

John R Underhill

List of Publications by Year in descending order

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55
papers

2,132
citations

236833

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docs citations

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times ranked

1589
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlating deformation events onshore and offshore in superimposed rift basins: The Lossiemouth Fault Zone, Inner Moray Firth Basin, Scotland. <i>Basin Research</i> , 2022, 34, 1314-1340.	1.3	8
2	The impact of heterogeneous salt velocity models on the gross rock volume estimation: an example from the Santos Basin pre-salt, Brazil. <i>Petroleum Geoscience</i> , 2021, 27, .	0.9	2
3	The evolution of the Dowsing Graben System: implications for petroleum prospectivity in the UK Southern North Sea. <i>Petroleum Geoscience</i> , 2021, 27, .	0.9	4
4	Ammonite occurrences in North Sea cores: implications for Jurassic Arcticâ€“Mediterranean marine seaway connectivity. <i>Scottish Journal of Geology</i> , 2020, 56, 175-195.	0.1	9
5	Structural and stratigraphic evolution of the Mid North Sea High region of the UK Continental Shelf. <i>Petroleum Geoscience</i> , 2020, 26, 154-173.	0.9	10
6	The role of relay ramp evolution in governing sediment dispersal and petroleum prospectivity of syn-rift stratigraphic plays in the Northern North Sea. <i>Petroleum Geoscience</i> , 2020, 26, 232-246.	0.9	12
7	Sedimentary and tectonic controls on Lower Carboniferous (Visean) mixed carbonateâ€“siliciclastic deposition in NE England and the Southern North Sea: implications for reservoir architecture. <i>Petroleum Geoscience</i> , 2020, 26, 204-231.	0.9	13
8	UK Rockall prospectivity: re-awakening exploration in a frontier basin. <i>Petroleum Geoscience</i> , 2020, 26, 247-271.	0.9	7
9	Palaeogeographical evolution of the Rattray Volcanic Province, Central North Sea. <i>Journal of the Geological Society</i> , 2020, 177, 718-737.	0.9	5
10	Structural constraints on Lower Carboniferous shale gas exploration in the Craven Basin, NW England. <i>Petroleum Geoscience</i> , 2020, 26, 303-324.	0.9	14
11	Structural evolution of the Breagh area: implications for carboniferous prospectivity of the Mid North Sea High, Southern North Sea. <i>Petroleum Geoscience</i> , 2020, 26, 174-203.	0.9	7
12	The Weaklaw Vent, SE Scotland: Metasomatism of eruptive products by carbo-hydro-fluids of probable mantle origin. <i>Mineralogical Magazine</i> , 2019, 83, 855-867.	0.6	1
13	Archibald Geikie's role in the establishment of the Scottish oil shale industry. <i>Geological Society Special Publication</i> , 2019, 480, 379-399.	0.8	1
14	The Rattray Volcanics: Mid-Jurassic fissure volcanism in the UK Central North Sea. <i>Journal of the Geological Society</i> , 2019, 176, 462-481.	0.9	26
15	Upper Permian Zechstein Supergroup carbonate-evaporite platform palaeomorphology in the UK Southern North Sea. <i>Marine and Petroleum Geology</i> , 2019, 100, 484-518.	1.5	30
16	Implications of Early Cenozoic uplift and fault reactivation for carbon storage in the Moray Firth Basin. <i>Interpretation</i> , 2017, 5, SS1-SS21.	0.5	11
17	Role of rift transection and punctuated subsidence in the development of the North Falkland Basin. <i>Petroleum Geoscience</i> , 2015, 21, 85-110.	0.9	30
18	Mobilizing salt: Magma-salt interactions. <i>Geology</i> , 2014, 42, 599-602.	2.0	55

