David W Caress

List of Publications by Year
in descending order

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57	2,696	172457	206112
papers	citations	29 h-index	48 g-index

58	58	58	2489
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved processing of Hydrosweep DS multibeam data on the R/V Maurice Ewing. Marine Geophysical Researches, 1996, 18, 631-650.	1.2	217
2	Active submarine eruption of boninite in the northeastern Lau Basin. Nature Geoscience, 2011, 4, 799-806.	12.9	163
3	Seismic imaging of hotspot-related crustal underplating beneath the Marquesas Islands. Nature, 1995, 373, 600-603.	27.8	157
4	Failure of plume theory to explain midplate volcanism in the southern Austral islands. Nature, 1997, 389, 479-482.	27.8	140
5	Origins of large crescent-shaped bedforms within the axial channel of Monterey Canyon, offshore California. , 2010, 6, 755-774.		135
6	Volcanic Eruptions in the Deep Sea. Oceanography, 2012, 25, 142-157.	1.0	112
7	Title is missing!. , 2011, 7, 1077.		102
8	Repeat bathymetric surveys at 1-metre resolution of lava flows erupted at Axial Seamount in AprilÂ2011. Nature Geoscience, 2012, 5, 483-488.	12.9	96
9	Association among active seafloor deformation, mound formation, and gas hydrate growth and accumulation within the seafloor of the Santa Monica Basin, offshore California. Marine Geology, 2008, 250, 258-275.	2.1	84
10	Anatomy of the La Jolla Submarine Canyon system; offshore southern California. Marine Geology, 2013, 335, 16-34.	2.1	82
11	Tomographic image of the magma chamber at 12Â°50' N on the East Pacific Rise. Nature, 1989, 339, 206-208.	27.8	70
12	The elusive character of discontinuous deep-water channels: New insights from Lucia Chica channel system, offshore California. Geology, 2011, 39, 327-330.	4.4	66
13	Endeavour Segment of the Juan de Fuca Ridge: One of the Most Remarkable Places on Earth. Oceanography, 2012, 25, 44-61.	1.0	65
14	The 1998 eruption of Axial Seamount: New insights on submarine lava flow emplacement from highâ€resolution mapping. Geochemistry, Geophysics, Geosystems, 2013, 14, 3939-3968.	2.5	62
15	Deepâ€sea channel evolution and stratigraphic architecture from inception to abandonment from highâ€resolution Autonomous Underwater Vehicle surveys offshore central California. Sedimentology, 2013, 60, 935-960.	3.1	57
16	Voluminous eruption from a zoned magma body after an increase in supply rate at Axial Seamount. Geophysical Research Letters, 2016, 43, 12,063.	4.0	57
17	Active mud volcanoes on the continental slope of the <scp>C</scp>anadian <scp>B</scp>eaufort <scp>S</scp>ea. Geochemistry, Geophysics, Geosystems, 2015, 16, 3160-3181.	2.5	55
18	Punctuated Deep-Water Channel Migration: High-Resolution Subsurface Data from the Lucia Chica Channel System, Offshore California, U.S.A. Journal of Sedimentary Research, 2012, 82, 1-8.	1.6	53

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19	Temporal variation of methane flares in the ocean above Hydrate Ridge, Oregon. Earth and Planetary Science Letters, 2013, 368, 33-42.	4.4	52
20	The Cleft revealed: Geologic, magnetic, and morphologic evidence for construction of upper oceanic crust along the southern Juan de Fuca Ridge. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	48
21	Fineâ€scale relief related to Late Holocene channel shifting within the floor of the upper Redondo Fan, offshore Southern California. Sedimentology, 2009, 56, 1690-1704.	3.1	47
22	Geologic history of the summit of Axial Seamount, Juan de Fuca Ridge. Geochemistry, Geophysics, Geosystems, 2013, 14, 4403-4443.	2.5	47
23	Volcanic morphology of West Mata Volcano, NE Lau Basin, based on high-resolution bathymetry and depth changes. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	46
24	Discovery of Hydrothermal Vent Fields on AlarcÃ³n Rise and in Southern Pescadero Basin, Gulf of California. Geochemistry, Geophysics, Geosystems, 2018, 19, 4788-4819.	2.5	40
25	Submarine canyons of Santa Monica Bay, Southern California: Variability in morphology and sedimentary processes. Marine Geology, 2015, 365, 61-79.	2.1	38
26	Discordant 14C-stratigraphies in upper Monterey Canyon: A signal of anthropogenic disturbance. Marine Geology, 2006, 233, 21-36.	2.1	37
27	Eruptive and tectonic history of the Endeavour Segment, Juan de Fuca Ridge, based on AUV mapping data and lava flow ages. Geochemistry, Geophysics, Geosystems, 2014, 15, 3364-3391.	2.5	37
28	Unraveling the Channelâ€“Lobe Transition Zone With High-Resolution AUV Bathymetry: Navy Fan, Offshore Baja California, Mexico. Journal of Sedimentary Research, 2017, 87, 1049-1059.	1.6	37
29	The Vema Transverse Ridge (Central Atlantic). Marine Geophysical Researches, 1998, 20, 533-556.	1.2	32
30	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. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 134, 64-79.	1.4	32
31	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. Journal of Geophysical Research: Solid Earth, 2015, 120, 4734-4758.	3.4	31
32	Mudwaves on the Gardar sediment drift, NE Atlantic. Paleoceanography, 1994, 9, 973-988.	3.0	30
33	Structural trends and backâ€arc extension in the Havre Trough. Geophysical Research Letters, 1991, 18, 853-856.	4.0	29
34	Distribution of chemosynthetic biological communities in Monterey Bay, California. Geology, 2005, 33, 85.	4.4	29
35	Cretaceousâ€“Paleogene boundary exposed: Campeche Escarpment, Gulf of Mexico. Marine Geology, 2014, 357, 392-400.	2.1	29
36	Sub-decadal turbidite frequency during the early Holocene: Eel Fan, offshore northern California. Geology, 2014, 42, 855-858.	4.4	29

