

Jan Å ã-lenÃ½

List of Publications by Year in descending order

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73
papers

1,939
citations

236612

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253896

43
g-index

74
all docs

74
docs citations

74
times ranked

866
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic Emission Events Interpreted in Terms of Source Directivity. Pure and Applied Geophysics, 2020, 177, 4271-4288.	0.8	6
2	An open data infrastructure for the study of anthropogenic hazards linked to georesource exploitation. Scientific Data, 2020, 7, 89.	2.4	21
3	Application of the shear-tensile source model to acoustic emissions in Westerly granite. International Journal of Rock Mechanics and Minings Sciences, 2020, 128, 104246.	2.6	22
4	Fracturing of Migmatite Monitored by Acoustic Emission and Ultrasonic Sounding. Rock Mechanics and Rock Engineering, 2019, 52, 47-59.	2.6	17
5	Acoustic Emission in a Laboratory: Mechanism of Microearthquakes Using Alternative Source Models. Journal of Geophysical Research: Solid Earth, 2018, 123, 4965-4982.	1.4	28
6	Constrained Moment Tensors: Source Models and Case Studies. Springer Natural Hazards, 2018, , 213-231.	0.1	6
7	The Mechanism of Microearthquakes Related to a Gas Storage Using Differently Constrained Source Models: A Case Study of the Hájje Location, Czech Republic. Pure and Applied Geophysics, 2017, 174, 177-195.	0.8	6
8	Seismic stability of the survey areas of potential sites for the deep geological repository of the spent nuclear fuel. Open Physics, 2017, 15, 486-493.	0.8	0
9	Shear-tensile crack as a tool for reliable estimates of the non-double-couple mechanism: West Bohemia-Vogtland earthquake 1997 swarm. Physics and Chemistry of the Earth, 2016, 95, 113-124.	1.2	14
10	Microearthquake mechanism from wave amplitudes recorded by a close-to-surface seismic array at Ocnele Mari, Romania. Geophysical Journal International, 2014, 197, 1608-1626.	1.0	7
11	Small Scale Earthquake Mechanisms Induced by Fluid Injection at the Enhanced Geothermal System Reservoir Soultz (Alsace) in 2003 using Alternative Source Models. Pure and Applied Geophysics, 2014, 171, 2783-2804.	0.8	23
12	Resolution of non-double-couple components in the seismic moment tensor using regional networks: a synthetic case study. Geophysical Journal International, 2014, 196, 1869-1877.	1.0	53
13	Disputable Non-Double-Couple Mechanisms of Several Strong Earthquakes: Second-Degree Moment Approach. Bulletin of the Seismological Society of America, 2013, 103, 2836-2849.	1.1	1
14	Source mechanisms of the 2000 earthquake swarm in the West Bohemia/Vogtland region (Central Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	21
15	Determination and uncertainty of moment tensors for microearthquakes at Okmok Volcano, Alaska. Geophysical Journal International, 2012, 190, 1689-1709.	1.0	23
16	Shear-tensile / Implosion Source Model vs. Moment Tensor - Benefit in Single-azimuth Monitoring, Cotton Valley Set-up. , 2012, , .		3
17	Moment tensors of mining tremors: Detection tool of the mode of rock-mass fracturing. , 2011, , .		0
18	Non-Double-Couple Earthquake Mechanism as an Artifact of the Point-Source Approach Applied to a Finite-Extent Focus. Bulletin of the Seismological Society of America, 2010, 100, 447-457.	1.1	15