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19	Comment on "Crustal structure of the British Isles and its epeirogenic consequences" by M.W. Davis, N.J. White, K.F. Priestley, B.J. Baptie and F.J. Tilmann. <i>Geophysical Journal International</i> , 2013, 194, 678-679.	1.0	5
20	Role of halokinesis in controlling structural styles and sediment dispersal in the Santos Basin, offshore Brazil. <i>Geological Society Special Publication</i> , 2012, 363, 175-206.	0.8	34
21	Structural and stratigraphic evolution of the Connemara discovery, Northern Porcupine Basin: significance for basin development and petroleum prospectivity along the Irish Atlantic Margin. <i>Petroleum Geoscience</i> , 2011, 17, 365-384.	0.9	10
22	The role of stratigraphic juxtaposition for seal integrity in proven CO ₂ fault-bound traps of the Southern North Sea. <i>Petroleum Geoscience</i> , 2011, 17, 193-203.	0.9	25
23	Reply to discussion on "Multiple post-Caledonian exhumation episodes across NW Scotland revealed by apatite fission-track analysis". <i>Journal of the Geological Society</i> , 2011, 168, 1226-1228.	0.9	1
24	Geological controls on Upper Permian Plattendolomit Formation reservoir prospectivity, Wissey Field, UK Southern North Sea. <i>Petroleum Geoscience</i> , 2010, 16, 331-348.	0.9	15
25	Multiple post-Caledonian exhumation episodes across NW Scotland revealed by apatite fission-track analysis. <i>Journal of the Geological Society</i> , 2010, 167, 675-694.	0.9	48
26	Relocating Odysseus' homeland. <i>Nature Geoscience</i> , 2009, 2, 455-458.	5.4	5
27	Turning exploration risk into a carbon storage opportunity in the UK Southern North Sea. <i>Petroleum Geoscience</i> , 2009, 15, 291-304.	0.9	20
28	Role of intrusion-induced salt mobility in controlling the formation of the enigmatic "Silverpit Crater", UK Southern North Sea. <i>Petroleum Geoscience</i> , 2009, 15, 197-216.	0.9	37
29	Geophysics in the Search for Homer's Ithaca. , 2009, , .		0
30	Structural styles and depositional architecture in the Triassic of the Ninian and Alwyn North fields: Implications for basin development and prospectivity in the Northern North Sea. <i>Marine and Petroleum Geology</i> , 2008, 25, 588-605.	1.5	33
31	Controls on structural styles, basin development and petroleum prospectivity in the Midland Valley of Scotland. <i>Marine and Petroleum Geology</i> , 2008, 25, 1000-1022.	1.5	45
32	Cenozoic exhumation of the southern British Isles. <i>Geology</i> , 2008, 36, 371.	2.0	86
33	Effect of Zechstein Supergroup (Z1 cycle) Werraalut pods on prospectivity in the southern North Sea. <i>AAPG Bulletin</i> , 2008, 92, 827-851.	0.7	11
34	Applicability of thin or thick skinned structural models in a region of multiple inversion episodes; southern South Africa. <i>Journal of Structural Geology</i> , 2006, 28, 1933-1947.	1.0	52
35	The role of evaporite mobility in modifying subsidence patterns during normal fault growth and linkage, Halten Terrace, Mid-Norway. <i>Basin Research</i> , 2005, 17, 203-223.	1.3	51
36	Spatio-temporal evolution of strain accumulation derived from multi-scale observations of Late Jurassic rifting in the northern North Sea: A critical test of models for lithospheric extension. <i>Earth and Planetary Science Letters</i> , 2005, 234, 401-419.	1.8	129

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37	Role of crustal anisotropy in modifying the structural and sedimentological evolution of extensional basins: the Gamtoos Basin, South Africa. <i>Basin Research</i> , 2004, 16, 339-359.	1.3	56
38	An alternative origin for the "Silverpit crater". <i>Nature</i> , 2004, 428, 1-2.	13.7	25
39	The tectonic and stratigraphic framework of the United Kingdom's oil and gas fields. <i>Geological Society Memoir</i> , 2003, 20, 17-59.	0.9	21
40	Controls on the structural architecture and sedimentary character of syn-rift sequences, North Falkland Basin, South Atlantic. <i>Marine and Petroleum Geology</i> , 2002, 19, 417-443.	1.5	27
41	The biostratigraphic calibration of the Scottish and Outer Moray Firth Upper Jurassic successions: a new basis for the correlation of Late Oxfordian-Early Kimmeridgian Humber Group reservoirs in the North Sea Basin. <i>Marine and Petroleum Geology</i> , 2002, 19, 541-562.	1.5	17
42	Reply by the authors to the discussion by Roy E. White and Rob Simm. <i>Geophysics</i> , 1999, 64, 640-649.	1.4	0
43	Genesis of tectonic inversion structures: seismic evidence for the development of key structures along the Purbeck-Isle of Wight Disturbance. <i>Journal of the Geological Society</i> , 1998, 155, 975-992.	0.9	109
44	Sedimentary response to intra-arc extension: controls on Oligo-Miocene deposition, Sarcidano sub-basin, Sardinia. <i>Journal of the Geological Society</i> , 1998, 155, 491-508.	0.9	28
45	Introduction to the development, evolution and petroleum geology of the Wessex Basin. <i>Geological Society Special Publication</i> , 1998, 133, 1-18.	0.8	64
46	A mechanism to explain rift-basin subsidence and stratigraphic patterns through fault-array evolution. <i>Geology</i> , 1998, 26, 595.	2.0	235
47	Wavelets, well ties, and the search for subtle stratigraphic traps. <i>Geophysics</i> , 1998, 63, 297-313.	1.4	26
48	Linked sequence stratigraphic and structural evolution of propagating normal faults. <i>Geology</i> , 1997, 25, 795.	2.0	222
49	A re-evaluation of Middle and Upper Jurassic stratigraphy and the flooding history of the Moray Firth Rift System, North Sea. <i>Geological Society Special Publication</i> , 1996, 114, 81-108.	0.8	14
50	The Clair Discovery, west of the Shetland Isles. <i>Scottish Journal of Geology</i> , 1995, 31, 187-190.	0.1	2
51	Implications of Mesozoic-Recent basin development in the western Inner Moray Firth, UK. <i>Marine and Petroleum Geology</i> , 1991, 8, 359-369.	1.5	111
52	Controls on Late Jurassic seismic sequences, Inner Moray Firth, UK North Sea: a critical test of a key segment of Exxon's original global cycle chart. <i>Basin Research</i> , 1991, 3, 79-98.	1.3	84
53	Swaley cross-stratification produced by unidirectional flows, Bencliff Grit (Upper Jurassic), Dorset, UK. <i>Journal of the Geological Society</i> , 1989, 146, 241-252.	0.9	45
54	Late Cenozoic deformation of the Hellenide foreland, western Greece. <i>Bulletin of the Geological Society of America</i> , 1989, 101, 613-634.	1.6	192

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55	A low-carbon future for the North Sea basin. Geological Society Special Publication, 0, , SP494-2020-236.	0.8	2