

# David C Mosher

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,792  
citations

430442

18  
h-index

344852

36  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of bottom currents on deep water sedimentary processes of Canada Basin, Arctic Ocean. <i>Earth and Planetary Science Letters</i> , 2021, 569, 117067.	1.8	7
2	Turbidity currents at polar latitudes: A case study of NP-28 channel in the Amundsen Basin, Arctic Ocean. <i>Marine Geology</i> , 2021, 440, 106571.	0.9	6
3	Mass wasting on Alpha Ridge in the Arctic Ocean: new insights from multibeam bathymetry and sub-bottom profiler data. <i>Geological Society Special Publication</i> , 2020, 500, 323-340.	0.8	4
4	The Seafloor of Southeastern Canada. <i>World Geomorphological Landscapes</i> , 2020, , 453-471.	0.1	0
5	Canada Basin. , 2019, , 295-325.		6
6	Surficial sediment failures due to the 1929 Grand Banks Earthquake, St Pierre Slope. <i>Geological Society Special Publication</i> , 2019, 477, 583-596.	0.8	12
7	A Massive Slump on the St. Pierre Slope, A New Perspective on the 1929 Grand Banks Submarine Landslide. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 7538-7561.	1.4	18
8	Assessing Submarine Slope Stability through Deterministic and Probabilistic Approaches: A Case Study on the West-Central Scotia Slope. <i>Geosciences (Switzerland)</i> , 2019, 9, 18.	1.0	9
9	Paleoseismicity of the continental margin of eastern Canada: Rare regional failures and associated turbidites in Orphan Basin. , 2019, 15, 85-107.		5
10	Advancing from subaqueous mass movement case studies to providing advice and mitigation. <i>Geological Society Special Publication</i> , 2019, 477, 1-14.	0.8	4
11	Modelling the 1929 Grand Banks slump and landslide tsunami. <i>Geological Society Special Publication</i> , 2019, 477, 315-331.	0.8	33
12	Reconstructing the sediment concentration of a giant submarine gravity flow. <i>Nature Communications</i> , 2018, 9, 2616.	5.8	34
13	The sedimentary and crustal velocity structure of Makarov Basin and adjacent Alpha Ridge. <i>Tectonophysics</i> , 2017, 696-697, 99-114.	0.9	20
14	Exploring the geology of the central Arctic Ocean; understanding the basin features in place and time. <i>Journal of the Geological Society</i> , 2016, 173, 967-987.	0.9	29
15	Geophysical evidence for widespread Cenozoic bottom current activity from the continental margin of Nova Scotia, Canada. <i>Marine Geology</i> , 2016, 378, 237-260.	0.9	34
16	Seismic velocities within the sedimentary succession of the Canada Basin and southern Alpha-Mendeleev Ridge, Arctic Ocean: evidence for accelerated porosity reduction?. <i>Geophysical Journal International</i> , 2016, 204, 1-20.	1.0	25
17	Seismic stratigraphy, structure and morphology of Makarov Basin and surrounding regions: tectonic implications. <i>Marine Geology</i> , 2016, 374, 1-13.	0.9	32
18	The Role of Submarine Landslides in the Law of the Sea. <i>Advances in Natural and Technological Hazards Research</i> , 2016, , 15-26.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Seismic stratigraphic framework and depositional history of a large Upper Cretaceous and Cenozoic depocenter off southwest Nova Scotia, Canada. <i>Marine and Petroleum Geology</i> , 2015, 65, 22-42.	1.5	9
20	Seafloor cratering and sediment remolding at sites of fluid escape. <i>Geology</i> , 2015, 43, 895-898.	2.0	6
21	Chapter 2 Continental shelves of Atlantic Canada. <i>Geological Society Memoir</i> , 2014, 41, 7-19.	0.9	4
22	Submarine Mass Movements and Their Consequences. , 2012, , 1-12.		12
23	Turbidite deposition and the development of canyons through time on an intermittently glaciated continental margin: The Bonanza Canyon system, offshore eastern Canada. <i>Marine and Petroleum Geology</i> , 2012, 29, 90-103.	1.5	12
24	Seismic velocities on the Nova Scotian margin to estimate gas hydrate and free gas concentrations. <i>Marine and Petroleum Geology</i> , 2012, 35, 105-115.	1.5	15
25	Submarine Landslides in Arctic Sedimentation: Canada Basin. , 2012, , 147-157.		11
26	The International Bathymetric Chart of the Arctic Ocean (IBCAO) Version 3.0. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	888
27	Erosional and Depositional Features of Glacial Meltwater Discharges on the Eastern Canadian Continental Margin. , 2012, , 61-80.		13
28	A margin-wide BSR gas hydrate assessment: Canada's Atlantic margin. <i>Marine and Petroleum Geology</i> , 2011, 28, 1540-1553.	1.5	21
29	Cautionary considerations for geohazard mapping with multibeam sonar: resolution and the need for the third and fourth dimensions. <i>Marine Geophysical Researches</i> , 2011, 32, 25-35.	0.5	8
30	Active deformation across the Sumatran forearc over the December 2004 Mw9.2 rupture. <i>Geology</i> , 2007, 35, 99.	2.0	40
31	Gas hydrates off Eastern Canada: Velocity models from wide-angle seismic profiles on the Scotian Slope. <i>Marine and Petroleum Geology</i> , 2007, 24, 321-335.	1.5	12
32	Lithofacies and origin of late Quaternary mass transport deposits in submarine canyons, central Scotian Slope, Canada. <i>Sedimentology</i> , 2007, 54, 19-38.	1.6	62
33	3D seismic versus multibeam sonar seafloor surface renderings for geohazard assessment: Case examples from the central Scotian Slope. <i>The Leading Edge</i> , 2006, 25, 1484-1494.	0.4	16
34	Drilling probes past carbon cycle perturbations on the Demerara Rise. <i>Eos</i> , 2004, 85, 57.	0.1	22
35	Late Quaternary deglaciation and sea-level history of eastern Juan de Fuca Strait, Cascadia. <i>Quaternary International</i> , 2004, 121, 23-39.	0.7	52
36	Near-surface geology and sediment-failure geohazards of the central Scotian Slope. <i>AAPG Bulletin</i> , 2004, 88, 703-723.	0.7	71

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37	Relationships Between Sediment Mass-Failure Modes And Magnitudes In The Evolution Of The Scotian Slope, Offshore Nova Scotia. , 2004, , .		9
38	Late Quaternary stratigraphy and seafloor geology of eastern Juan de Fuca Strait, British Columbia and Washington. Marine Geology, 2001, 177, 295-316.	0.9	24
39	Application of Concurrent Marine Electromagnetic and Marine Seismic High Resolution Profiling, British Columbia, Canada. Journal of Environmental and Engineering Geophysics, 1996, 1, 215-228.	1.0	7
40	Late Quaternary sediment, sediment mass flow processes and slope stability on the Scotian Slope, Canada. Sedimentology, 1994, 41, 1039-1061.	1.6	67
41	Evidence for Wisconsinan Glaciations in the Verrill Canyon Area, Scotian Slope. Quaternary Research, 1989, 31, 27-40.	1.0	50
42	Erosion and deposition of fine-grained sediments from the Bay of Fundy. Sedimentology, 1985, 32, 815-832.	1.6	58
43	Controls on the distribution of major types of submarine landslides. , 0, , 95-107.		7