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19	Source mechanisms of micro-earthquakes induced in a fluid injection experiment at the HDR site Soutz-sous-ForÄ³ts (Alsace) in 2003 and their temporal and spatial variations. <i>Geophysical Journal International</i> , 2010, , no-no.	1.0	17
20	Non-“double-couple mechanisms of microearthquakes induced by hydraulic fracturing. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	154
21	Resolution of Non-Double-Couple Mechanisms: Simulation of Hypocenter Mislocation and Velocity Structure Mismodeling. <i>Bulletin of the Seismological Society of America</i> , 2009, 99, 2265-2272.	1.1	78
22	Source mechanism of mining induced seismic events “ Resolution of double couple and non double couple models. <i>Tectonophysics</i> , 2008, 456, 3-15.	0.9	85
23	Non-double-couple mechanisms of microearthquakes induced during the 2000 injection experiment at the KTB site, Germany: A result of tensile faulting or anisotropy of a rock?. <i>Tectonophysics</i> , 2008, 456, 74-93.	0.9	85
24	Seismic Moment Tensor Resolution on a Local Scale: Simulated Rockburst and Mine-induced Seismic Events in the Kopanang Gold Mine, South Africa. <i>Pure and Applied Geophysics</i> , 2006, 163, 1495-1513.	0.8	31
25	Source Parameters of Weak Crustal Earthquakes of the Vrancea Region from Short-period Waveform Inversion. <i>Pure and Applied Geophysics</i> , 2005, 162, 495-513.	0.8	8
26	Amplitude ratios for complete moment tensor retrieval. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	37
27	Regional moment tensor uncertainty due to mismodeling of the crust. <i>Tectonophysics</i> , 2004, 383, 133-147.	0.9	29
28	Moment tensors of the January 1997 earthquake swarm in NW Bohemia (Czech Republic): double-couple vs. non-double-couple events. <i>Tectonophysics</i> , 2002, 356, 65-85.	0.9	41
29	Can unbiased source be retrieved from anisotropic waveforms by using an isotropic model of the medium?. <i>Tectonophysics</i> , 2002, 356, 125-138.	0.9	38
30	Moment tensor of the 1999 Dead Sea calibration shot: limitations in the isotropic source retrieval without a detailed earth model. <i>Tectonophysics</i> , 2002, 356, 157-169.	0.9	9
31	Moment Tensor Inversion of Regional Phases: Application to a Mine Collapse. , 2002, 159, 111-130.		5
32	Anomalous Behaviour of Seismic Waves at Interfaces between Anisotropic Media. <i>Studia Geophysica Et Geodaetica</i> , 2002, 46, 29-36.	0.3	1
33	Moment Tensor Inversion of Regional Phases: Application to a Mine Collapse. , 2002, , 111-130.		2
34	An array study of lithospheric structure across the Protogine zone, VÄrmland, south-central Sweden “ signs of a paleocontinental collision. <i>Tectonophysics</i> , 2001, 332, 1-21.	0.9	48
35	Point-source Parameters from Noisy Waveforms: Error Estimate by Monte-Carlo Simulation. , 2001, 158, 1639-1654.		14
36	Point-source inversion neglecting a nearby free surface: simulation of the Underground Research Laboratory, Canada. <i>Geophysical Journal International</i> , 2001, 146, 171-180.	1.0	17

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37	Approximate retrieval of the point source in anisotropic media: numerical modelling by indirect parametrization of the source. <i>Geophysical Journal International</i> , 2000, 143, 700-708.	1.0	32
38	Scenario of the January 1997 West Bohemia Earthquake Swarm. <i>Studia Geophysica Et Geodaetica</i> , 2000, 44, 491-521.	0.3	42
39	Title is missing!. <i>Studia Geophysica Et Geodaetica</i> , 2000, 44, 233-250.	0.3	40
40	Robust retrieval of a seismic point-source time function. <i>Geophysical Journal International</i> , 1999, 136, 385-394.	1.0	36
41	Title is missing!. <i>Journal of Seismology</i> , 1998, 2, 145-158.	0.6	0
42	Seismic Anisotropy and Velocity Variations in the Mantle beneath the Saxothuringicum-Moldanubicum Contact in Central Europe. <i>Pure and Applied Geophysics</i> , 1998, 151, 365.	0.8	44
43	Earthquake source parameters and their confidence regions by a genetic algorithm with a "memory"™. <i>Geophysical Journal International</i> , 1998, 134, 228-242.	1.0	53
44	Seismic Anisotropy and Velocity Variations in the Mantle beneath the Saxothuringicum-Moldanubicum Contact in Central Europe. , 1998, , 365-394.		5
45	Moment tensor rate functions from waveforms with non-homogeneous variance. <i>Geophysical Journal International</i> , 1997, 131, 767-769.	1.0	12
46	Regional structure modelling and source inversion for the 1992 Roermond earthquake. <i>Journal of Seismology</i> , 1997, 1, 321-340.	0.6	15
47	Complete moment tensor retrieval for weak events: application to orogenic and volcanic areas. <i>Tectonophysics</i> , 1996, 261, 147-163.	0.9	18
48	Inversion of shear-wave splitting parameters to retrieve three-dimensional orientation of anisotropy in continental lithosphere. <i>Physics of the Earth and Planetary Interiors</i> , 1996, 95, 277-292.	0.7	67
49	Joint interpretation of upper-mantle anisotropy based on teleseismic P-travel time delays and inversion of shear-wave splitting parameters. <i>Physics of the Earth and Planetary Interiors</i> , 1996, 95, 293-309.	0.7	56
50	Waveform inversion of weak vrancea (Romania) earthquakes. <i>Studia Geophysica Et Geodaetica</i> , 1996, 40, 367-380.	0.3	9
51	Seismic moment tensor resolution by waveform inversion of a few local noisy records-I. Synthetic tests. <i>Geophysical Journal International</i> , 1996, 126, 605-619.	1.0	55
52	Seismic moment tensor resolution by waveform inversion of a few local noisy records-II. Application to the Phlegraean Fields (Southern Italy) volcanic tremors. <i>Geophysical Journal International</i> , 1996, 126, 620-634.	1.0	22
53	Mechanisms of local earthquakes in 3-D inhomogeneous media determined by waveform inversion. <i>Geophysical Journal International</i> , 1995, 121, 459-474.	1.0	11
54	Point source moment tensor retrieval in volcanic, geothermal and orogenic areas by complete waveform inversion. <i>Journal of Applied Geophysics</i> , 1993, 30, 89-118.	0.9	3

