

Mads Huuse

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121
papers

3,725
citations

33
h-index

56
g-index

129
ext. papers

4,184
ext. citations

3.4
avg, IF

5.66
L-index

#	Paper	IF	Citations
121	A regional CO2 containment assessment of the northern Utsira Formation seal and overburden, northern North Sea. <i>Basin Research</i> , 2021 , 33, 1985-2017	3.2	3
120	Cretaceous continental margin evolution revealed using quantitative seismic geomorphology, offshore northwest Africa. <i>Basin Research</i> , 2021 , 33, 66-90	3.2	7
119	Sand injection and polygonal faulting in the Great South Basin, New Zealand. <i>Geological Society Special Publication</i> , 2021 , 493, 11-28	1.7	5
118	Shallow gas and gas hydrate occurrences on the northwest Greenland shelf margin. <i>Marine Geology</i> , 2021 , 432, 106382	3.3	9
117	Seismic geomorphology and evolution of the Melville Bugt trough mouth fan, northwest Greenland. <i>Quaternary Science Reviews</i> , 2021 , 255, 106798	3.9	2
116	Seismic Characteristics of Paleo-Pockmarks in the Great South Basin, New Zealand. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	1
115	Middle to late Pleistocene palaeoceanography inferred from ridge-furrow structures on the continental slope offshore Angola. <i>Marine Geology</i> , 2021 , 439, 106562	3.3	
114	Introduction: subsurface sand remobilization and injection. <i>Geological Society Special Publication</i> , 2021 , 493, 1-10	1.7	1
113	Mass transport deposit (MTD) relief as a control on post-MTD sedimentation: Insights from the Taranaki Basin, offshore New Zealand. <i>Marine and Petroleum Geology</i> , 2020 , 120, 104489	4.7	2
112	Megaclasts within mass-transport deposits: their origin, characteristics and effect on substrates and succeeding flows. <i>Geological Society Special Publication</i> , 2020 , 500, 515-530	1.7	6
111	Slip sliding away: Enigma of large sandy blocks within a gas-bearing mass transport deposit, offshore northwestern Greenland. <i>AAPG Bulletin</i> , 2020 , 104, 1011-1043	2.5	13
110	An introduction to seismic reflection data: acquisition, processing and interpretation 2020 , 571-603		1
109	Repeated ice streaming on the northwest Greenland continental shelf since the onset of the Middle Pleistocene Transition. <i>Cryosphere</i> , 2020 , 14, 2303-2312	5.5	3
108	Eleven phases of Greenland Ice Sheet shelf-edge advance over the past 2.7 million years. <i>Nature Geoscience</i> , 2019 , 12, 361-368	18.3	24
107	The influence of base-salt relief, rift topography and regional events on salt tectonics offshore Morocco. <i>Marine and Petroleum Geology</i> , 2019 , 103, 87-113	4.7	14
106	An introduction to glaciated margins: the sedimentary and geophysical archive. <i>Geological Society Special Publication</i> , 2019 , 475, 1-8	1.7	1
105	Late Eocene onset of the Proto-Antarctic Circumpolar Current. <i>Scientific Reports</i> , 2019 , 9, 10125	4.9	13