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37	Geology of the Alarcon Rise, Southern Gulf of California. Geochemistry, Geophysics, Geosystems, 2018, 19, 807-837.	2.5	29
38	Seafloor geomorphic manifestations of gas venting and shallow subbottom gas hydrate occurrences. , 2015, 11, 491-513.		28
39	An evaluation of deep-sea benthic megafauna length measurements obtained with laser and stereo camera methods. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 96, 38-48.	1.4	25
40	Sedimentary regimes at the Macquarie Ridge Complex: Interaction of Southern Ocean circulation and plate boundary bathymetry. Paleoceanography, 1998, 13, 646-670.	3.0	24
41	Preeruptive flow focussing in dikes feeding historical pillow ridges on the Juan de Fuca and Gorda Ridges. Geochemistry, Geophysics, Geosystems, 2013, 14, 3586-3599.	2.5	23
42	High-Resolution Multibeam and Subbottom Surveys of Submarine Canyons, Deep-Sea Fan Channels, and Gas Seeps Using the MBARI Mapping AUV. , 2006, , .		20
43	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. Marine Geology, 2017, 393, 47-66.	2.1	17
44	Hydrothermal Chimney Distribution on the Endeavour Segment, Juan de Fuca Ridge. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC008917.	2.5	13
45	Multiple episodes of volcanism in the Southern Austral Islands: Flexural constraints from bathymetry, seismic reflection, and gravity data. Journal of Geophysical Research, 2004, 109, .	3.3	12
46	SeaWASP: A Small Waterplane Area Twin Hull Autonomous Platform for Shallow Water Mapping. Marine Technology Society Journal, 2009, 43, 6-12.	0.4	11
47	Source Characterization and Tsunami Modeling of Submarine Landslides Along the YucatÃ¡n Shelf/Campeche Escarpment, Southern Gulf of Mexico. Pure and Applied Geophysics, 2016, 173, 4101-4116.	1.9	10
48	MBARI mapping AUV operations: In the Gulf of California. , 2012, , .		9
49	Results from MBARIâ€™s Integrated Mapping System. , 0, , .		6
50	Eel Canyon Slump Scar and Associated Fluid Venting. Advances in Natural and Technological Hazards Research, 2016, , 411-418.	1.1	6
51	Investigation of Late Pleistocene and Holocene Activity in the San Gregorio Fault Zone on the Continental Slope North of Monterey Canyon, Offshore Central California. Bulletin of the Seismological Society of America, 2017, 107, 1094-1106.	2.3	4
52	Changing Brine Inputs Into Hydrothermal Fluids: Southern Cleft Segment, Juan de Fuca Ridge. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009360.	2.5	4
53	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. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022300.	3.4	4
54	A New Method for Faultâ€Scarp Detection Using Linear Discriminant Analysis in Highâ€Resolution Bathymetry Data From the AlarcÃ³n Rise and Pescadero Basin. Tectonics, 2021, 40, .	2.8	3

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55	Comparison of MBARI Autonomous Underwater Mapping Results for ORION Monterey Accelerated Research System (MARS) and Neptune Canada. , 2007, , .		2
56	Fine-Scale Morphology of Tubeworm Slump, Monterey Canyon. Advances in Natural and Technological Hazards Research, 2016, , 155-162.	1.1	2
57	Punctuated Deep-Water Channel Migration: High-Resolution Subsurface Data From the Lucia Chica Channel System, Offshore California, U.S.A.–Reply. Journal of Sedimentary Research, 2013, 83, 93-95.	1.6	1