

Dieter Franke

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.

93
papers

3,217
citations

31
h-index

54
g-index

104
ext. papers

3,776
ext. citations

3.6
avg, IF

5.6
L-index

#	Paper	IF	Citations
93	Structure and evolution of the Atlantic passive margins: A review of existing rifting models from wide-angle seismic data and kinematic reconstruction. <i>Marine and Petroleum Geology</i> , 2021 , 126, 104898	4.7	7
92	On the climate benefit of a coal-to-gas shift in Germany's electric power sector. <i>Scientific Reports</i> , 2021 , 11, 11453	4.9	7
91	Basin and petroleum systems modelling in the northern Norwegian Barents Sea. <i>Marine and Petroleum Geology</i> , 2021 , 130, 105128	4.7	2
90	Detailed Seismic Bathymetry Beneath Ekstr�n Ice Shelf, Antarctica: Implications for Glacial History and Ice-Ocean Interaction. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086187	4.9	10
89	The crustal structure of the southern Davie Ridge offshore northern Mozambique – A wide-angle seismic and potential field study. <i>Tectonophysics</i> , 2020 , 778, 228370	3.1	11
88	The magma-poor Somalian continental margin: Lower crustal boudinage and mantle exhumation. <i>Marine Geology</i> , 2020 , 430, 106358	3.3	1
87	Crustal fragmentation, magmatism, and the diachronous opening of the Norwegian-Greenland Sea. <i>Earth-Science Reviews</i> , 2020 , 206, 102839	10.2	31
86	Structural inheritance in the North Atlantic. <i>Earth-Science Reviews</i> , 2020 , 206, 102975	10.2	24
85	The Iceland Microcontinent and a continental Greenland-Iceland-Faroe Ridge. <i>Earth-Science Reviews</i> , 2020 , 206, 102926	10.2	18
84	A review of Pangaea dispersal and Large Igneous Provinces – In search of a causative mechanism. <i>Earth-Science Reviews</i> , 2020 , 206, 102902	10.2	37
83	Inheritance and style of rifting: incremental structural restoration of the Laptev Sea Rift System, north-eastern Russian Arctic. <i>Arktos</i> , 2019 , 5, 63-70	0.9	
82	The Paleozoic Evolution of the Olga Basin Region, Northern Barents Sea: A Link to the Timanian Orogeny. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 614-629	3.6	11
81	South China Sea crustal thickness and oceanic lithosphere distribution from satellite gravity inversion. <i>Petroleum Geoscience</i> , 2019 , 25, 112-128	1.9	20
80	Polyphase Magmatism During the Formation of the Northern East Greenland Continental Margin. <i>Tectonics</i> , 2019 , 38, 2961-2982	4.3	10
79	Numerical basin modeling of the Laptev Sea Rift, NE Russia 2019 , 45-61		
78	Evidence for mantle exhumation since the early evolution of the slow-spreading Gakkel Ridge, Arctic Ocean. <i>Journal of Geodynamics</i> , 2018 , 118, 154-165	2.2	13
77	The Southwest Indian Ocean Bathymetric Compilation (swIOBC). <i>Geochemistry, Geophysics, Geosystems</i> , 2018 , 19, 968-976	3.6	7