104	The stratigraphic evolution of onlap in siliciclastic deep-water systems: Autogenic modulation of allogenic signals. <i>Journal of Sedimentary Research</i> , 2019 , 89, 890-917	2.1	13
103	Seismic imaging of complex geometry: Forward modeling of sandstone intrusions. <i>Earth and Planetary Science Letters</i> , 2019 , 513, 51-63	5.3	23
102	Deriving relationships between diapir spacing and salt-layer thickness in the Southern North Sea. <i>Geological Society Special Publication</i> , 2018 , 469, 119-137	1.7	2
101	A Persistent Norwegian Atlantic Current Through the Pleistocene Glacials. <i>Geophysical Research Letters</i> , 2018 , 45, 5599-5608	4.9	8
100	Geometry and kinematics of salt-detached ramp syncline basins. <i>Journal of Structural Geology</i> , 2018 , 115, 208-230	3	29
99	Evidence for a grounded ice sheet in the central North Sea during the early Middle Pleistocene Donian Glaciation. <i>Journal of the Geological Society</i> , 2018 , 175, 291-307	2.7	7
98	Extensive marine-terminating ice sheets in Europe from 2.5 million years ago. <i>Science Advances</i> , 2018 , 4, eaar8327	14.3	36
97	Regional distribution and controls on the development of post-rift turbidite systems: insights from the Paleocene of the eastern North Viking Graben, offshore Norway. <i>Petroleum Geology Conference Proceedings</i> , 2018 , 8, 147-170		5
96	Giant submarine landslide triggered by Paleocene mantle plume activity in the North Atlantic. <i>Geology</i> , 2018 , 46, 511-514	5	16
95	The early Quaternary North Sea Basin. <i>Journal of the Geological Society</i> , 2018 , 175, 275-290	2.7	17
94	Subsurface fluid flow in the deep-water Kwanza Basin, offshore Angola. <i>Basin Research</i> , 2017 , 29, 149-179	3.2	25
93	Silica diagenesis in Cenozoic mudstones of the North Viking Graben: physical properties and basin modelling. <i>Basin Research</i> , 2017 , 29, 556-575	3.2	10
92	Early Quaternary sedimentary processes and palaeoenvironments in the central North Sea. <i>Journal of Quaternary Science</i> , 2017 , 32, 127-144	2.3	13
91	Seafloor and buried mounds on the western slope of the Niger Delta. <i>Marine and Petroleum Geology</i> , 2017 , 83, 158-173	4.7	7
90	Geomechanical characterization of mud volcanoes using P-wave velocity datasets. <i>Geological Society Special Publication</i> , 2017 , 458, 273-292	1.7	1
89	Pockmark formation by porewater expulsion during rapid progradation in the offshore Taranaki Basin, New Zealand. <i>Marine and Petroleum Geology</i> , 2017 , 82, 399-413	4.7	19
88	Glacial geomorphology of the central Barents Sea: Implications for the dynamic deglaciation of the Barents Sea Ice Sheet. <i>Marine Geology</i> , 2017 , 387, 114-131	3.3	24
87	Iceberg scours, pits, and pockmarks in the North Falkland Basin. <i>Marine Geology</i> , 2017 , 386, 140-152	3.3	20

86	Impact of silica diagenesis on the porosity of fine-grained strata: An analysis of Cenozoic mudstones from the North Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 1537-1549	3.6	4
85	The influence of shortening and sedimentation on rejuvenation of salt diapirs: A new Discrete-Element Modelling approach. <i>Journal of Structural Geology</i> , 2017 , 104, 61-79	3	12
84	Late Cenozoic environmental changes along the Norwegian margin. <i>Marine Geology</i> , 2017 , 393, 216-244	3.3	9
83	Ice stream reorganization and glacial retreat on the northwest Greenland shelf. <i>Geophysical Research Letters</i> , 2017 , 44, 7826-7835	4.9	22
82	Kinematics of Polygonal Fault Systems: Observations from the Northern North Sea. <i>Frontiers in Earth Science</i> , 2017 , 5,	3.5	17
81	Buried iceberg scours reveal reduced North Atlantic Current during the stage 12 deglacial. <i>Nature Communications</i> , 2016 , 7, 10927	17.4	20
80	Application of outcrop analogues in successful exploration of a sand injection complex, Volund Field, Norwegian North Sea. <i>Geological Society Special Publication</i> , 2016 , 436, 75-92	1.7	7
79	Pleistocene tunnel valleys in the North Sea Basin. <i>Geological Society Memoir</i> , 2016 , 46, 207-208	0.4	3
78	Prolonged post-rift magmatism on highly extended crust of divergent continental margins (Baiyun Sag, South China Sea). <i>Earth and Planetary Science Letters</i> , 2016 , 445, 79-91	5.3	90
77	Characterizing the Paleocene turbidites of the North Sea: Maureen Formation, UK Central Graben. <i>Geological Society Special Publication</i> , 2015 , 403, 43-62	1.7	11
76	Canyon-confined pockmarks on the western Niger Delta slope. <i>Journal of African Earth Sciences</i> , 2015 , 107, 15-27	2.2	12
75	Giant fossil mass wasting off the coast of West India: The Nataraja submarine slide. <i>Earth and Planetary Science Letters</i> , 2015 , 432, 265-272	5.3	31
74	Salt on the move: Multi stage evolution of salt diapirs in the Netherlands North Sea. <i>Marine and Petroleum Geology</i> , 2015 , 61, 39-55	4.7	46
73	Seismic characterization of a Bottom Simulating Reflection (BSR) and plumbing system of the Cameroon margin, offshore West Africa. <i>Marine and Petroleum Geology</i> , 2015 , 68, 629-647	4.7	3
72	Giant middle Eocene bryozoan reef mounds in the Great Australian Bight. <i>Geology</i> , 2014 , 42, 683-686	5	8
71	Submarine volcanic mounds in the Pearl River Mouth Basin, northern South China Sea. <i>Marine Geology</i> , 2014 , 355, 162-172	3.3	52
70	Infill of tunnel valleys associated with landward-flowing ice sheets: The missing Middle Pleistocene record of the NW European rivers?. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 1-9	3.6	17
69	Gas migration below gas hydrates controlled by mass transport complexes, offshore Mauritania. <i>Marine and Petroleum Geology</i> , 2013 , 48, 366-378	4.7	15

