

Nick Schofield

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,361
citations

516710

16
h-index

395702

33
g-index

42
all docs

42
docs citations

42
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Lateral magma flow in mafic sill complexes. , 2016, 12, 809-841.		209
2	Regional magma plumbing and emplacement mechanisms of the Faroe-Shetland Sill Complex: implications for magma transport and petroleum systems within sedimentary basins. Basin Research, 2017, 29, 41-63.	2.7	163
3	Magma Plumbing Systems: A Geophysical Perspective. Journal of Petrology, 2018, 59, 1217-1251.	2.8	134
4	The potential role of igneous intrusions on hydrocarbon migration, West of Shetland. Petroleum Geoscience, 2013, 19, 259-272.	1.5	112
5	Magma fingers and host rock fluidization in the emplacement of sills. Geology, 2010, 38, 63-66.	4.4	102
6	Seismic imaging of "broken bridges": linking seismic to outcrop-scale investigations of intrusive magma lobes. Journal of the Geological Society, 2012, 169, 421-426.	2.1	91
7	Basin-scale architecture of deeply emplaced sill complexes: Jameson Land, East Greenland. Journal of the Geological Society, 2017, 174, 23-40.	2.1	64
8	Development of intra-basaltic lava-field drainage systems within the Faroe-Shetland Basin. Petroleum Geoscience, 2013, 19, 273-288.	1.5	60
9	The architecture of submarine monogenetic volcanoes " insights from 3D seismic data. Basin Research, 2018, 30, 437-451.	2.7	50
10	3D seismic imaging of the shallow plumbing system beneath the Ben Nevis Monogenetic Volcanic Field: Faroe-Shetland Basin. Journal of the Geological Society, 2017, 174, 468-485.	2.1	36
11	Subsurface fluid flow focused by buried volcanoes in sedimentary basins: Evidence from 3D seismic data, Bass Basin, offshore southeastern Australia. Interpretation, 2017, 5, SK39-SK50.	1.1	32
12	Mafic intrusions, hydrothermal venting, and the basalt-sediment transition: Linking onshore and offshore examples from the North Atlantic igneous province. Interpretation, 2017, 5, SK83-SK101.	1.1	29
13	Stratigraphic overview of Palaeogene tuffs in the Faroe-Shetland Basin, NE Atlantic Margin. Journal of the Geological Society, 2017, 174, 627-645.	2.1	28
14	Controls on the distribution of volcanism and intra-basaltic sediments in the Cambo-Rosebank region, West of Shetland. Petroleum Geoscience, 2019, 25, 71-89.	1.5	28
15	The Rattray Volcanics: Mid-Jurassic fissure volcanism in the UK Central North Sea. Journal of the Geological Society, 2019, 176, 462-481.	2.1	26
16	Overthickening of sedimentary sequences by igneous intrusions. Journal of the Geological Society, 2019, 176, 46-60.	2.1	22
17	Challenges of future exploration within the UK Rockall Basin. Petroleum Geology Conference Proceedings, 2018, 8, 211-229.	0.7	20
18	Inside the volcano: Three-dimensional magmatic architecture of a buried shield volcano. Geology, 2021, 49, 243-247.	4.4	19

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19	Stratigraphy of volcanic rock successions of the North Atlantic rifted margin: the offshore record of the Faroe–Shetland and Rockall basins. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2021, 112, 61-88.	0.3	19
20	Overpressure transmission through interconnected igneous intrusions. <i>AAPG Bulletin</i> , 2020, 104, 285-303.	1.5	17
21	Modeling petroleum expulsion in sedimentary basins: The importance of igneous intrusion timing and basement composition. <i>Geology</i> , 2019, 47, 904-908.	4.4	15
22	Prolonged dynamic support from the Icelandic plume of the NE Atlantic margin. <i>Journal of the Geological Society</i> , 2018, 175, 396-410.	2.1	12
23	Linking surface and subsurface volcanic stratigraphy in the Turkana Depression of the East African Rift system. <i>Journal of the Geological Society</i> , 2021, 178, .	2.1	12
24	Lateral Magma Flow in Mafic Sill complexes. <i>Acta Geologica Sinica</i> , 2016, 90, 4-5.	1.4	10
25	Paleogene volcanic rocks in the northern Faroe–Shetland Basin and Møre Marginal High: understanding lava field stratigraphy. <i>Geological Society Special Publication</i> , 2022, 495, 199-235.	1.3	7
26	UK Rockall prospectivity: re-awakening exploration in a frontier basin. <i>Petroleum Geoscience</i> , 2020, 26, 247-271.	1.5	7
27	Emplacement of the Little Minch Sill Complex, Sea of Hebrides Basin, NW Scotland. <i>Journal of the Geological Society</i> , 2021, 178, .	2.1	6
28	Raiders of the Lost Mud: the geology behind drilling incidents within the Balder Formation around the Corona Ridge, West of Shetland. <i>Petroleum Geoscience</i> , 2020, 26, 110-125.	1.5	5
29	Palaeogeographical evolution of the Rattray Volcanic Province, Central North Sea. <i>Journal of the Geological Society</i> , 2020, 177, 718-737.	2.1	5
30	Geology and petroleum prospectivity of the Larne and Portpatrick basins, North Channel, offshore SW Scotland and Northern Ireland. <i>Petroleum Geoscience</i> , 2020, 26, 272-302.	1.5	5
31	The spatial distribution of igneous centres along the Norwegian Atlantic Margin (Møre and Vøring) and their relationship to magmatic plumbing systems. <i>Journal of the Geological Society</i> , 2021, 178, .	2.1	4
32	Transport of mafic magma through the crust and sedimentary basins: Jameson Land, East Greenland. <i>Journal of the Geological Society</i> , 2022, 179, .	2.1	4
33	Geology and petroleum prospectivity of the Sea of Hebrides Basin and Minch Basin, offshore NW Scotland. <i>Petroleum Geoscience</i> , 2021, 27, .	1.5	3
34	Paleogene drainage system evolution in the NE Faroe–Shetland Basin. <i>Journal of the Geological Society</i> , 2022, 179, .	2.1	3
35	Reply to discussion on “Palaeogeographical evolution of the Rattray Volcanic Province, Central North Sea”, by Curie et al. 2020 (<i>JGS</i> , 177, 718–737). <i>Journal of the Geological Society</i> , 2021, 178, jgs2021-011.	2.1	0
36	Hot Rocks in Cold Basins—A Guide for Petroleum Explorers in Regions Containing Intrusive and Extrusive Igneous Rocks. , 2015, , .		0

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37	Application of a probability model to detect unrecognised igneous intrusions in sedimentary basins. , 2022, 62, S426-S430.		0