

Vicki Ferrini

List of Publications by Year in descending order

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28
papers

3,071
citations

567281

15
h-index

552781

26
g-index

36
all docs

36
docs citations

36
times ranked

5030
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Multi-Resolution Topography synthesis. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	1,428
2	A new digital bathymetric model of the world's oceans. <i>Earth and Space Science</i> , 2015, 2, 331-345.	2.6	651
3	The Nippon Foundation's GEBCO Seabed 2030 Project: The Quest to See the World's Oceans Completely Mapped by 2030. <i>Geosciences (Switzerland)</i> , 2018, 8, 63.	2.2	252
4	Seafloor Mapping – The Challenge of a Truly Global Ocean Bathymetry. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	140
5	How many vent fields? New estimates of vent field populations on ocean ridges from precise mapping of hydrothermal discharge locations. <i>Earth and Planetary Science Letters</i> , 2016, 449, 186-196.	4.4	92
6	The effects of fine-scale surface roughness and grain size on 300 kHz multibeam backscatter intensity in sandy marine sedimentary environments. <i>Marine Geology</i> , 2006, 228, 153-172.	2.1	79
7	The East Pacific Rise Between 9°N and 10°N: Twenty-Five Years of Integrated, Multidisciplinary Oceanic Spreading Center Studies. <i>Oceanography</i> , 2012, 25, 18-43.	1.0	72
8	Variable morphologic expression of volcanic, tectonic, and hydrothermal processes at six hydrothermal vent fields in the Lau back-arc basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	52
9	Monitoring and Modeling the Rapid Evolution of Earth's Newest Volcanic Island: <i>Hunga Tonga Hunga Ha'apai</i> (Tonga) Using High Spatial Resolution Satellite Observations. <i>Geophysical Research Letters</i> , 2018, 45, 3445-3452.	4.0	43
10	The 2005 Chios Ancient Shipwreck Survey: New Methods for Underwater Archaeology. <i>Hesperia</i> , 2009, 78, 269-305.	0.2	42
11	A comparison of Rippled Scour Depressions identified with multibeam sonar: Evidence of sediment transport in inner shelf environments. <i>Continental Shelf Research</i> , 2005, 25, 1979-1995.	1.8	40
12	Submeter bathymetric mapping of volcanic and hydrothermal features on the East Pacific Rise crest at 9°50'N. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	40
13	Imaging of CO ₂ bubble plumes above an erupting submarine volcano, NW Rota Island, Mariana Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4325-4342.	2.5	25
14	A decade of volcanic construction and destruction at the summit of NW Rota Island seamount: 2004–2014. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1558-1584.	3.4	23
15	The Pink and White Terraces of Lake Rotomahana: what was their fate after the 1886 Tarawera Rift eruption?. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 314, 126-141.	2.1	18
16	Evidence of mass failure in the Hess Deep Rift from multi-resolutional bathymetry data. <i>Marine Geology</i> , 2013, 339, 13-21.	2.1	15
17	Characterization of the in situ magnetic architecture of oceanic crust (Hess Deep) using near-source vector magnetic data. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4130-4146.	3.4	10
18	Navigational infrastructure at the East Pacific Rise 9°50'N area following the 2005–2006 eruption: Seafloor benchmarks and near-bottom multibeam surveys. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	7

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19	Sedimentary Characteristics and Acoustic Detectability of Ship-derived Deposits in Western Lake Ontario. <i>Journal of Great Lakes Research</i> , 2001, 27, 210-219.	1.9	6
20	Rescue of long-tail data from the ocean bottom to the Moon: IEDA Data Rescue Mini-Awards. <i>GeoResJ</i> , 2015, 6, 108-114.	1.4	6
21	Integrative acoustic mapping reveals Hudson River sediment processes and habitats. <i>Eos</i> , 2005, 86, 225.	0.1	5
22	A variable resolution right TIN approach for gridded oceanographic data. <i>Computers and Geosciences</i> , 2017, 109, 59-66.	4.2	5
23	Benthic Habitat Mapping in the Hudson River Estuary. , 2006, , 51-64.		5
24	Applying single-image super-resolution for the enhancement of deep-water bathymetry. <i>Heliyon</i> , 2019, 5, e02570.	3.2	4
25	Computer-Assisted Analysis of Near-Bottom Photos for Benthic Habitat Studies. , 2006, , .		2
26	Open access to research artifacts: Implementing the next generation data management plan. <i>Proceedings of the Association for Information Science and Technology</i> , 2019, 56, 481-485.	0.6	2
27	Assembling the Bathymetric Puzzle to Create a Global Ocean Map. <i>Marine Technology Society Journal</i> , 2020, 54, 13-17.	0.4	2
28	A global geographic grid system for visualizing bathymetry. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2020, 9, 375-384.	1.6	1