68	3D seismic geomorphology of a large Plio-Pleistocene delta [Bright spots] and contourites in the Southern North Sea. <i>Marine and Petroleum Geology</i> , 2012 , 38, 143-157	4.7	28
67	Gas hydrate pingoes: Deep seafloor evidence of focused fluid flow on continental margins. <i>Geology</i> , 2012 , 40, 207-210	5	54
66	New evidence for the origin of the Porcupine Median Volcanic Ridge: Early Cretaceous volcanism in the Porcupine Basin, Atlantic margin of Ireland. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13, n/a-n/a	3.6	14
65	Seismic investigations of buried tunnel valleys on- and offshore Denmark. <i>Geological Society Special Publication</i> , 2012 , 368, 129-144	1.7	9
64	The glaciogenic unconformity of the southern North Sea. <i>Geological Society Special Publication</i> , 2012 , 368, 99-110	1.7	23
63	Multistage erosion and infill of buried Pleistocene tunnel valleys and associated seismic velocity effects. <i>Geological Society Special Publication</i> , 2012 , 368, 159-172	1.7	18
62	Glaciogenic reservoirs and hydrocarbon systems: an introduction. <i>Geological Society Special Publication</i> , 2012 , 368, 1-28	1.7	23
61	Characterizing the Paleocene turbidites of the North Sea: the Mey Sandstone Member, Lista Formation, UK Central Graben. <i>Petroleum Geoscience</i> , 2012 , 18, 337-354	1.9	22
60	Paleocene deep-water depositional systems in the North Sea Basin. <i>Petroleum Geoscience</i> , 2012 , 18, 97-114	1.9	9
59	Seismic volcanostratigraphy of the western Indian rifted margin: The pre-Deccan igneous province. <i>Journal of Geophysical Research</i> , 2011 , 116,		84
58	Geometry of winglike clastic intrusions adjacent to a deep-water channel complex: Implications for hydrocarbon exploration and production. <i>AAPG Bulletin</i> , 2011 , 95, 559-584	2.5	29
57	Hydrocarbon plumbing systems of salt minibasins offshore Angola revealed by three-dimensional seismic analysis. <i>AAPG Bulletin</i> , 2011 , 95, 1039-1065	2.5	37
56	Enigmatic large-scale furrows of Miocene to Pliocene age from the central North Sea: current-scoured pockmarks?. <i>Geo-Marine Letters</i> , 2011 , 31, 437-449	1.9	23
55	Bulls-eye pockmarks and polygonal faulting in the Lower Congo Basin: Relative timing and implications for fluid expulsion during shallow burial. <i>Marine Geology</i> , 2011 , 279, 111-127	3.3	85
54	An integrated 3D seismic, petrophysical and analogue core study of the Mid-Eocene Grid channel complex in the greater Nelson Field area, UK Central North Sea. <i>Petroleum Geoscience</i> , 2011 , 17, 127-142	1.9	7
53	Three-dimensional seismic characterisation of large-scale sandstone intrusions in the lower Palaeogene of the North Sea: completely injected vs. in situ remobilised sandbodies. <i>Basin Research</i> , 2010 , 22, 517-532	3.2	35
52	Subsurface sediment remobilization and fluid flow in sedimentary basins: preface. <i>Basin Research</i> , 2010 , 22, 341-341	3.2	6
51	Subsurface sediment remobilization and fluid flow in sedimentary basins: an overview. <i>Basin Research</i> , 2010 , 22, 342-360	3.2	93

