

Dana R Yoerger

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

3,650
citations

236925

25
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

4217
citing authors

#	ARTICLE	IF	CITATIONS
1	A Serpentinite-Hosted Ecosystem: The Lost City Hydrothermal Field. <i>Science</i> , 2005, 307, 1428-1434.	12.6	1,037
2	Tracking Hydrocarbon Plume Transport and Biodegradation at Deepwater Horizon. <i>Science</i> , 2010, 330, 201-204.	12.6	701
3	First active hydrothermal vents on an ultraslow-spreading center: Southwest Indian Ridge. <i>Geology</i> , 2012, 40, 47-50.	4.4	236
4	Techniques for Deep Sea Near Bottom Survey Using an Autonomous Underwater Vehicle. <i>International Journal of Robotics Research</i> , 2007, 26, 41-54.	8.5	189
5	Geology and venting characteristics of the Mothra hydrothermal field, Endeavour segment, Juan de Fuca Ridge. <i>Geology</i> , 2001, 29, 959.	4.4	143
6	Hydrothermal exploration with the Autonomous Benthic Explorer. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 203-219.	1.4	132
7	Footprint of <i>Deepwater Horizon</i> blowout impact to deep-water coral communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11744-11749.	7.1	123
8	Iron Age Shipwrecks in Deep Water off Ashkelon, Israel. <i>American Journal of Archaeology</i> , 2002, 106, 151-168.	0.1	121
9	Acoustic measurement of the <i>Deepwater Horizon</i> Macondo well flow rate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20235-20239.	7.1	101
10	The largest deep-ocean silicic volcanic eruption of the past century. <i>Science Advances</i> , 2018, 4, e1701121.	10.3	80
11	Autonomous and Remotely Operated Vehicle Technology for Hydrothermal Vent Discovery, Exploration, and Sampling. <i>Oceanography</i> , 2007, 20, 152-161.	1.0	62
12	Surveying a subsea lava flow using the Autonomous Benthic Explorer (ABE). <i>International Journal of Systems Science</i> , 1998, 29, 1031-1044.	5.5	60
13	Microbathymetric Mapping from Underwater Vehicles in the Deep Ocean. <i>Computer Vision and Image Understanding</i> , 2000, 79, 143-161.	4.7	58
14	Mapping multiple gas/odor sources in an uncontrolled indoor environment using a Bayesian occupancy grid mapping based method. <i>Robotics and Autonomous Systems</i> , 2011, 59, 988-1000.	5.1	57
15	Thickness of a submarine lava flow determined from near-bottom magnetic field mapping by autonomous underwater vehicle. <i>Geophysical Research Letters</i> , 1998, 25, 805-808.	4.0	56
16	Asphalt volcanoes as a potential source of methane to late Pleistocene coastal waters. <i>Nature Geoscience</i> , 2010, 3, 345-348.	12.9	55
17	A hybrid underwater robot for multidisciplinary investigation of the ocean twilight zone. <i>Science Robotics</i> , 2021, 6, .	17.6	45
18	An Arctic Basin Observational Capability Using AUVs. <i>Oceanography</i> , 2000, 13, 64-70.	1.0	37

#	ARTICLE	IF	CITATIONS
19	Waxing and waning volcanism along the East Pacific Rise on a millennium time scale. <i>Geology</i> , 2003, 31, 633.	4.4	37
20	Journey to the Challenger Deep: 50 Years Later With the <i>Nereus</i> Hybrid Remotely Operated Vehicle. <i>Marine Technology Society Journal</i> , 2009, 43, 65-76.	0.4	34
21	Cold-seep habitat mapping: High-resolution spatial characterization of the Blake Ridge Diapir seep field. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 92, 183-188.	1.4	34
22	Development and evolution of detachment faulting along 50 km of the Mid-Atlantic Ridge near 16.5°N. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4692-4711.	2.5	32
23	Design and performance evaluation of an actively compliant underwater manipulator for full-ocean depth. <i>Journal of Field Robotics</i> , 1991, 8, 371-392.	0.7	27
24	Geologic setting of PACManus hydrothermal area – High resolution mapping and in situ observations. <i>Marine Geology</i> , 2014, 355, 98-114.	2.1	27
25	A novel trigger-based method for hydrothermal vents prospecting using an autonomous underwater robot. <i>Autonomous Robots</i> , 2010, 29, 67-83.	4.8	26
26	Ocean Dumping of Containerized DDT Waste Was a Sloppy Process. <i>Environmental Science & Technology</i> , 2019, 53, 2971-2980.	10.0	23
27	Rapid dispersal of a hydrothermal plume by turbulent mixing. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 931-945.	1.4	17
28	Mid-Ocean Ridge Exploration with an Autonomous Underwater Vehicle. <i>Oceanography</i> , 2007, 20, 52-61.	1.0	15
29	Autonomous Marine Robotic Technology Reveals an Expansive Benthic Bacterial Community Relevant to Regional Nitrogen Biogeochemistry. <i>Environmental Science & Technology</i> , 2016, 50, 11057-11065.	10.0	14
30	Dynamics and navigation of autonomous underwater vehicles for submarine gravity surveying. <i>Geophysics</i> , 2013, 78, G55-G68.	2.6	12
31	Subaqueous cryptodome eruption, hydrothermal activity and related seafloor morphologies on the andesitic North Su volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 323, 80-96.	2.1	11
32	Sedimentation rates test models of oceanic detachment faulting. <i>Geophysical Research Letters</i> , 2014, 41, 7080-7088.	4.0	9
33	Technological Developments Since the Deepwater Horizon Oil Spill. <i>Oceanography</i> , 2021, 34, 192-211.	1.0	5
34	Twilight Zone Observation Network: A Distributed Observation Network for Sustained, Real-Time Interrogation of the Ocean's Twilight Zone. <i>Marine Technology Society Journal</i> , 2021, 55, 92-93.	0.4	2
35	Marine animal tracking with classical and emerging localization algorithms. <i>Science Robotics</i> , 2020, 5, .	17.6	0