

# Dieter Franke

## List of Publications by Year in descending order

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94  
papers

4,265  
citations

101496

36  
h-index

118793

62  
g-index

105  
all docs

105  
docs citations

105  
times ranked

2366  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rifting, lithosphere breakup and volcanism: Comparison of magma-poor and volcanic rifted margins. <i>Marine and Petroleum Geology</i> , 2013, 43, 63-87.	1.5	416
2	Evolution of the South China Sea: Revised ages for breakup and seafloor spreading. <i>Marine and Petroleum Geology</i> , 2014, 58, 599-611.	1.5	259
3	The final rifting evolution in the South China Sea. <i>Marine and Petroleum Geology</i> , 2014, 58, 704-720.	1.5	255
4	The continent-ocean transition at the southeastern margin of the South China Sea. <i>Marine and Petroleum Geology</i> , 2011, 28, 1187-1204.	1.5	164
5	Margin segmentation and volcano-tectonic architecture along the volcanic margin off Argentina/Uruguay, South Atlantic. <i>Marine Geology</i> , 2007, 244, 46-67.	0.9	160
6	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.	1.4	155
7	Different expressions of rifting on the South China Sea margins. <i>Marine and Petroleum Geology</i> , 2014, 58, 579-598.	1.5	143
8	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.	0.9	103
9	Seismic images of a collision zone offshore NW Sabah/Borneo. <i>Marine and Petroleum Geology</i> , 2008, 25, 606-624.	1.5	97
10	The Laptev Sea Rift. <i>Marine and Petroleum Geology</i> , 2001, 18, 1083-1127.	1.5	91
11	Seismic evidence of hyper-stretched crust and mantle exhumation offshore Vietnam. <i>Tectonophysics</i> , 2013, 608, 72-83.	0.9	90
12	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.	1.6	78
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.	1.8	75
14	The offshore East African Rift System: Structural framework at the toe of a juvenile rift. <i>Tectonics</i> , 2015, 34, 2086-2104.	1.3	72
15	Birth of a volcanic margin off Argentina, South Atlantic. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	67
16	Crustal structure across the Colorado Basin, offshore Argentina. <i>Geophysical Journal International</i> , 2006, 165, 850-864.	1.0	65
17	Crustal-scale architecture and segmentation of the Argentine margin and its conjugate off South Africa. <i>Geophysical Journal International</i> , 2009, 178, 85-105.	1.0	65
18	A review of Pangaea dispersal and Large Igneous Provinces - In search of a causative mechanism. <i>Earth-Science Reviews</i> , 2020, 206, 102902.	4.0	64

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19	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.	1.5	63
20	Crustal fragmentation, magmatism, and the diachronous opening of the Norwegian-Greenland Sea. <i>Earth-Science Reviews</i> , 2020, 206, 102839.	4.0	63
21	Structural inheritance in the North Atlantic. <i>Earth-Science Reviews</i> , 2020, 206, 102975.	4.0	60
22	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, .	3.3	57
23	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.	1.0	56
24	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.	1.5	53
25	Linking rift propagation barriers to excess magmatism at volcanic rifted margins. <i>Geology</i> , 2014, 42, 1071-1074.	2.0	53
26	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.	1.5	52
27	The structure of the lower crust at the Argentine continental margin, South Atlantic at 44°S. <i>Tectonophysics</i> , 2008, 454, 14-22.	0.9	51
28	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.	1.5	50
29	The continent–ocean transition on the northwestern South China Sea. <i>Basin Research</i> , 2017, 29, 73-95.	1.3	49
30	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, .	3.3	47
31	South China Sea crustal thickness and oceanic lithosphere distribution from satellite gravity inversion. <i>Petroleum Geoscience</i> , 2019, 25, 112-128.	0.9	46
32	Structural evolution and strike-slip tectonics off north-western Sumatra. <i>Tectonophysics</i> , 2010, 480, 119-132.	0.9	44
33	INDICATIONS FOR AN ACTIVE PETROLEUM SYSTEM IN THE LAPTEV SEA, NE SIBERIA. <i>Journal of Petroleum Geology</i> , 2005, 28, 369-384.	0.9	43
34	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.	0.8	43
35	The Iceland Microcontinent and a continental Greenland-Iceland-Faroe Ridge. <i>Earth-Science Reviews</i> , 2020, 206, 102926.	4.0	42
36	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.	1.2	38

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37	The Rovuma Delta deep-water fold-and-thrust belt, offshore Mozambique. <i>Tectonophysics</i> , 2014, 614, 91-99.	0.9	37
38	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.	1.4	36
39	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.	0.9	33
40	The crustal structure of the southern Argentine margin. <i>Geophysical Journal International</i> , 2012, 189, 1483-1504.	1.0	31
41	Tectonic evolution of the Colorado Basin, offshore Argentina, inferred from seismo-stratigraphy and depositional rates analysis. <i>Tectonophysics</i> , 2013, 604, 245-263.	0.9	31
42	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.	1.4	30
43	Gondwana breakup: no evidence for a Davie Fracture Zone offshore northern Mozambique, Tanzania and Kenya. <i>Terra Nova</i> , 2016, 28, 233-244.	0.9	29
44	Tectonics of the Laptev Sea “Moma `Rift’ Region: Investigation with Seismologic Broadband Data. <i>Journal of Seismology</i> , 2000, 4, 99-116.	0.6	28
45	Variations in sediment transport at the central Argentine continental margin during the Cenozoic. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	28
46	On the climate benefit of a coal-to-gas shift in Germany’s electric power sector. <i>Scientific Reports</i> , 2021, 11, 11453.	1.6	28
47	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.	0.8	26
48	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.	0.9	25
49	Neogene subsidence and stratigraphy of the Simeulue forearc basin, Northwest Sumatra. <i>Marine Geology</i> , 2008, 253, 1-13.	0.9	25
50	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.	0.6	24
51	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.	1.2	24
52	Geological evolution of the West Luzon Basin (South China Sea, Philippines). <i>Marine Geophysical Researches</i> , 2011, 32, 349-362.	0.5	23
53	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.	0.5	23
54	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.	0.7	23

