

David W Caress

List of Publications by Year in descending order

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57
papers

2,696
citations

172457

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58
times ranked

2489
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport of Heat by Hydrothermal Circulation in a Young Rift Setting: Observations From the Auka and JaichMaa Ja'ag' Vent Field in the Pescadero Basin, Southern Gulf of California. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022300.	3.4	4
2	A New Method for Faultâ€Scarp Detection Using Linear Discriminant Analysis in Highâ€Resolution Bathymetry Data From the AlarcÃ³n Rise and Pescadero Basin. <i>Tectonics</i> , 2021, 40, .	2.8	3
3	Changing Brine Inputs Into Hydrothermal Fluids: Southern Cleft Segment, Juan de Fuca Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009360.	2.5	4
4	Hydrothermal Chimney Distribution on the Endeavour Segment, Juan de Fuca Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008917.	2.5	13
5	Detection and characterisation of deep-sea benthopelagic animals from an autonomous underwater vehicle with a multibeam echosounder: A proof of concept and description of data-processing methods. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 134, 64-79.	1.4	32
6	Geology of the Alarcon Rise, Southern Gulf of California. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 807-837.	2.5	29
7	Discovery of Hydrothermal Vent Fields on AlarcÃ³n Rise and in Southern Pescadero Basin, Gulf of California. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4788-4819.	2.5	40
8	Investigation of Late Pleistocene and Holocene Activity in the San Gregorio Fault Zone on the Continental Slope North of Monterey Canyon, Offshore Central California. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 1094-1106.	2.3	4
9	Records of continental slope sediment flow morphodynamic responses to gradient and active faulting from integrated AUV and ROV data, offshore Palos Verdes, southern California Borderland. <i>Marine Geology</i> , 2017, 393, 47-66.	2.1	17
10	Unraveling the Channelâ€Lobe Transition Zone With High-Resolution AUV Bathymetry: Navy Fan, Offshore Baja California, Mexico. <i>Journal of Sedimentary Research</i> , 2017, 87, 1049-1059.	1.6	37
11	Voluminous eruption from a zoned magma body after an increase in supply rate at Axial Seamount. <i>Geophysical Research Letters</i> , 2016, 43, 12,063.	4.0	57
12	Source Characterization and Tsunami Modeling of Submarine Landslides Along the YucatÃ¡n Shelf/Campeche Escarpment, Southern Gulf of Mexico. <i>Pure and Applied Geophysics</i> , 2016, 173, 4101-4116.	1.9	10
13	Fine-Scale Morphology of Tubeworm Slump, Monterey Canyon. <i>Advances in Natural and Technological Hazards Research</i> , 2016, , 155-162.	1.1	2
14	Eel Canyon Slump Scar and Associated Fluid Venting. <i>Advances in Natural and Technological Hazards Research</i> , 2016, , 411-418.	1.1	6
15	Active mud volcanoes on the continental slope of the <sc>C</sc>anadian <sc>B</sc>eaufort <sc>S</sc>ea. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3160-3181.	2.5	55
16	The Palos Verdes Fault offshore Southern California: Late Pleistocene to present tectonic geomorphology, seascape evolution, and slip rate estimate based on AUV and ROV surveys. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 4734-4758.	3.4	31
17	Seafloor geomorphic manifestations of gas venting and shallow subbottom gas hydrate occurrences. , 2015, 11, 491-513.		28
18	Submarine canyons of Santa Monica Bay, Southern California: Variability in morphology and sedimentary processes. <i>Marine Geology</i> , 2015, 365, 61-79.	2.1	38

