Charlotte M Krawczyk

List of Publications by Year
in descending order

67	2,169	279701 23	243529 44
papers	citations	h-index	g-index

95	95	95	1934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic motion monitoring of a 3.6â€‰km long steel rod in a borehole during cold-water injection with distributed fiber-optic sensing. Solid Earth, 2022, 13, 161-176.	1.2	3
2	Fibre optic distributed acoustic sensing of volcanic events. Nature Communications, 2022, 13, 1753.	5.8	54
3	Cyclical geothermal unrest as a precursor to Icelandâ€™s 2021 Fagradalsfjall eruption. Nature Geoscience, 2022, 15, 397-404.	5.4	29
4	Fiber Optic Distributed Strain Sensing for Seismic Applications. Encyclopedia of Earth Sciences Series, 2021, , 379-383.	0.1	0
5	Wireline distributed acoustic sensing allows 4.2â€‰km deep vertical seismic profiling of the Rotliegend 150â€‰Â°C geothermal reservoir in the North German Basin. Solid Earth, 2021, 12, 521-537.	1.2	8
6	On the comparison of strain measurements from fibre optics with a dense seismometer array at Etna volcano (Italy). Solid Earth, 2021, 12, 993-1003.	1.2	20
7	Cable reverberations during wireline distributed acoustic sensing measurements: their nature and methods for elimination. Geophysical Prospecting, 2021, 69, 1034-1054.	1.0	16
8	Dynamics of hydrological and geomorphological processes in evaporite karst at the eastern Dead SeaÂâ€“ a multidisciplinary study. Hydrology and Earth System Sciences, 2021, 25, 3351-3395.	1.9	13
9	Seismic anisotropy of Opalinus Clay: tomographic investigations using the infrastructure of an underground rock laboratory (URL). Swiss Journal of Geosciences, 2021, 114, .	0.5	5
10	Optimized experimental network design for earthquake location problems: Applications to geothermal and volcanic field seismic networks. Journal of Volcanology and Geothermal Research, 2020, 391, 106433.	0.8	8
11	Wavelet transformâ€based seismic facies classification and modelling: application to a geothermal target horizon in the NE German Basin. Geophysical Prospecting, 2020, 68, 466-482.	1.0	12
12	Local Earthquake Tomography at Los Humeros Geothermal Field (Mexico). Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020390.	1.4	9
13	Structural Evolution at the Northeast North German Basin Margin: From Initial Triassic Salt Movement to Late Cretaceousâ€Cenozoic Remobilization. Tectonics, 2020, 39, e2019TC005927.	1.3	11
14	Coherent diffraction imaging for enhanced fault and fracture network characterization. Solid Earth, 2020, 11, 1891-1907.	1.2	17
15	Fiber Optic Distributed Strain Sensing for Seismic Applications. Encyclopedia of Earth Sciences Series, 2020, , 1-5.	0.1	1
16	Subseismic pathway prediction by three-dimensional structural restoration and strain analysis based on seismic interpretation. AAPG Bulletin, 2019, 103, 2317-2342.	0.7	3
17	3-D seismic exploration across the deep geothermal research platform GroÃŸ SchÃ¶nebeck north of Berlin/Germany. Geothermal Energy, 2019, 7, .	0.9	13
18	Shear wave reflection seismic yields subsurface dissolution and subrosion patterns: application to the Ghor Al-Haditha sinkhole site, Dead Sea, Jordan. Solid Earth, 2018, 9, 1079-1098.	1.2	20

