (Western Ionian Sea, off Eastern Sicily): Example of architecture of a cabled observatory. , 2011, , .		2
48	Towards permanent, multi-disciplinary seafloor observatories in the Sea of Marmara: Results from the Marmara Demonstration Mission of ESONET/NoE. , 2011, , .		2
49	GEOSTAR deep seafloor missions: magnetic data analysis and 1D geoelectric structure underneath the Southern Tyrrhenian Sea. <i>Annals of Geophysics</i> , 2010, 52, .	1.0	2
50	A cabled monitoring module for gas seepage: the first experiment in a pockmark (Patras Gulf, Greece). , 2007, , .		1
51	EMSO European research infrastructure: Towards an integrated strategy for the observation of the seafloor and the water column. , 2015, , .		1
52	A procedure to ensure a good quality of signals recorded by multidisciplinary seafloor observatories. , 2015, , .		1
53	The role of constraints on joint hypocentre determination in seismotectonic studies. <i>Geophysical Journal International</i> , 2000, 143, 129-141.	2.4	0
54	The MARDEP project: The Sea of Marmara observatory infrastructure for multidisciplinary earthquake and environmental research and monitoring. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
55	EMSO — The European multidisciplinary seafloor and water-column observatory: Transition from planning to implementation. , 2014, , .		0
56	European multidisciplinary seafloor and water-column observatory (EMSO): Power and Internet to European waters. , 2014, , .		0
57	In memory of giuseppe smriglio. Developments in Marine Technology, 2002, , v.	0.5	0
58	The Marsili Seamount Offshore Geothermal Reservoir: A Big Challenge for an Energy Transition Model. Energies, 2022, 15, 1900.	3.1	0