

Mads Huuse

List of Publications by Year in descending order

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126
papers

4,720
citations

109137

35
h-index

118652

62
g-index

129
all docs

129
docs citations

129
times ranked

2919
citing authors

#	ARTICLE	IF	CITATIONS
1	Seal bypass systems. AAPG Bulletin, 2007, 91, 1141-1166.	0.7	352
2	A review of kinematic indicators from mass-transport complexes using 3D seismic data. Marine and Petroleum Geology, 2009, 26, 1132-1151.	1.5	344
3	Overdeepened Quaternary valleys in the eastern Danish North Sea: morphology and origin. Quaternary Science Reviews, 2000, 19, 1233-1253.	1.4	249
4	The evolution of western Scandinavian topography: A review of Neogene uplift versus the ICE (isostasyâ€“climateâ€“erosion) hypothesis. Journal of Geodynamics, 2009, 47, 72-95.	0.7	167
5	Subsurface sediment remobilization and fluid flow in sedimentary basins: an overview. Basin Research, 2010, 22, 342-360.	1.3	124
6	Prolonged post-rift magmatism on highly extended crust of divergent continental margins (Baiyun) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	120
7	3D seismic technology: the geological 'Hubble'. Basin Research, 2005, 17, 1-20.	1.3	114
8	â€“Bulls-eyeâ€™ pockmarks and polygonal faulting in the Lower Congo Basin: Relative timing and implications for fluid expulsion during shallow burial. Marine Geology, 2011, 279, 111-127.	0.9	103
9	Seismic volcanostratigraphy of the western Indian rifted margin: The pre-Deccan igneous province. Journal of Geophysical Research, 2011, 116, .	3.3	99
10	A morphometric analysis of tunnel valleys in the eastern North Sea based on 3D seismic data. Journal of Quaternary Science, 2007, 22, 801-815.	1.1	98
11	Morphology and distribution of Oligocene and Miocene pockmarks in the Danish North Sea â€“ implications for bottom current activity and fluid migration. Basin Research, 2008, 20, 445-466.	1.3	88
12	Eocene sandstone intrusions in the Tampen Spur area (Norwegian North Sea Quad 34) imaged by 3D seismic data. Marine and Petroleum Geology, 2004, 21, 141-155.	1.5	78
13	Cenozoic evolution of the eastern Danish North Sea. Marine Geology, 2001, 177, 243-269.	0.9	74
14	Salt on the move: Multi stage evolution of salt diapirs in the Netherlands North Sea. Marine and Petroleum Geology, 2015, 61, 39-55.	1.5	73
15	Significance of large-scale sand injectites as long-term fluid conduits: evidence from seismic data. Geofluids, 2003, 3, 263-274.	0.3	72
16	3D seismic expression of fluid migration and mud remobilization on the Gjallar Ridge, offshore mid-Norway. Basin Research, 2005, 17, 123-139.	1.3	68
17	Gas hydrate pingoes: Deep seafloor evidence of focused fluid flow on continental margins. Geology, 2012, 40, 207-210.	2.0	66
18	Submarine volcanic mounds in the Pearl River Mouth Basin, northern South China Sea. Marine Geology, 2014, 355, 162-172.	0.9	64

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19	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.	1.3	63
20	Time- <i>transgressive</i> 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.	1.2	57
21	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.	0.8	55
22	The geometry and emplacement of conical sandstone intrusions. <i>Journal of Structural Geology</i> , 2008, 30, 854-867.	1.0	53
23	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.	1.5	50
24	Sand injectites: an emerging global play in deep-water clastic environments. <i>Petroleum Geology Conference Proceedings</i> , 2005, 6, 133-144.	0.7	49
25	Giant clastic intrusions primed by silica diagenesis. <i>Geology</i> , 2006, 34, 917.	2.0	48
26	Three-dimensional seismic characterisation of large-scale sandstone intrusions in the lower Palaeogene of the North Sea: completely injected vs. <i>in situ</i> remobilised sandbodies. <i>Basin Research</i> , 2010, 22, 517-532.	1.3	47
27	Birth of a mud volcano: East Java, 29 May 2006. <i>GSA Today</i> , 2007, 17, 4.	1.1	47
28	Extensive marine-terminating ice sheets in Europe from 2.5 million years ago. <i>Science Advances</i> , 2018, 4, eaar8327.	4.7	45
29	Topography of the Top Chalk surface on- and offshore Denmark. <i>Marine and Petroleum Geology</i> , 1999, 16, 677-691.	1.5	43
30	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.	0.9	43
31	Hydrocarbon plumbing systems of salt minibasins offshore Angola revealed by three-dimensional seismic analysis. <i>AAPG Bulletin</i> , 2011, 95, 1039-1065.	0.7	43
32	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.	0.9	41
33	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.	0.9	39
34	Geometry and kinematics of salt-detached ramp syncline basins. <i>Journal of Structural Geology</i> , 2018, 115, 208-230.	1.0	39
35	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.	1.1	39
36	Detailed morphology of the Top Chalk surface in the eastern Danish North Sea. <i>Petroleum Geoscience</i> , 1999, 5, 303-314.	0.9	37

