

# Wolfram H Geissler

## List of Publications by Citations

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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	Seismic structure and location of a CO <sub>2</sub> source in the upper mantle of the western Eger (Ohře) Rift, central Europe. <i>Tectonics</i> , <b>2005</b> , 24, n/a-n/a	4.3	79
48	Focal mechanisms for sub-crustal earthquakes in the Gulf of Cadiz from a dense OBS deployment. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	64
47	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> , <b>2008</b> , 113,		62
46	A geophysical study of the northern Svalbard continental margin. <i>Geophysical Journal International</i> , <b>2004</b> , 158, 50-66	2.6	54
45	Submarine slope failures due to pipe structure formation. <i>Nature Communications</i> , <b>2018</b> , 9, 715	17.4	49
44	Upper mantle and lithospheric heterogeneities in central and eastern Europe as observed by teleseismic receiver functions. <i>Geophysical Journal International</i> , <b>2008</b> , 174, 351-376	2.6	39
43	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> , <b>2013</b> , 134, 3522-35	2.2	37
42	Micro-seismicity in the Gulf of Cadiz: Is there a link between micro-seismicity, high magnitude earthquakes and active faults?. <i>Tectonophysics</i> , <b>2017</b> , 717, 226-241	3.1	33
41	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> , <b>2011</b> , 187, 1334-1362	2.6	31
40	Dynamics and timing of the Hinlopen/Yermak Megaslide north of Spitsbergen, Arctic Ocean. <i>Marine Geology</i> , <b>2008</b> , 250, 34-50	3.3	31
39	Thickness of the central and eastern European lithosphere as seen by receiver functions. <i>Geophysical Journal International</i> , <b>2010</b> ,	2.6	30
38	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> , <b>2009</b> , 53, 275-294	0.7	28
37	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> , <b>2016</b> , 422, 60-70	4.2	26
36	Moho and basement depth in the NE Atlantic Ocean based on seismic refraction data and receiver functions. <i>Geological Society Special Publication</i> , <b>2017</b> , 447, 207-231	1.7	26
35	A review of the NE Atlantic conjugate margins based on seismic refraction data. <i>Geological Society Special Publication</i> , <b>2017</b> , 447, 171-205	1.7	25
34	Basement structure of the north-western Yermak Plateau. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	24
33	Gas hydrate distribution and hydrocarbon maturation north of the Knipovich Ridge, western Svalbard margin. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2016</b> , 121, 1405-1424	3.6	23

