

Wolfram H Geissler

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,374
citations

304368

22
h-index

360668

35
g-index

52
all docs

52
docs citations

52
times ranked

1623
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic structure and location of a CO ₂ source in the upper mantle of the western Eger (Ohå™e) Rift, central Europe. <i>Tectonics</i> , 2005, 24, n/a-n/a.	1.3	91
2	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, .	3.3	77
3	Submarine slope failures due to pipe structure formation. <i>Nature Communications</i> , 2018, 9, 715.	5.8	77
4	Focal mechanisms for subâ€crustal earthquakes in the Gulf of Cadiz from a dense OBS deployment. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	75
5	A geophysical study of the northern Svalbard continental margin. <i>Geophysical Journal International</i> , 2004, 158, 50-66.	1.0	65
6	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, 3522-3535.	0.5	48
7	Active Magmatic Underplating in Western Eger Rift, Central Europe. <i>Tectonics</i> , 2017, 36, 2846-2862.	1.3	47
8	Thickness of the central and eastern European lithosphere as seen by <i>S</i> receiver functions. <i>Geophysical Journal International</i> , 2010, , .	1.0	45
9	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.	0.9	42
10	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.	1.0	40
11	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.	1.0	38
12	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.	0.8	37
13	A review of the NE Atlantic conjugate margins based on seismic refraction data. <i>Geological Society Special Publication</i> , 2017, 447, 171-205.	0.8	35
14	Dynamics and timing of the Hinlopen/Yermak Megaslide north of Spitsbergen, Arctic Ocean. <i>Marine Geology</i> , 2008, 250, 34-50.	0.9	34
15	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.	1.4	34
16	Hunting for the Tristan mantle plume â€“ An upper mantle tomography around the volcanic island of Tristan da Cunha. <i>Earth and Planetary Science Letters</i> , 2017, 462, 122-131.	1.8	34
17	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.	0.3	32
18	Crustal thickness and V_p/V_s ratio in NW Namibia from receiver functions: Evidence for magmatic underplating due to mantle plumeâ€crust interaction. <i>Geophysical Research Letters</i> , 2015, 42, 3330-3337.	1.5	27

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19	Basement structure of the north-western Yermak Plateau. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	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.	1.4	26
21	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.	0.9	25
22	Combined Gas-geochemical and Receiver Function Studies of the Vogtland/NW Bohemia Intraplate Mantle Degassing Field, Central Europe. , 2007, , 127-158.		25
23	Seismic gap beneath Logachev Seamount: Indicator for melt focusing at an ultraslow mid-ocean ridge?. <i>Geophysical Research Letters</i> , 2013, 40, 1703-1707.	1.5	24
24	Lithosphere structure of the NE Bohemian Massif (Sudetes) – A teleseismic receiver function study. <i>Tectonophysics</i> , 2012, 564-565, 12-37.	0.9	23
25	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
26	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.	1.0	23
27	Seismic imaging of the crust beneath Dronning Maud Land, East Antarctica. <i>Geophysical Journal International</i> , 2009, 178, 860-876.	1.0	22
28	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.	1.8	22
29	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.	0.8	21
30	Marine magnetotellurics imaged no distinct plume beneath the Tristan da Cunha hotspot in the southern Atlantic Ocean. <i>Tectonophysics</i> , 2017, 716, 52-63.	0.9	21
31	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.	1.0	21
32	Arctic megaslide at presumed rest. <i>Scientific Reports</i> , 2016, 6, 38529.	1.6	19
33	Polyphase Magmatism During the Formation of the Northern East Greenland Continental Margin. <i>Tectonics</i> , 2019, 38, 2961-2982.	1.3	17
34	Ambient seismic noise tomography of SW Iberia integrating seafloor- and land-based data. <i>Tectonophysics</i> , 2017, 700-701, 131-149.	0.9	16
35	BRAVOSEIS: Geophysical investigation of rifting and volcanism in the Bransfield strait, Antarctica. <i>Journal of South American Earth Sciences</i> , 2020, 104, 102834.	0.6	16
36	Seismic structure of the lithosphere beneath NW-Norway: Impact of the Tristan da Cunha mantle plume. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 125-141.	1.0	14

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37	Provenance and characteristics of rocks from the Yermak Plateau, Arctic Ocean: Petrographic, geochemical and geochronological constraints. <i>Marine Geology</i> , 2013, 343, 125-145.	0.9	13
38	The magmatic system beneath the Tristan da Cunha Island: Insights from thermobarometry, melting models and geophysics. <i>Tectonophysics</i> , 2017, 716, 64-76.	0.9	13
39	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.	1.0	12
40	The bent prolongation of the 85°E Ridge south of 5°N – Fact or fiction?. <i>Tectonophysics</i> , 2020, 785, 228457.	0.9	12
41	Seismic volcanostratigraphy of the NE Greenland continental margin. <i>Geological Society Special Publication</i> , 2017, 447, 149-170.	0.8	11
42	Mantle plume and rift-related volcanism during the evolution of the Rio Grande Rise. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	11
43	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.	0.9	9
44	The early drift of the Indian plate. <i>Scientific Reports</i> , 2021, 11, 10796.	1.6	6
45	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, e2021GL095032.	1.5	6
46	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.	1.0	5
47	Seafloor evidence for pre-shield volcanism above the Tristan da Cunha mantle plume. <i>Nature Communications</i> , 2020, 11, 4543.	5.8	5
48	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.	1.4	4
49	A revised core-seismic integration in the Molloy Basin (ODP Site 909): Implications for the history of ice rafting and ocean circulation in the Atlantic-Arctic gateway. <i>Global and Planetary Change</i> , 2022, 215, 103876.	1.6	3
50	Wide-angle seismic transect reveals the crustal structure of(f) southern Sri Lanka. <i>Tectonophysics</i> , 2022, , 229358.	0.9	2
51	From mantle roots to surface eruptions: Cenozoic and Mesozoic continental basaltic magmatism. <i>International Journal of Earth Sciences</i> , 2015, 104, 1909-1912.	0.9	0