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37	The glaciogenic unconformity of the southern North Sea. Geological Society Special Publication, 2012, 368, 99-110.	0.8	36
38	Glacial geomorphology of the central Barents Sea: Implications for the dynamic deglaciation of the Barents Sea Ice Sheet. Marine Geology, 2017, 387, 114-131.	0.9	36
39	Eleven phases of Greenland Ice Sheet shelf-edge advance over the past 2.7 million years. Nature Geoscience, 2019, 12, 361-368.	5.4	36
40	Numerical modelling of thrust structures in unconsolidated sediments: implications for glaciotectonic deformation. Journal of Structural Geology, 2005, 27, 587-596.	1.0	35
41	Giant fossil mass wasting off the coast of West India: The Nataraja submarine slide. Earth and Planetary Science Letters, 2015, 432, 265-272.	1.8	35
42	Subsurface fluid flow in the deep-water Kwanza Basin, offshore Angola. Basin Research, 2017, 29, 149-179.	1.3	35
43	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. Journal of Geodynamics, 2010, 50, 102-111.	0.7	32
44	Geometry of winglike clastic intrusions adjacent to a deep-water channel complex: Implications for hydrocarbon exploration and production. AAPG Bulletin, 2011, 95, 559-584.	0.7	32
45	Glaciogenic reservoirs and hydrocarbon systems: an introduction. Geological Society Special Publication, 2012, 368, 1-28.	0.8	32
46	Kinematics of Polygonal Fault Systems: Observations from the Northern North Sea. Frontiers in Earth Science, 2017, 5, .	0.8	32
47	Seismic imaging of complex geometry: Forward modeling of sandstone intrusions. Earth and Planetary Science Letters, 2019, 513, 51-63.	1.8	32
48	Geological indications for Palaeogene uplift in the eastern North Sea Basin. Global and Planetary Change, 2000, 24, 175-187.	1.6	31
49	3D seismic geomorphology of a large Plio-Pleistocene delta "Bright spots" and contourites in the Southern North Sea. Marine and Petroleum Geology, 2012, 38, 143-157.	1.5	30
50	Cenozoic uplift and denudation of southern Norway: insights from the North Sea Basin. Geological Society Special Publication, 2002, 196, 209-233.	0.8	29
51	Ice stream reorganization and glacial retreat on the northwest Greenland shelf. Geophysical Research Letters, 2017, 44, 7826-7835.	1.5	29
52	Kilometre-scale sandstone intrusions in the Eocene of the Outer Moray Firth (UK North Sea): migration paths, reservoirs and potential drilling hazards. Petroleum Geology Conference Proceedings, 2005, 6, 1577-1594.	0.7	28
53	Iceberg scours, pits, and pockmarks in the North Falkland Basin. Marine Geology, 2017, 386, 140-152.	0.9	28
54	A subsurface evacuation model for submarine slope failure. Basin Research, 2009, 21, 433-443.	1.3	27