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55	Models of seismic anisotropy in the deep continental lithosphere. <i>Physics of the Earth and Planetary Interiors</i> , 1993, 78, 167-191.	0.7	130
56	Waveform inversion for point source moment tensor retrieval with variable hypocentral depth and structural model. <i>Geophysical Journal International</i> , 1992, 109, 259-274.	1.0	110
57	Inversion of seismograms to determine simultaneously the moment tensor components and source time function for a point source buried in a horizontally layered medium. <i>Studia Geophysica Et Geodaetica</i> , 1991, 35, 166-183.	0.3	21
58	Stick-slip unstable shear failure as a source of high frequency elastic radiation. <i>Studia Geophysica Et Geodaetica</i> , 1989, 33, 322-337.	0.3	0
59	Approximative ray tracing and the accuracy of earthquake localization in media approximated by block structures. <i>Studia Geophysica Et Geodaetica</i> , 1989, 33, 164-176.	0.3	0
60	The mechanism of small mining tremors from amplitude inversion. <i>Pure and Applied Geophysics</i> , 1989, 129, 309-324.	0.8	12
61	Shallow seismic events with combined source mechanism. <i>Tectonophysics</i> , 1988, 152, 283-296.	0.9	2
62	Do some shallow earthquakes have a tensile source component?. <i>Pure and Applied Geophysics</i> , 1986, 124, 825-840.	0.8	8
63	Possible mechanism of rockbursts in coal mines. <i>Pure and Applied Geophysics</i> , 1986, 124, 841-855.	0.8	11
64	Seismic events with non-shear component: I. Shallow earthquakes with a possible tensile source component. <i>Pure and Applied Geophysics</i> , 1985, 123, 1-15.	0.8	19
65	Seismic events with non-shear component: II. Rock bursts with implosive source component. <i>Pure and Applied Geophysics</i> , 1985, 123, 17-25.	0.8	44
66	Remarks on seismic energy release related to strike slip and tensile crack mechanisms. <i>Studia Geophysica Et Geodaetica</i> , 1984, 28, 156-163.	0.3	3
67	Spatial variations of P residuals and deep structure of the European lithosphere. <i>Geophysical Journal International</i> , 1984, 79, 363-383.	1.0	75
68	Propagation velocity and radiation properties of induced tensile cracks. <i>Studia Geophysica Et Geodaetica</i> , 1983, 27, 133-142.	0.3	5
69	Source parameters for stick-slip and tensile-crack mechanisms and possibilities of their seismic discrimination. <i>Studia Geophysica Et Geodaetica</i> , 1983, 27, 143-156.	0.3	1
70	Trajectory of fault-plane-induced tensile crack in relation to the primary stress field. <i>Studia Geophysica Et Geodaetica</i> , 1982, 26, 352-360.	0.3	1
71	Velocity anisotropy and symmetry of dunite fabric. <i>Studia Geophysica Et Geodaetica</i> , 1981, 25, 231-244.	0.3	0
72	Laboratory investigations on fault plane induced tensile cracks. <i>Studia Geophysica Et Geodaetica</i> , 1981, 25, 332-342.	0.3	9

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73	Anomalous behaviour of seismic waves at an interface between anisotropic media. <i>Studia Geophysica Et Geodaetica</i> , 1981, 25, 152-159.	0.3	3