76	Shallow gas accumulations in the German North Sea. <i>Marine and Petroleum Geology</i> , 2018 , 91, 139-151	4.7	8
75	Rapid Quaternary subsidence in the northwestern German North Sea. <i>Scientific Reports</i> , 2018 , 8, 11524	4.9	6
74	Mesozoic structural evolution of the New Siberian Islands. <i>Geological Society Special Publication</i> , 2018 , 460, 239-262	1.7	6
73	Tie points for Gondwana reconstructions from a structural interpretation of the Mozambique Basin, East Africa and the Riiser-Larsen Sea, Antarctica. <i>Solid Earth</i> , 2018 , 9, 25-37	3.3	22
72	The continent-ocean transition on the northwestern South China Sea. <i>Basin Research</i> , 2017 , 29, 73-95	3.2	29
71	Gondwana breakup: no evidence for a Davie Fracture Zone offshore northern Mozambique, Tanzania and Kenya. <i>Terra Nova</i> , 2016 , 28, 233-244	3	24
70	Reconnaissance study of organic geochemistry and petrology of Paleozoic-Cenozoic potential hydrocarbon source rocks from the New Siberian Islands, Arctic Russia. <i>Marine and Petroleum Geology</i> , 2016 , 78, 30-47	4.7	3
69	The late rifting phase and continental break-up of the southern South Atlantic: the mode and timing of volcanic rifting and formation of earliest oceanic crust. <i>Geological Society Special Publication</i> , 2016 , 420, 315-340	1.7	17
68	Mass-transport deposits and reservoir quality of Upper Cretaceous Chalk within the German Central Graben, North Sea. <i>International Journal of Earth Sciences</i> , 2016 , 105, 797-818	2.2	15
67	Shale-Gas Assessment: Comparison of Gas-In-Place Versus Performance-Based Approaches. <i>Natural Resources Research</i> , 2016 , 25, 315-329	4.9	9
66	How to identify oceanic crust? Evidence for a complex break-up in the Mozambique Channel, off East Africa. <i>Tectonophysics</i> , 2016 , 693, 436-452	3.1	24
65	Energy Resources. <i>Encyclopedia of Earth Sciences Series</i> , 2016 , 217-226	0	
64	Initial Opening of the Eurasian Basin, Arctic Ocean. <i>Frontiers in Earth Science</i> , 2016 , 4,	3.5	11
63	Fault-controlled lithospheric detachment of the volcanic southern South Atlantic rift. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 887-894	3.6	12
62	Evolution of the northern Argentine margin during the Cenozoic controlled by bottom current dynamics and gravitational processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 3131-3149	3.6	10
61	Organic matter type, origin and thermal maturity of Paleozoic, Mesozoic and Cenozoic successions of the New Siberian Islands, eastern Russian Arctic. <i>International Journal of Coal Geology</i> , 2015 , 152, 125-146	5.5	7
60	The Mesozoic-Cenozoic tectonic evolution of the New Siberian Islands, NE Russia. <i>Geological Magazine</i> , 2015 , 152, 480-491	2	8
59	Reply to Chang et al., 2014, Evolution of the South China Sea: Revised ages for breakup and seafloor spreading. <i>Marine and Petroleum Geology</i> , 2015 , 59, 679-681	4.7	13

58	The offshore East African Rift System: Structural framework at the toe of a juvenile rift. <i>Tectonics</i> , 2015 , 34, 2086-2104	4.3	51
57	SOME THOUGHTS ON THE INFLUENCE OF PRESSURE AND THERMAL HISTORY ASSUMPTIONS ON PETROLEUM SYSTEMS MODELLING by A. D. Carr and C. N. Uguna. <i>Journal of Petroleum Geology</i> , 2015 , 38, 467-470	1.9	
56	Seismic stratigraphy of the central South China Sea basin and implications for neotectonics. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 1377-1399	3.6	109
55	The Rovuma Delta deep-water fold-and-thrust belt, offshore Mozambique. <i>Tectonophysics</i> , 2014 , 614, 91-99	3.1	33
54	Different expressions of rifting on the South China Sea margins. <i>Marine and Petroleum Geology</i> , 2014 , 58, 579-598	4.7	109
53	MATURITY AND PETROLEUM SYSTEMS MODELLING IN THE OFFSHORE ZAMBEZI DELTA DEPRESSION AND ANGOCHE BASIN, NORTHERN MOZAMBIQUE. <i>Journal of Petroleum Geology</i> , 2014 , 37, 329-348	1.9	18
52	Dating and correlation of reference seismic horizons in the Laptev Sea Basin. <i>Moscow University Geology Bulletin</i> , 2014 , 69, 271-280	0.4	5
51	Linking rift propagation barriers to excess magmatism at volcanic rifted margins. <i>Geology</i> , 2014 , 42, 1071-1074	4.5	
50	The final rifting evolution in the South China Sea. <i>Marine and Petroleum Geology</i> , 2014 , 58, 704-720	4.7	177
49	Evolution of the South China Sea: Revised ages for breakup and seafloor spreading. <i>Marine and Petroleum Geology</i> , 2014 , 58, 599-611	4.7	192
48	Oligocene-Miocene carbonates and their role for constraining the rifting and collision history of the Dangerous Grounds, South China Sea. <i>Marine and Petroleum Geology</i> , 2014 , 58, 644-657	4.7	45
47	Seismostratigraphy of the Siberian Sector of the Arctic Ocean and adjacent Laptev Sea Shelf. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 5275-5289	3.6	24
46	The West Andaman Fault: A complex strain-partitioning boundary at the seaward edge of the Aceh Basin, offshore Sumatra. <i>Tectonics</i> , 2014 , 33, 786-806	4.3	19
45	Deep seismic reflection images of the Wharton Basin oceanic crust and uppermost mantle offshore Northern Sumatra: Relation with active and past deformation. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 32-51	3.6	33
44	Slowdown of Circumpolar Deepwater flow during the Late Neogene: Evidence from a mudwave field at the Argentine continental slope. <i>Geophysical Research Letters</i> , 2014 , 41, 2070-2076	4.9	9
43	Late Palaeozoic to Early Cenozoic geological evolution of the northwestern German North Sea (Entenschnabel): New results and insights. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 2014 , 93, 147-174	1.1	17
42	Asymmetry of high-velocity lower crust on the South Atlantic rifted margins and implications for the interplay of magmatism and tectonics in continental breakup. <i>Solid Earth</i> , 2014 , 5, 1011-1026	3.3	29
41	Middle to Late Cenozoic tectonic events in south and central Palawan (Philippines) and their implications to the evolution of the south-eastern margin of South China Sea: Evidence from onshore structural and offshore seismic data. <i>Marine and Petroleum Geology</i> , 2014 , 58, 658-673	4.7	30