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55	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.	0.5	27
56	The early Quaternary North Sea Basin. <i>Journal of the Geological Society</i> , 2018, 175, 275-290.	0.9	27
57	Multistage erosion and infill of buried Pleistocene tunnel valleys and associated seismic velocity effects. <i>Geological Society Special Publication</i> , 2012, 368, 159-172.	0.8	26
58	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.	0.9	25
59	Buried iceberg scours reveal reduced North Atlantic Current during the stage 12 deglacial. <i>Nature Communications</i> , 2016, 7, 10927.	5.8	25
60	Sandstone intrusions: detection and significance for exploration and production. <i>First Break</i> , 2003, 21, .	0.2	25
61	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.	1.0	24
62	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.	1.5	24
63	Paleocene initiation of Cenozoic uplift in Norway. <i>Geological Society Special Publication</i> , 2002, 196, 45-65.	0.8	23
64	Post-mid-Cretaceous eastern North Sea evolution inferred from 3D thermo-mechanical modelling. <i>Tectonophysics</i> , 2002, 350, 315-342.	0.9	23
65	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.	1.5	23
66	Giant submarine landslide triggered by Paleocene mantle plume activity in the North Atlantic. <i>Geology</i> , 2018, 46, 511-514.	2.0	23
67	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.	0.8	23
68	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.	1.5	23
69	Mid-Palaeocene palaeogeography of the eastern North Sea basin: integrating geological evidence and 3D geodynamic modelling. <i>Basin Research</i> , 2002, 14, 329-346.	1.3	22
70	Canyon-confined pockmarks on the western Niger Delta slope. <i>Journal of African Earth Sciences</i> , 2015, 107, 15-27.	0.9	22
71	Late Eocene onset of the Proto-Antarctic Circumpolar Current. <i>Scientific Reports</i> , 2019, 9, 10125.	1.6	21
72	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, .	1.0	20

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73	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.	1.0	20
74	Large-scale glaciotectonic thrust structures in the eastern Danish North Sea. <i>Geological Society Special Publication</i> , 2000, 176, 293-305.	0.8	19
75	Cenozoic mud volcano activity along the Indus Fan: offshore Pakistan. <i>Basin Research</i> , 2010, 22, 398-413.	1.3	19
76	Sediment waves with a biogenic twist in Pleistocene cool water carbonates, Great Australian Bight. <i>Marine Geology</i> , 2010, 278, 122-139.	0.9	19
77	Shallow gas and gas hydrate occurrences on the northwest Greenland shelf margin. <i>Marine Geology</i> , 2021, 432, 106382.	0.9	19
78	Extrusive sandstones (extrudites): a new class of stratigraphic trap?. <i>Geological Society Special Publication</i> , 2006, 254, 289-300.	0.8	18
79	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, .	3.3	17
80	Gas migration below gas hydrates controlled by mass transport complexes, offshore Mauritania. <i>Marine and Petroleum Geology</i> , 2013, 48, 366-378.	1.5	17
81	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.	0.7	17
82	A Persistent Norwegian Atlantic Current Through the Pleistocene Glacials. <i>Geophysical Research Letters</i> , 2018, 45, 5599-5608.	1.5	16
83	Silica diagenesis in Cenozoic mudstones of the North Viking Graben: physical properties and basin modelling. <i>Basin Research</i> , 2017, 29, 556-575.	1.3	15
84	Early Quaternary sedimentary processes and palaeoenvironments in the central North Sea. <i>Journal of Quaternary Science</i> , 2017, 32, 127-144.	1.1	15
85	Late Cenozoic environmental changes along the Norwegian margin. <i>Marine Geology</i> , 2017, 393, 216-244.	0.9	14
86	Tunnel valley infill and genesis revealed by high-resolution 3-D seismic data. <i>Geology</i> , 2021, 49, 1516-1520.	2.0	14
87	Giant middle Eocene bryozoan reef mounds in the Great Australian Bight. <i>Geology</i> , 2014, 42, 683-686.	2.0	13
88	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.	1.5	13
89	Seismic investigations of buried tunnel valleys on- and offshore Denmark. <i>Geological Society Special Publication</i> , 2012, 368, 129-144.	0.8	12
90	Characterizing the Paleocene turbidites of the North Sea: Maureen Formation, UK Central Graben. <i>Geological Society Special Publication</i> , 2015, 403, 43-62.	0.8	12