50	Large-scale erosional response of SE Asia to monsoon evolution reconstructed from sedimentary records of the Song Hong-Yinggehai and Qiongdongnan basins, South China Sea. <i>Geological Society Special Publication</i> , 2010 , 342, 219-244	1.7	41
49	The ICE hypothesis stands: How the dogma of late Cenozoic tectonic uplift can no longer be sustained in the light of data and physical laws. <i>Journal of Geodynamics</i> , 2010 , 50, 102-111	2.2	30
48	Discussion of Gabrielsen et al. (2010): Latest Caledonian to Present tectonomorphological development of southern Norway. <i>Marine and Petroleum Geology</i> , 2010 , 27, 1285-1289	4.7	8
47	Thermal regime of the northwest Indian rifted margin [Comparison with predictions. <i>Marine and Petroleum Geology</i> , 2010 , 27, 1133-1147	4.7	8
46	Sediment waves with a biogenic twist in Pleistocene cool water carbonates, Great Australian Bight. <i>Marine Geology</i> , 2010 , 278, 122-139	3.3	16
45	A subsurface evacuation model for submarine slope failure. <i>Basin Research</i> , 2009 , 21, 433-443	3.2	20
44	The evolution of western Scandinavian topography: A review of Neogene uplift versus the ICE (isostasy-climate-erosion) hypothesis. <i>Journal of Geodynamics</i> , 2009 , 47, 72-95	2.2	144
43	A review of kinematic indicators from mass-transport complexes using 3D seismic data. <i>Marine and Petroleum Geology</i> , 2009 , 26, 1132-1151	4.7	281
42	A giant (5.3-107m ³) middle Miocene (c. 15Ma) sediment mound (M1) above the Siri Canyon, Norwegian-Danish Basin: Origin and significance. <i>Marine and Petroleum Geology</i> , 2009 , 26, 1640-1655	4.7	21
41	Cenozoic mud volcano activity along the Indus Fan: offshore Pakistan. <i>Basin Research</i> , 2009 , 22, 398-413	3.2	17
40	Morphology and distribution of Oligocene and Miocene pockmarks in the Danish North Sea [implications for bottom current activity and fluid migration. <i>Basin Research</i> , 2008 , 20, 445-466	3.2	71
39	The geometry and emplacement of conical sandstone intrusions. <i>Journal of Structural Geology</i> , 2008 , 30, 854-867	3	51
38	Three-dimensional seismic analysis of high-amplitude anomalies in the shallow subsurface of the Northern Indus Fan: Sedimentary and/or fluid origin. <i>Journal of Geophysical Research</i> , 2008 , 113,		12
37	Time-transgressive tunnel valley formation indicated by infill sediment structure, North Sea [the role of glaciohydraulic supercooling. <i>Earth Surface Processes and Landforms</i> , 2008 , 33, 546-559	3.7	51
36	A morphometric analysis of tunnel valleys in the eastern North Sea based on 3D seismic data. <i>Journal of Quaternary Science</i> , 2007 , 22, 801-815	2.3	87
35	Seal bypass systems. <i>AAPG Bulletin</i> , 2007 , 91, 1141-1166	2.5	287
34	Large-scale conical sandstone intrusions and polygonal fault systems in Tranche 6, Faroe-Shetland Basin. <i>Marine and Petroleum Geology</i> , 2007 , 24, 173-188	4.7	43
33	Birth of a mud volcano: East Java, 29 May 2006. <i>GSA Today</i> , 2007 , 17, 4	2.8	35