40	Segmentation and volcano-tectonic characteristics along the SW African continental margin, South Atlantic, as derived from multichannel seismic and potential field data. <i>Marine and Petroleum Geology</i> , 2014 , 50, 22-39	4.7	46
39	Seismic evidence of hyper-stretched crust and mantle exhumation offshore Vietnam. <i>Tectonophysics</i> , 2013 , 608, 72-83	3.1	76
38	Numerical modeling of extensional sedimentary basin formation with MATLAB: Application to the northern margin of the South China Sea. <i>Computers and Geosciences</i> , 2013 , 51, 153-165	4.5	11
37	Tectonic evolution of the Colorado Basin, offshore Argentina, inferred from seismo-stratigraphy and depositional rates analysis. <i>Tectonophysics</i> , 2013 , 604, 245-263	3.1	23
36	Time constraints on the evolution of southern Palawan Island, Philippines from onshore and offshore correlation of Miocene limestones. <i>Journal of Asian Earth Sciences</i> , 2013 , 76, 412-427	2.8	38
35	Subduction system variability across the segment boundary of the 2004/2005 Sumatra megathrust earthquakes. <i>Earth and Planetary Science Letters</i> , 2013 , 365, 108-119	5.3	13
34	Rifting, lithosphere breakup and volcanism: Comparison of magma-poor and volcanic rifted margins. <i>Marine and Petroleum Geology</i> , 2013 , 43, 63-87	4.7	336
33	Seismic stratigraphy and tectonic structure from a composite multi-channel seismic profile across the entire Dangerous Grounds, South China Sea. <i>Tectonophysics</i> , 2013 , 582, 162-176	3.1	82
32	The crustal structure of the southern Argentine margin. <i>Geophysical Journal International</i> , 2012 , 189, 1483-1504	2.6	29
31	Crustal Structure across the Northwestern Margin of South China Sea: Evidence for Magma-poor Rifting from a Wide-angle Seismic Profile. <i>Acta Geologica Sinica</i> , 2012 , 86, 854-866	0.7	31
30	How to Include Ignorance into Hydrocarbon-Resource Assessments? A Case Study Applied to the Presence of Source Rock at the Argentine Deep Water Margin. <i>Natural Resources Research</i> , 2012 , 21, 301-309	4.9	3
29	Geology of the shelves surrounding the New Siberian Islands from seismic images: Laptev Sea and East Siberian Sea, Russian Arctic 2012 , 278-297		2
28	Variations in sediment transport at the central Argentine continental margin during the Cenozoic. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13, n/a-n/a	3.6	20
27	The continent-ocean transition at the southeastern margin of the South China Sea. <i>Marine and Petroleum Geology</i> , 2011 , 28, 1187-1204	4.7	139
26	Maturity modelling of the deepwater continental margin, offshore Argentina. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2011 , 162, 79-89	1.5	7
25	Petroleum systems of the Simeulue fore-arc basin, offshore Sumatra, Indonesia. <i>AAPG Bulletin</i> , 2011 , 95, 1589-1616	2.5	8
24	Geological evolution of the West Luzon Basin (South China Sea, Philippines). <i>Marine Geophysical Researches</i> , 2011 , 32, 349-362	2.3	19
23	Variations in bottom water activity at the southern Argentine margin: indications from a seismic analysis of a continental slope terrace. <i>Geo-Marine Letters</i> , 2011 , 31, 405-417	1.9	20

