

Wolfram H Geissler

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.

49
papers

999
citations

20
h-index

29
g-index

52
ext. papers

1,214
ext. citations

3.8
avg, IF

4.24
L-index

#	Paper	IF	Citations
49	Mantle plume and rift-related volcanism during the evolution of the Rio Grande Rise. <i>Communications Earth & Environment</i> , 2022 , 3,	6.1	2
48	Wide-angle seismic transect reveals the crustal structure of (f) southern Sri Lanka. <i>Tectonophysics</i> , 2022 , 229358	3.1	0
47	Back-Arc Extension of the Central Bransfield Basin Induced by Ridge-Trench Collision: Implications From Ambient Noise Tomography and Stress Field Inversion. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL0915032	4.9	1
46	The early drift of the Indian plate. <i>Scientific Reports</i> , 2021 , 11, 10796	4.9	2
45	The bent prolongation of the 85°E Ridge south of 5°N – Fact or fiction?. <i>Tectonophysics</i> , 2020 , 785, 228457	3.1	5
44	BRAVOSEIS: Geophysical investigation of rifting and volcanism in the Bransfield strait, Antarctica. <i>Journal of South American Earth Sciences</i> , 2020 , 104, 102834	2	8
43	Seafloor evidence for pre-shield volcanism above the Tristan da Cunha mantle plume. <i>Nature Communications</i> , 2020 , 11, 4543	17.4	2
42	Middle Miocene magmatic activity in the Sophia Basin, Arctic Ocean – Evidence from dredged basalt at the flanks of Mosby Seamount. <i>Arktos</i> , 2019 , 5, 31-48	0.9	1
41	Polyphase Magmatism During the Formation of the Northern East Greenland Continental Margin. <i>Tectonics</i> , 2019 , 38, 2961-2982	4.3	10
40	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
39	Submarine slope failures due to pipe structure formation. <i>Nature Communications</i> , 2018 , 9, 715	17.4	49
38	Hot Upper Mantle Beneath the Tristan da Cunha Hotspot From Probabilistic Rayleigh-Wave Inversion and Petrological Modeling. <i>Geochemistry, Geophysics, Geosystems</i> , 2018 , 19, 1412-1428	3.6	14
37	Late Cenozoic Erosion Estimates for the Northern Barents Sea: Quantifying Glacial Sediment Input to the Arctic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2018 , 19, 4876-4903	3.6	11
36	Chronology of the Fram Slide Complex offshore NW Svalbard and its implications for local and regional slope stability. <i>Marine Geology</i> , 2017 , 393, 141-155	3.3	8
35	Thickness of the oceanic crust, the lithosphere, and the mantle transition zone in the vicinity of the Tristan da Cunha hot spot estimated from ocean-bottom and ocean-island seismometer receiver functions. <i>Tectonophysics</i> , 2017 , 716, 33-51	3.1	20
34	Seismic structure of the lithosphere beneath NW Namibia: Impact of the Tristan da Cunha mantle plume. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 125-141	3.6	11
33	Hunting for the Tristan mantle plume – An upper mantle tomography around the volcanic island of Tristan da Cunha. <i>Earth and Planetary Science Letters</i> , 2017 , 462, 122-131	5.3	22