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19	Dynamic strain determination using fibre-optic cables allows imaging of seismological and structural features. Nature Communications, 2018, 9, 2509.	5.8	360
20	Geological structure and kinematics of normal faults in the Otway Basin, Australia, based on quantitative analysis of 3â€Ð seismic reflection data. Basin Research, 2017, 29, 129-148.	1.3	16
21	Restoration of the Cretaceous uplift of the Harz Mountains, North Germany: evidence for the geometry of a thick-skinned thrust. International Journal of Earth Sciences, 2017, 106, 2963-2972.	0.9	13
22	Integration of SH seismic reflection and Love-wave dispersion data for shear wave velocity determination over quick clays. Geophysical Journal International, 2017, 210, 1922-1931.	1.0	8
23	Structural analysis of S-wave seismics around an urban sinkhole: evidence of enhanced dissolution in a strike-slip fault zone. Natural Hazards and Earth System Sciences, 2017, 17, 2335-2350.	1.5	18
24	Pore-scale tomography and imaging: applications, techniques and recommended practice. Solid Earth, 2016, 7, 1141-1143.	1.2	11
25	High-resolution shear-wave seismic reflection as a tool to image near-surface subrosion structures â€“ a case study in Bad Frankenhausen, Germany. Solid Earth, 2016, 7, 1491-1508.	1.2	21
26	Preface: From orogenesis to geoscience in the service of society: the scientific legacy of Prof.ÂAndrÃ©s PÃ©rez-EstaÃºn. Solid Earth, 2016, 7, 1199-1205.	1.2	0
27	Faultâ€controlled lithospheric detachment of the volcanic southern <scp>S</scp>outh <scp>A</scp>tlantic rift. Geochemistry, Geophysics, Geosystems, 2016, 17, 887-894.	1.0	16
28	Nearâ€surface fault detection using highâ€resolution shear wave reflection seismics at the CO2CRC Otway Project site, Australia. Journal of Geophysical Research: Solid Earth, 2016, 121, 6510-6532.	1.4	19
29	Salt tectonics of the eastern border of the Leinetal Graben, Lower Saxony, Germany, as deduced from seismic reflection data. Interpretation, 2015, 3, T169-T181.	0.5	6
30	Finite-difference modelling to evaluate seismic P-wave and shear-wave field data. Solid Earth, 2015, 6, 33-47.	1.2	5
31	Seismic and Sub-seismic Deformation Prediction in the Context of Geological Carbon Trapping and Storage. Advanced Technologies in Earth Sciences, 2015, , 97-113.	0.9	10
32	Zero-Offset VSP Monitoring of CO2Storage: Impedance Inversion and Wedge Modelling at the Ketzin Pilot Site. International Journal of Geophysics, 2014, 2014, 1-15.	0.4	10
33	Fault imaging in sparsely sampled 3D seismic data using commonâ€reflectionâ€surface processing and attribute analysis â€“ a study in the Upper Rhine Graben. Geophysical Prospecting, 2014, 62, 443-452.	1.0	6
34	Asymmetry of high-velocity lower crust on the South Atlantic rifted margins and implications for the interplay of magmatism and tectonics in continental breakup. Solid Earth, 2014, 5, 1011-1026.	1.2	38
35	Strain Associated with the Fault-Parallel Flow Algorithm During Kinematic Fault Displacement. Mathematical Geosciences, 2014, 46, 59-73.	1.4	31
36	Effects of mass-wasting on the stratigraphic architecture of a fjord-valley fill: Correlation of onshore, shear-wave seismic and marine seismic data at Trondheim, Norway. Sedimentary Geology, 2013, 289, 1-18.	1.0	14