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19	An evaluation of deep-sea benthic megafauna length measurements obtained with laser and stereo camera methods. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 96, 38-48.	1.4	25
20	Cretaceous–Paleogene boundary exposed: Campeche Escarpment, Gulf of Mexico. <i>Marine Geology</i> , 2014, 357, 392-400.	2.1	29
21	Sub-decadal turbidite frequency during the early Holocene: Eel Fan, offshore northern California. <i>Geology</i> , 2014, 42, 855-858.	4.4	29
22	Eruptive and tectonic history of the Endeavour Segment, Juan de Fuca Ridge, based on AUV mapping data and lava flow ages. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3364-3391.	2.5	37
23	Temporal variation of methane flares in the ocean above Hydrate Ridge, Oregon. <i>Earth and Planetary Science Letters</i> , 2013, 368, 33-42.	4.4	52
24	Anatomy of the La Jolla Submarine Canyon system; offshore southern California. <i>Marine Geology</i> , 2013, 335, 16-34.	2.1	82
25	Deep-sea channel evolution and stratigraphic architecture from inception to abandonment from high-resolution Autonomous Underwater Vehicle surveys offshore central California. <i>Sedimentology</i> , 2013, 60, 935-960.	3.1	57
26	Geologic history of the summit of Axial Seamount, Juan de Fuca Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4403-4443.	2.5	47
27	The 1998 eruption of Axial Seamount: New insights on submarine lava flow emplacement from high-resolution mapping. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3939-3968.	2.5	62
28	Preruptive flow focussing in dikes feeding historical pillow ridges on the Juan de Fuca and Gorda Ridges. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3586-3599.	2.5	23
29	Punctuated Deep-Water Channel Migration: High-Resolution Subsurface Data From the Lucia Chica Channel System, Offshore California, U.S.A.–Reply. <i>Journal of Sedimentary Research</i> , 2013, 83, 93-95.	1.6	1
30	Repeat bathymetric surveys at 1-metre resolution of lava flows erupted at Axial Seamount in April 2011. <i>Nature Geoscience</i> , 2012, 5, 483-488.	12.9	96
31	MBARI mapping AUV operations: In the Gulf of California. , 2012, , .		9
32	Endeavour Segment of the Juan de Fuca Ridge: One of the Most Remarkable Places on Earth. <i>Oceanography</i> , 2012, 25, 44-61.	1.0	65
33	Volcanic Eruptions in the Deep Sea. <i>Oceanography</i> , 2012, 25, 142-157.	1.0	112
34	Punctuated Deep-Water Channel Migration: High-Resolution Subsurface Data from the Lucia Chica Channel System, Offshore California, U.S.A. <i>Journal of Sedimentary Research</i> , 2012, 82, 1-8.	1.6	53
35	Volcanic morphology of West Mata Volcano, NE Lau Basin, based on high-resolution bathymetry and depth changes. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	46
36	The elusive character of discontinuous deep-water channels: New insights from Lucia Chica channel system, offshore California. <i>Geology</i> , 2011, 39, 327-330.	4.4	66

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37	Active submarine eruption of boninite in the northeastern Lau Basin. <i>Nature Geoscience</i> , 2011, 4, 799-806.	12.9	163
38	Title is missing!. , 2011, 7, 1077.		102
39	Origins of large crescent-shaped bedforms within the axial channel of Monterey Canyon, offshore California. , 2010, 6, 755-774.		135
40	Fine-scale relief related to Late Holocene channel shifting within the floor of the upper Redondo Fan, offshore Southern California. <i>Sedimentology</i> , 2009, 56, 1690-1704.	3.1	47
41	SeaWASP: A Small Waterplane Area Twin Hull Autonomous Platform for Shallow Water Mapping. <i>Marine Technology Society Journal</i> , 2009, 43, 6-12.	0.4	11
42	Association among active seafloor deformation, mound formation, and gas hydrate growth and accumulation within the seafloor of the Santa Monica Basin, offshore California. <i>Marine Geology</i> , 2008, 250, 258-275.	2.1	84
43	Comparison of MBARI Autonomous Underwater Mapping Results for ORION Monterey Accelerated Research System (MARS) and Neptune Canada. , 2007, , .		2
44	High-Resolution Multibeam and Subbottom Surveys of Submarine Canyons, Deep-Sea Fan Channels, and Gas Seeps Using the MBARI Mapping AUV. , 2006, , .		20
45	The Cleft revealed: Geologic, magnetic, and morphologic evidence for construction of upper oceanic crust along the southern Juan de Fuca Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	48
46	Discordant 14C-stratigraphies in upper Monterey Canyon: A signal of anthropogenic disturbance. <i>Marine Geology</i> , 2006, 233, 21-36.	2.1	37
47	Distribution of chemosynthetic biological communities in Monterey Bay, California. <i>Geology</i> , 2005, 33, 85.	4.4	29
48	Multiple episodes of volcanism in the Southern Austral Islands: Flexural constraints from bathymetry, seismic reflection, and gravity data. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	12
49	The Vema Transverse Ridge (Central Atlantic). <i>Marine Geophysical Researches</i> , 1998, 20, 533-556.	1.2	32
50	Sedimentary regimes at the Macquarie Ridge Complex: Interaction of Southern Ocean circulation and plate boundary bathymetry. <i>Paleoceanography</i> , 1998, 13, 646-670.	3.0	24
51	Failure of plume theory to explain midplate volcanism in the southern Austral islands. <i>Nature</i> , 1997, 389, 479-482.	27.8	140
52	Improved processing of Hydrosweep DS multibeam data on the R/V Maurice Ewing. <i>Marine Geophysical Researches</i> , 1996, 18, 631-650.	1.2	217
53	Seismic imaging of hotspot-related crustal underplating beneath the Marquesas Islands. <i>Nature</i> , 1995, 373, 600-603.	27.8	157
54	Mudwaves on the Gardar sediment drift, NE Atlantic. <i>Paleoceanography</i> , 1994, 9, 973-988.	3.0	30

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55	Structural trends and back-arc extension in the Havre Trough. <i>Geophysical Research Letters</i> , 1991, 18, 853-856.	4.0	29
56	Tomographic image of the magma chamber at 12°50' N on the East Pacific Rise. <i>Nature</i> , 1989, 339, 206-208.	27.8	70
57	Results from MBARI's Integrated Mapping System. , 0, , .		6