32	Seismic volcanostratigraphy of the NE Greenland continental margin. <i>Geological Society Special Publication</i> , 2017 , 447, 149-170	1.7	8
31	Seamounts and oceanic igneous features in the NE Atlantic: a link between plate motions and mantle dynamics. <i>Geological Society Special Publication</i> , 2017 , 447, 419-442	1.7	12
30	A review of the NE Atlantic conjugate margins based on seismic refraction data. <i>Geological Society Special Publication</i> , 2017 , 447, 171-205	1.7	25
29	Ambient seismic noise tomography of SW Iberia integrating seafloor- and land-based data. <i>Tectonophysics</i> , 2017 , 700-701, 131-149	3.1	10
28	Micro-seismicity in the Gulf of Cadiz: Is there a link between micro-seismicity, high magnitude earthquakes and active faults?. <i>Tectonophysics</i> , 2017 , 717, 226-241	3.1	33
27	Active Magmatic Underplating in Western Eger Rift, Central Europe. <i>Tectonics</i> , 2017 , 36, 2846-2862	4.3	17
26	The magmatic system beneath the Tristan da Cunha Island: Insights from thermobarometry, melting models and geophysics. <i>Tectonophysics</i> , 2017 , 716, 64-76	3.1	11
25	Moho and basement depth in the NE Atlantic Ocean based on seismic refraction data and receiver functions. <i>Geological Society Special Publication</i> , 2017 , 447, 207-231	1.7	26
24	Marine magnetotellurics imaged no distinct plume beneath the Tristan da Cunha hotspot in the southern Atlantic Ocean. <i>Tectonophysics</i> , 2017 , 716, 52-63	3.1	15
23	Upper mantle structure across the Trans-European Suture Zone imaged by S-receiver functions. <i>Earth and Planetary Science Letters</i> , 2017 , 458, 429-441	5.3	15
22	Seismicity in the Vicinity of the Tristan Da Cunha Hot Spot: Particular Plate Tectonics and Mantle Plume Presence. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 10,427-10,439	3.6	2
21	Helium and carbon isotope signatures of gas exhalations in the westernmost part of the Pannonian Basin (SE Austria/NE Slovenia): Evidence for active lithospheric mantle degassing. <i>Chemical Geology</i> , 2016 , 422, 60-70	4.2	26
20	Gas hydrate distribution and hydrocarbon maturation north of the Knipovich Ridge, western Svalbard margin. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 1405-1424	3.6	23
19	Arctic megaslide at presumed rest. <i>Scientific Reports</i> , 2016 , 6, 38529	4.9	12
18	Crustal thickness and Vp/Vs ratio in NW Namibia from receiver functions: Evidence for magmatic underplating due to mantle plume-crust interaction. <i>Geophysical Research Letters</i> , 2015 , 42, 3330-3337	4.9	18
17	Provenance and characteristics of rocks from the Yermak Plateau, Arctic Ocean: Petrographic, geochemical and geochronological constraints. <i>Marine Geology</i> , 2013 , 343, 125-145	3.3	9
16	Seismic gap beneath Logachev Seamount: Indicator for melt focusing at an ultraslow mid-ocean ridge?. <i>Geophysical Research Letters</i> , 2013 , 40, 1703-1707	4.9	20
15	Applying distance sampling to fin whale calls recorded by single seismic instruments in the northeast Atlantic. <i>Journal of the Acoustical Society of America</i> , 2013 , 134, 3522-35	2.2	37

14	Lithosphere structure of the NE Bohemian Massif (Sudetes) IÄ teleseismic receiver function study. <i>Tectonophysics</i> , 2012 , 564-565, 12-37	3.1	18
13	Receiver function search for a baby plume in the mantle transition zone beneath the Bohemian Massif. <i>Geophysical Journal International</i> , 2011 , 187, 577-594	2.6	12
12	The Yermak Plateau in the Arctic Ocean in the light of reflection seismic data-implication for its tectonic and sedimentary evolution. <i>Geophysical Journal International</i> , 2011 , 187, 1334-1362	2.6	31
11	Thickness of the central and eastern European lithosphere as seen by receiver functions. <i>Geophysical Journal International</i> , 2010 ,	2.6	30
10	Focal mechanisms for sub-crustal earthquakes in the Gulf of Cadiz from a dense OBS deployment. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	64
9	The crust-mantle transition and the Moho beneath the Vogtland/West Bohemian region in the light of different seismic methods. <i>Studia Geophysica Et Geodaetica</i> , 2009 , 53, 275-294	0.7	28
8	Seismic imaging of the crust beneath Dronning Maud Land, East Antarctica. <i>Geophysical Journal International</i> , 2009 , 178, 860-876	2.6	18
7	Upper mantle and lithospheric heterogeneities in central and eastern Europe as observed by teleseismic receiver functions. <i>Geophysical Journal International</i> , 2008 , 174, 351-376	2.6	39
6	Basement structure of the north-western Yermak Plateau. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	24
5	Lithospheric structure of the Bohemian Massif and adjacent Variscan belt in central Europe based on profile S01 from the SUDETES 2003 experiment. <i>Journal of Geophysical Research</i> , 2008 , 113,		62
4	Dynamics and timing of the Hinlopen/Yermak Megaslide north of Spitsbergen, Arctic Ocean. <i>Marine Geology</i> , 2008 , 250, 34-50	3.3	31
3	Combined Gas-geochemical and Receiver Function Studies of the Vogtland/NW Bohemia Intraplate Mantle Degassing Field, Central Europe 2007 , 127-158		11
2	Seismic structure and location of a CO ₂ source in the upper mantle of the western Eger (Ohře) Rift, central Europe. <i>Tectonics</i> , 2005 , 24, n/a-n/a	4.3	79
1	A geophysical study of the northern Svalbard continental margin. <i>Geophysical Journal International</i> , 2004 , 158, 50-66	2.6	54