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37	Geophysical assessment and geotechnical investigation of quickâ€clay landslides â€“ a Swedish case study. Near Surface Geophysics, 2013, 11, 341-352.	0.6	66
38	Seismic imaging of sandbox experiments â€“ laboratory hardware setup and first reflection seismic sections. Solid Earth, 2013, 4, 93-104.	1.2	11
39	Shear-wave reflection seismics as a valuable tool for near-surface urban applications. The Leading Edge, 2013, 32, 256-263.	0.4	45
40	Sinkholes in the city of Hamburgâ€"New urban shear-wave reflection seismic system enables high-resolution imaging of subrosion structures. Journal of Applied Geophysics, 2012, 78, 133-143.	0.9	87
41	3-D seismic analysis of a carbonate platform in the Molasse Basin - reef distribution and internal separation with seismic attributes. Tectonophysics, 2012, 572-573, 16-25.	0.9	16
42	The crustal structure of the southern Argentine margin. Geophysical Journal International, 2012, 189, 1483-1504.	1.0	31
43	Anomalies of the Earth's total magnetic field in Germany - the first complete homogenous data set reveals new opportunities for multiscale geoscientific studies. Geophysical Journal International, 2011, 184, 1113-1118.	1.0	19
44	Estimation of depth to the bottom of magnetic sources by a modified centroid method for fractal distribution of sources: An application to aeromagnetic data in Germany. Geophysics, 2011, 76, L11-L22.	1.4	119
45	18. High-Resolution SH-Wave Seismic Reflection for Characterization of Onshore Ground Conditions in the Trondheim Harbor, Central Norway. , 2010, , 297-312.		23
46	Performance of piezoelectric transducers in terms of amplitude and waveform. Geophysics, 2009, 74, T33-T45.	1.4	21
47	Quantitative fracture prediction from seismic data. Petroleum Geoscience, 2008, 14, 369-377.	0.9	15
48	Evolution of a fault surface from 3D attribute analysis and displacement measurements. Journal of Structural Geology, 2008, 30, 690-700.	1.0	53
49	Prediction of subseismic faults and fractures: Integration of three-dimensional seismic data, three-dimensional retrodeformation, and well data on an example of deformation around an inverted fault. AAPG Bulletin, 2008, 92, 473-485.	0.7	43
50	Strain partitioning due to salt: insights from interpretation of a 3D seismic data set in the NW German Basin. Basin Research, 2007, 19, 579-597.	1.3	42
51	Crustal structure across the Colorado Basin, offshore Argentina. Geophysical Journal International, 2006, 165, 850-864.	1.0	65
52	Post-Variscan (end Carboniferous-Early Permian) basin evolution in Western and Central Europe. Geological Society Memoir, 2006, 32, 355-388.	0.9	91
53	Evaluation of controlling factors on facies distribution and evolution in an arid continental environment: an example from the Rotliegend of the NE German Basin. Geological Society Special Publication, 2003, 208, 71-94.	0.8	9
54	Basement control on oblique thrust sheet evolution: seismic imaging of the active deformation front of the Central Andes in Bolivia. Tectonophysics, 2002, 355, 23-39.	0.9	12

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55	Seismic evidence of Caledonian deformed crust and uppermost mantle structures in the northern part of the Trans-European Suture Zone, SW Baltic Sea. Tectonophysics, 2002, 360, 215-244.	0.9	46
56	Structure and quantification of processes controlling the evolution of the inverted NE-German Basin. Marine and Petroleum Geology, 2002, 19, 601-618.	1.5	48
57	The Trans-European Fault: a critical reassessment. Geological Magazine, 2001, 138, 19-29.	0.9	9
58	Tectono-sedimentary evolution of the northernmost margin of the NE German Basin between uppermost Carboniferous and Late Permian (Rotliegend). Geological Journal, 2001, 36, 19-37.	0.6	17
59	Style and evolution of salt pillows and related structures in the northern part of the Northeast German Basin. International Journal of Earth Sciences, 2000, 89, 652-664.	0.9	44
60	Geophysical constraints on exhumation mechanisms of high-pressure rocks: the Saxo-Thuringian case between the Franconian Line and Elbe Zone. Geological Society Special Publication, 2000, 179, 303-322.	0.8	21
61	Reflection seismic constraints on Paleozoic crustal structure and Moho beneath the NE German Basin. Tectonophysics, 1999, 314, 241-253.	0.9	52
62	An integrated study of the NE German Basin. Tectonophysics, 1999, 314, 285-307.	0.9	97
63	Survey provides seismic insights into an old suture zone. Eos, 1998, 79, 151-151.	0.1	17
64	Preserved Collisional Crustal Structure of the Southern Urals Revealed by Vibroseis Profiling. Science, 1996, 274, 224-226.	6.0	110
65	Detachment tectonics during Atlantic rifting: analysis and interpretation of the S reflection, the west Galicia margin. Geological Society Special Publication, 1995, 90, 93-109.	0.8	25
66	The formation of passive margins: constraints from the crustal structure and segmentation of the deep Galicia margin, Spain. Geological Society Special Publication, 1995, 90, 71-91.	0.8	37
67	Caledonian tectonics. , 0, , 303-381.		14