32	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> , <b>2017</b> , 462, 122-131	5.3	22
31	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> , <b>2017</b> , 716, 33-51	3.1	20
30	Seismic gap beneath Logachev Seamount: Indicator for melt focusing at an ultraslow mid-ocean ridge?. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1703-1707	4.9	20
29	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> , <b>2015</b> , 42, 3330-3337	4.9	18
28	Lithosphere structure of the NE Bohemian Massif (Sudetes) □A teleseismic receiver function study. <i>Tectonophysics</i> , <b>2012</b> , 564-565, 12-37	3.1	18
27	Seismic imaging of the crust beneath Dronning Maud Land, East Antarctica. <i>Geophysical Journal International</i> , <b>2009</b> , 178, 860-876	2.6	18
26	Active Magmatic Underplating in Western Eger Rift, Central Europe. <i>Tectonics</i> , <b>2017</b> , 36, 2846-2862	4.3	17
25	Marine magnetotellurics imaged no distinct plume beneath the Tristan da Cunha hotspot in the southern Atlantic Ocean. <i>Tectonophysics</i> , <b>2017</b> , 716, 52-63	3.1	15
24	Upper mantle structure across the Trans-European Suture Zone imaged by S-receiver functions. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 458, 429-441	5.3	15
23	Hot Upper Mantle Beneath the Tristan da Cunha Hotspot From Probabilistic Rayleigh-Wave Inversion and Petrological Modeling. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 1412-1428	3.6	14
22	Evidence for mantle exhumation since the early evolution of the slow-spreading Gakkel Ridge, Arctic Ocean. <i>Journal of Geodynamics</i> , <b>2018</b> , 118, 154-165	2.2	13
21	Seamounts and oceanic igneous features in the NE Atlantic: a link between plate motions and mantle dynamics. <i>Geological Society Special Publication</i> , <b>2017</b> , 447, 419-442	1.7	12
20	Receiver function search for a baby plume in the mantle transition zone beneath the Bohemian Massif. <i>Geophysical Journal International</i> , <b>2011</b> , 187, 577-594	2.6	12
19	Arctic megaslide at presumed rest. <i>Scientific Reports</i> , <b>2016</b> , 6, 38529	4.9	12
18	Seismic structure of the lithosphere beneath NW Namibia: Impact of the Tristan da Cunha mantle plume. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2017</b> , 18, 125-141	3.6	11
17	The magmatic system beneath the Tristan da Cunha Island: Insights from thermobarometry, melting models and geophysics. <i>Tectonophysics</i> , <b>2017</b> , 716, 64-76	3.1	11
16	Combined Gas-geochemical and Receiver Function Studies of the Vogtland/NW Bohemia Intraplate Mantle Degassing Field, Central Europe <b>2007</b> , 127-158		11
15	Late Cenozoic Erosion Estimates for the Northern Barents Sea: Quantifying Glacial Sediment Input to the Arctic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 4876-4903	3.6	11

14	Ambient seismic noise tomography of SW Iberia integrating seafloor- and land-based data. <i>Tectonophysics</i> , <b>2017</b> , 700-701, 131-149	3.1	10
13	Polyphase Magmatism During the Formation of the Northern East Greenland Continental Margin. <i>Tectonics</i> , <b>2019</b> , 38, 2961-2982	4.3	10
12	Provenance and characteristics of rocks from the Yermak Plateau, Arctic Ocean: Petrographic, geochemical and geochronological constraints. <i>Marine Geology</i> , <b>2013</b> , 343, 125-145	3.3	9
11	Chronology of the Fram Slide Complex offshore NW Svalbard and its implications for local and regional slope stability. <i>Marine Geology</i> , <b>2017</b> , 393, 141-155	3.3	8
10	Seismic volcanostratigraphy of the NE Greenland continental margin. <i>Geological Society Special Publication</i> , <b>2017</b> , 447, 149-170	1.7	8
9	BRAVOSEIS: Geophysical investigation of rifting and volcanism in the Bransfield strait, Antarctica. <i>Journal of South American Earth Sciences</i> , <b>2020</b> , 104, 102834	2	8
8	The bent prolongation of the 85°E Ridge south of 5°N: Fact or fiction?. <i>Tectonophysics</i> , <b>2020</b> , 785, 228457	3.1	5
7	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> , <b>2017</b> , 122, 10,427-10,439	3.6	2
6	Mantle plume and rift-related volcanism during the evolution of the Rio Grande Rise. <i>Communications Earth &amp; Environment</i> , <b>2022</b> , 3,	6.1	2
5	Seafloor evidence for pre-shield volcanism above the Tristan da Cunha mantle plume. <i>Nature Communications</i> , <b>2020</b> , 11, 4543	17.4	2
4	The early drift of the Indian plate. <i>Scientific Reports</i> , <b>2021</b> , 11, 10796	4.9	2
3	Middle Miocene magmatic activity in the Sophia Basin, Arctic Ocean: Evidence from dredged basalt at the flanks of Mosby Seamount. <i>Arktos</i> , <b>2019</b> , 5, 31-48	0.9	1
2	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> , <b>2021</b> , 48, e2021GL095032	4.9	1
1	Wide-angle seismic transect reveals the crustal structure of (f) southern Sri Lanka. <i>Tectonophysics</i> , <b>2022</b> , 229358	3.1	0