32	Giant clastic intrusions primed by silica diagenesis. <i>Geology</i> , 2006 , 34, 917	5	37
31	Extrusive sandstones (extrudites): a new class of stratigraphic trap?. <i>Geological Society Special Publication</i> , 2006 , 254, 289-300	1.7	16
30	Kilometre-scale sandstone intrusions in the Eocene of the Outer Moray Firth (UK North Sea): migration paths, reservoirs and potential drilling hazards. <i>Petroleum Geology Conference Proceedings</i> , 2005 , 6, 1577-1594		21
29	Seismic inversion for acoustic impedance and porosity of Cenozoic cool-water carbonates on the upper continental slope of the Great Australian Bight. <i>Marine Geology</i> , 2005 , 215, 123-134	3.3	33
28	3D seismic technology: the geological Hubble. <i>Basin Research</i> , 2005 , 17, 1-20	3.2	96
27	3D seismic expression of fluid migration and mud remobilization on the Gjallar Ridge, offshore mid-Norway. <i>Basin Research</i> , 2005 , 17, 123-139	3.2	61
26	Giant sandstone pipes record basin-scale liquefaction of buried dune sands in the Middle Jurassic of SE Utah. <i>Terra Nova</i> , 2005 , 17, 80-85	3	31
25	Numerical modelling of thrust structures in unconsolidated sediments: implications for glaciotectonic deformation. <i>Journal of Structural Geology</i> , 2005 , 27, 587-596	3	29
24	Sand injectites: an emerging global play in deep-water clastic environments. <i>Petroleum Geology Conference Proceedings</i> , 2005 , 6, 133-144		39
23	Seismic Characteristics of Large-Scale Sandstone Intrusions in the Paleogene of the South Viking Graben, UK and Norwegian North Sea. <i>Geological Society Memoir</i> , 2004 , 29, 263-278	0.4	35
22	3D Seismic Analysis Reveals the Origin of Ambiguous Erosional Features at a Major Sequence Boundary in the Eastern North Sea: near Top Oligocene. <i>Geological Society Memoir</i> , 2004 , 29, 83-90	0.4	6
21	Eocene sandstone intrusions in the Tampen Spur area (Norwegian North Sea Quad 34) imaged by 3D seismic data. <i>Marine and Petroleum Geology</i> , 2004 , 21, 141-155	4.7	70
20	Significance of large-scale sand injectites as long-term fluid conduits: evidence from seismic data. <i>Geofluids</i> , 2003 , 3, 263-274	1.5	61
19	Sandstone intrusions: detection and significance for exploration and production. <i>First Break</i> , 2003 , 21,	0.5	19
18	Mid-Palaeocene palaeogeography of the eastern North Sea basin: integrating geological evidence and 3D geodynamic modelling. <i>Basin Research</i> , 2002 , 14, 329-346	3.2	20
17	Reply to comment of P. Japsen et al. on "Cenozoic evolution of the eastern Danish North Sea" <i>Marine Geology</i> , 2002 , 186, 577-581	3.3	3
16	Cenozoic uplift and denudation of southern Norway: insights from the North Sea Basin. <i>Geological Society Special Publication</i> , 2002 , 196, 209-233	1.7	23
15	Paleocene initiation of Cenozoic uplift in Norway. <i>Geological Society Special Publication</i> , 2002 , 196, 45-65	1.7	15

14	Post-mid-Cretaceous eastern North Sea evolution inferred from 3D thermo-mechanical modelling. <i>Tectonophysics</i> , 2002 , 350, 315-342	3.1	23
13	Late Cenozoic palaeogeography of the eastern North Sea Basin: climatic vs tectonic forcing of basin margin uplift and deltaic progradation. <i>Bulletin of the Geological Society of Denmark</i> , 2002 , 49, 145-170	1	35
12	Sand Diapiric Structures and Poly-Phase Sand Remobilisation in the Santa Cruz Area, Central Coastal California 2002 ,		3
11	Unusual Facies and Geometries of the Paleogene Deep-Water Systems in the North Sea - Effects of Sand Remobilisation 2002 ,		2
10	Morphology and origin of major Cenozoic sequence boundaries in the eastern North Sea Basin: top Eocene, near-top Oligocene and the mid-Miocene unconformity. <i>Basin Research</i> , 2001 , 13, 17-41	3.2	54
9	Cenozoic evolution of the eastern Danish North Sea. <i>Marine Geology</i> , 2001 , 177, 243-269	3.3	64
8	Seismic Expression of Large-Scale Sand Remobilisation and Injection in Paleogene Reservoirs of the North Sea Basin and Beyonds 2001 ,		6
7	Large-scale glaciotectionic thrust structures in the eastern Danish North Sea. <i>Geological Society Special Publication</i> , 2000 , 176, 293-305	1.7	12
6	Overdeepened Quaternary valleys in the eastern Danish North Sea: morphology and origin. <i>Quaternary Science Reviews</i> , 2000 , 19, 1233-1253	3.9	211
5	Geological indications for Palaeogene uplift in the eastern North Sea Basin. <i>Global and Planetary Change</i> , 2000 , 24, 175-187	4.2	24
4	Detailed morphology of the Top Chalk surface in the eastern Danish North Sea. <i>Petroleum Geoscience</i> , 1999 , 5, 303-314	1.9	32
3	Topography of the Top Chalk surface on- and offshore Denmark. <i>Marine and Petroleum Geology</i> , 1999 , 16, 677-691	4.7	38
2	Geohazard detection using 3D seismic data to enhance offshore scientific drilling site selection. <i>Scientific Drilling</i> , 28, 1-27		7
1	Tunnel valley infill and genesis revealed by high-resolution 3-D seismic data. <i>Geology</i> ,	5	1