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55	Shallow gas accumulations in the German North Sea. <i>Marine and Petroleum Geology</i> , 2018, 91, 139-151.	1.5	22
56	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.	1.0	22
57	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.	0.9	21
58	The West Andaman Fault: A complex strainâ€partitioning boundary at the seaward edge of the Aceh Basin, offshore Sumatra. <i>Tectonics</i> , 2014, 33, 786-806.	1.3	21
59	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.	0.9	19
60	Initial Opening of the Eurasian Basin, Arctic Ocean. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	18
61	The crustal structure of the southern Davie Ridge offshore northern Mozambique â€ A wide-angle seismic and potential field study. <i>Tectonophysics</i> , 2020, 778, 228370.	0.9	18
62	Polyphase Magmatism During the Formation of the Northern East Greenland Continental Margin. <i>Tectonics</i> , 2019, 38, 2961-2982.	1.3	17
63	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.	1.8	16
64	Reply to Chang etÂ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.	1.5	16
65	Faultâ€controlled lithospheric detachment of the volcanic southern <sc>S</sc>outh <sc>A</sc>tantic rift. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 887-894.	1.0	16
66	Geology of the Shelves surrounding the New Siberian Islands, Russian Arctic. <i>Stephan Mueller Special Publication Series</i> , 0, 4, 35-44.	0.0	16
67	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.	1.5	15
68	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.	1.0	14
69	Detailed Seismic Bathymetry Beneath EkstrÃm Ice Shelf, Antarctica: Implications for Glacial History and Iceâ€Ocean Interaction. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086187.	1.5	14
70	Basin and petroleum systems modelling in the northern Norwegian Barents Sea. <i>Marine and Petroleum Geology</i> , 2021, 130, 105128.	1.5	13
71	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.	2.0	12
72	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.	1.9	12

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73	Shale-Gas Assessment: Comparison of Gas-In-Place Versus Performance-Based Approaches. <i>Natural Resources Research</i> , 2016, 25, 315-329.	2.2	12
74	Petroleum systems of the Simeulue fore-arc basin, offshore Sumatra, Indonesia. <i>AAPG Bulletin</i> , 2011, 95, 1589-1616.	0.7	11
75	Deepwater folding and thrusting offshore NW Borneo, SE Asia. <i>Geological Society Special Publication</i> , 2010, 348, 169-185.	0.8	10
76	The Mesozoicâ€Cenozoic tectonic evolution of the New Siberian Islands, NE Russia. <i>Geological Magazine</i> , 2015, 152, 480-491.	0.9	10
77	The Southwest Indian Ocean Bathymetric Compilation (swIOBC). <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 968-976.	1.0	10
78	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.	1.5	9
79	Maturity modelling of the deepwater continental margin, offshore Argentina. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2011, 162, 79-89.	0.1	8
80	Mesozoic structural evolution of the New Siberian Islands. <i>Geological Society Special Publication</i> , 2018, 460, 239-262.	0.8	8
81	Rapid Quaternary subsidence in the northwestern German North Sea. <i>Scientific Reports</i> , 2018, 8, 11524.	1.6	7
82	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.	2.2	5
83	Dating and correlation of reference seismic horizons in the Laptev Sea Basin. <i>Moscow University Geology Bulletin</i> , 2014, 69, 271-280.	0.0	5
84	Unlocking the Opening Processes of the South China Sea. <i>Scientific Drilling</i> , 0, 14, 55-59.	1.0	5
85	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.	1.5	4
86	Deformation of Continental Lithosphere on the Laptev Sea Shelf, Russian Arctic. , 1998, , .		4
87	Geology of the shelves surrounding the New Siberian Islands from seismic images. , 2012, , 278-297.		3
88	The magma-poor Somalian continental margin: Lower crustal boudinage and mantle exhumation. <i>Marine Geology</i> , 2020, 430, 106358.	0.9	2
89	â€œSOME THOUGHTS ON THE INFLUENCE OF PRESSURE AND THERMAL HISTORY ASSUMPTIONS ON PETROLEUM SYSTEMS MODELLINGâ€, by A. D. Carr and C. N. Uguna. <i>Journal of Petroleum Geology</i> , 2015, 38, 467-470.	0.9	0
90	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.	1.0	0

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91	Energy Resources. , 2014, , 1-14.		0
92	Energy Resources. Encyclopedia of Earth Sciences Series, 2016, , 217-226.	0.1	0
93	Numerical basin modeling of the Laptev Sea Rift, NE Russia. , 2019, , 45-61.		0
94	Ehrungen der Deutschen Geologischen Gesellschaft â€™ Geologischen Vereinigung (DGGV) 2020. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2020, 171, 237-247.	0.1	0