22	Deepwater folding and thrusting offshore NW Borneo, SE Asia. <i>Geological Society Special Publication</i> , 2010 , 348, 169-185	1.7	8
21	Limits of the seismogenic zone in the epicentral region of the 26 December 2004 great Sumatra-Andaman earthquake: Results from seismic refraction and wide-angle reflection surveys and thermal modeling. <i>Journal of Geophysical Research</i> , 2010 , 115,		50
20	The structural evolution of folds in a deepwater fold and thrust belt – a case study from the Sabah continental margin offshore NW Borneo, SE Asia. <i>Marine and Petroleum Geology</i> , 2010 , 27, 442-454	4.7	39
19	Structural evolution and strike-slip tectonics off north-western Sumatra. <i>Tectonophysics</i> , 2010 , 480, 119-132	3.2	33
18	Birth of a volcanic margin off Argentina, South Atlantic. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	59
17	The deep-water fold-and-thrust belt offshore NW Borneo: Gravity-driven versus basement-driven shortening. <i>Bulletin of the Geological Society of America</i> , 2009 , 121, 939-953	3.9	59
16	Crustal-scale architecture and segmentation of the Argentine margin and its conjugate off South Africa. <i>Geophysical Journal International</i> , 2009 , 178, 85-105	2.6	56
15	Seismic images of a collision zone offshore NW Sabah/Borneo. <i>Marine and Petroleum Geology</i> , 2008 , 25, 606-624	4.7	79
14	The structure of the lower crust at the Argentine continental margin, South Atlantic at 44°S. <i>Tectonophysics</i> , 2008 , 454, 14-22	3.1	45
13	The great Sumatra-Andaman earthquakes – Imaging the boundary between the ruptures of the great 2004 and 2005 earthquakes. <i>Earth and Planetary Science Letters</i> , 2008 , 269, 118-130	5.3	71
12	Neogene subsidence and stratigraphy of the Simeulue forearc basin, Northwest Sumatra. <i>Marine Geology</i> , 2008 , 253, 1-13	3.3	20
11	Margin segmentation and volcano-tectonic architecture along the volcanic margin off Argentina/Uruguay, South Atlantic. <i>Marine Geology</i> , 2007 , 244, 46-67	3.3	137
10	Crustal structure across the Colorado Basin, offshore Argentina. <i>Geophysical Journal International</i> , 2006 , 165, 850-864	2.6	59
9	THE STRUCTURAL STYLE OF SEDIMENTARY BASINS ON THE SHELVES OF THE LAPTEV SEA AND WESTERN EAST SIBERIAN SEA, SIBERIAN ARCTIC. <i>Journal of Petroleum Geology</i> , 2005 , 28, 269-286	1.9	22
8	INDICATIONS FOR AN ACTIVE PETROLEUM SYSTEM IN THE LAPTEV SEA, NE SIBERIA. <i>Journal of Petroleum Geology</i> , 2005 , 28, 369-384	1.9	30
7	Geology of the East Siberian Sea, Russian Arctic, from seismic images: Structures, evolution, and implications for the evolution of the Arctic Ocean Basin. <i>Journal of Geophysical Research</i> , 2004 , 109,		42
6	The Laptev Sea Rift. <i>Marine and Petroleum Geology</i> , 2001 , 18, 1083-1127	4.7	77
5	Tectonics of the Laptev Sea [Moma ' Rift' Region: Investigation with Seismologic Broadband Data. <i>Journal of Seismology</i> , 2000 , 4, 99-116	1.5	24

4	Deformation of Continental Lithosphere on the Laptev Sea Shelf, Russian Arctic 1998,	4
3	Unlocking the Opening Processes of the South China Sea. <i>Scientific Drilling</i> ,14, 55-59	4
2	Asymmetry of high-velocity lower crust on the South Atlantic rifted margins and implications for the interplay of magmatism and tectonics in continental break-up	5
1	Geology of the Shelves surrounding the New Siberian Islands, Russian Arctic. <i>Stephan Mueller Special Publication Series</i> ,4, 35-44	12