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91	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.	0.8	12
92	Cretaceous continental margin evolution revealed using quantitative seismic geomorphology, offshore northwest Africa. <i>Basin Research</i> , 2021, 33, 66-90.	1.3	12
93	Paleocene deep-water depositional systems in the North Sea Basin. <i>Petroleum Geoscience</i> , 2012, 18, 97-114.	0.9	11
94	Seafloor and buried mounds on the western slope of the Niger Delta. <i>Marine and Petroleum Geology</i> , 2017, 83, 158-173.	1.5	11
95	An introduction to seismic reflection data: acquisition, processing and interpretation. , 2020, , 571-603.		11
96	A regional CO ₂ containment assessment of the northern Utsira Formation seal and overburden, northern North Sea. <i>Basin Research</i> , 2021, 33, 1985-2017.	1.3	11
97	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.	1.5	10
98	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.	1.5	10
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.	0.9	10
100	Geohazard detection using 3D seismic data to enhance offshore scientific drilling site selection. <i>Scientific Drilling</i> , 0, 28, 1-27.	1.0	10
101	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.	0.8	9
102	Thermal regime of the northwest Indian rifted margin – Comparison with predictions. <i>Marine and Petroleum Geology</i> , 2010, 27, 1133-1147.	1.5	8
103	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.	0.9	8
104	Subsurface sediment remobilization and fluid flow in sedimentary basins: preface. <i>Basin Research</i> , 2010, 22, 341-341.	1.3	7
105	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.	0.9	6
106	Pleistocene tunnel valleys in the North Sea Basin. <i>Geological Society Memoir</i> , 2016, 46, 207-208.	0.9	6
107	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.	1.0	6
108	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.	0.7	6

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109	Seismic Expression of Large-Scale Sand Remobilisation and Injection in Paleogene Reservoirs of the North Sea Basin and Beyonds. , 2001, , .		6
110	Sand injection and polygonal faulting in the Great South Basin, New Zealand. Geological Society Special Publication, 2021, 493, 11-28.	0.8	5
111	Seismic geomorphology and evolution of the Melville Bugt trough mouth fan, northwest Greenland. Quaternary Science Reviews, 2021, 255, 106798.	1.4	5
112	Seismic Characteristics of Paleo-Pockmarks in the Great South Basin, New Zealand. Frontiers in Earth Science, 2021, 9, .	0.8	5
113	Repeated ice streaming on the northwest Greenland continental shelf since the onset of the Middle Pleistocene Transition. Cryosphere, 2020, 14, 2303-2312.	1.5	5
114	Regional Exploration and Characterisation of CO2 Storage Prospects in the Utsira-Skade Aquifer, North Viking Graben, North Sea. Earth Science, Systems and Society, 0, 1, .	0.0	5
115	Reply to comment of P. Japsen et al. on "Cenozoic evolution of the eastern Danish North Sea" Marine Geology, 2002, 186, 577-581.	0.9	3
116	Deriving relationships between diapir spacing and salt-layer thickness in the Southern North Sea. Geological Society Special Publication, 2018, 469, 119-137.	0.8	3
117	An introduction to glaciated margins: the sedimentary and geophysical archive. Geological Society Special Publication, 2019, 475, 1-8.	0.8	3
118	Reflection seismic thermometry. Basin Research, 2022, 34, 3-24.	1.3	3
119	Sand Diapiric Structures and Poly-Phase Sand Remobilisation in the Santa Cruz Area, Central Coastal California. , 2002, , .		3
120	Middle to late Pleistocene palaeoceanography inferred from ridge-furrow structures on the continental slope offshore Angola. Marine Geology, 2021, 439, 106562.	0.9	2
121	Introduction: subsurface sand remobilization and injection. Geological Society Special Publication, 2021, 493, 1-10.	0.8	2
122	Unusual Facies and Geometries of the Paleogene Deep-Water Systems in the North Sea - Effects of Sand Remobilisation. , 2002, , .		2
123	Geomechanical characterization of mud volcanoes using P-wave velocity datasets. Geological Society Special Publication, 2017, 458, 273-292.	0.8	1
124	Tectonic Evolution and Hydrocarbon Prospectivity of East Coast Basin, Offshore Hawke Bay, New Zealand. , 2018, , .		1
125	The Glaciogenic Reservoir Analogue Studies Project (GRASP) - An Integrated Approach to Unravel Genesis, Infill and Architecture of Tunnel Valleys Reservoirs. , 2012, , .		1
126	Basin-scale 3D Seismic Imaging of Quaternary Reservoirs and Glacially Dominated Palaeo-environments in the Northern North Sea. , 2012, , .		1