

Andrzej Kijko

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

2,096
citations

361296
20
h-index

254106
43
g-index

77
all docs

77
docs citations

77
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of the Maximum Earthquake Magnitude, m_{max} . Pure and Applied Geophysics, 2004, 161, 1655-1681.	0.8	322
2	Estimation of earthquake hazard parameters from incomplete data files. Part I. Utilization of extreme and complete catalogs with different threshold magnitudes. Bulletin of the Seismological Society of America, 1989, 79, 645-654.	1.1	234
3	Parametric-historic Procedure for Probabilistic Seismic Hazard Analysis Part I: Estimation of Maximum Regional Magnitude m_{max} . Pure and Applied Geophysics, 1998, 152, 413-442.	0.8	154
4	Modeling some empirical vertical component L_g relations. Bulletin of the Seismological Society of America, 1983, 73, 157-171.	1.1	151
5	Statistical tools for maximum possible earthquake magnitude estimation. Acta Geophysica, 2011, 59, 674-700.	1.0	125
6	Extension of the Aki-Utsu b-Value Estimator for Incomplete Catalogs. Bulletin of the Seismological Society of America, 2012, 102, 1283-1287.	1.1	80
7	An algorithm for the optimum distribution of a regional seismic network? I. Pure and Applied Geophysics, 1977, 115, 999-1009.	0.8	75
8	A probabilistic tsunami hazard assessment for the Makran subduction zone at the northwestern Indian Ocean. Natural Hazards, 2011, 56, 577-593.	1.6	73
9	Iranian earthquakes, a uniform catalog with moment magnitudes. Journal of Seismology, 2013, 17, 897-911.	0.6	72
10	Estimation of Earthquake Hazard Parameters from Incomplete Data Files. Part III. Incorporation of Uncertainty of Earthquake Occurrence Model. Bulletin of the Seismological Society of America, 2016, 106, 1210-1222.	1.1	69
11	Non-parametric Seismic Hazard in Mines. , 2001, 158, 1655-1675.		50
12	"Parametric-historic" Procedure for Probabilistic Seismic Hazard Analysis Part II: Assessment of Seismic Hazard at Specified Site. Pure and Applied Geophysics, 1999, 154, 1-22.	0.8	46
13	Maximum likelihood estimation of earthquake hazard parameters in the Aegean area from mixed data. Tectonophysics, 1991, 185, 277-294.	0.9	45
14	An algorithm for the optimum distribution of a regional seismic network ? II. An analysis of the accuracy of location of local earthquakes depending on the number of seismic stations. Pure and Applied Geophysics, 1977, 115, 1011-1021.	0.8	43
15	Short-period L_g magnitudes: Instrument, attenuation, and source effects. Bulletin of the Seismological Society of America, 1983, 73, 1835-1850.	1.1	40
16	Maximum likelihood estimation of Gutenberg-Richter b parameter for uncertain magnitude values. Pure and Applied Geophysics, 1988, 127, 573-579.	0.8	37
17	Seismotectonic Models for South Africa: Synthesis of Geoscientific Information, Problems, and the Way Forward. Seismological Research Letters, 2009, 80, 71-80.	0.8	28
18	Title is missing!. Natural Hazards, 2002, 26, 175-201.	1.6	26

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19	A New Probabilistic Seismic Hazard Analysis for the Vrancea (Romania) Seismogenic Zone. <i>Natural Hazards</i> , 2003, 29, 371-385.	1.6	24
20	The South African National Seismograph Network. <i>Seismological Research Letters</i> , 2008, 79, 203-210.	0.8	24
21	Estimation of earthquake hazard parameters for incomplete and uncertain data files. <i>Natural Hazards</i> , 1990, 3, 1-13.	1.6	23
22	Estimating the maximum possible earthquake magnitude using extreme value methodology: the Groningen case. <i>Natural Hazards</i> , 2019, 98, 1091-1113.	1.6	21
23	Triple exponential distribution, a modified model for the occurrence of large earthquakes. <i>Bulletin of the Seismological Society of America</i> , 1981, 71, 2097-2101.	1.1	20
24	A review of biophysical and socio-economic effects of unconventional oil and gas extraction – Implications for South Africa. <i>Journal of Environmental Management</i> , 2016, 184, 419-430.	3.8	17
25	Estimation of the Frequency–Magnitude Gutenberg–Richter Value without Making Assumptions on Levels of Completeness. <i>Seismological Research Letters</i> , 2017, 88, 311-318.	0.8	17
26	On Bayesian procedure for maximum earthquake magnitude estimation. <i>Research in Geophysics</i> , 2012, 2, 7.	0.7	16
27	Estimate of earthquake hazard in the Vrancea (Romania) region. <i>Pure and Applied Geophysics</i> , 1991, 136, 143-154.	0.8	15
28	More statistical tools for maximum possible earthquake magnitude estimation. <i>Acta Geophysica</i> , 2017, 65, 579-587.	1.0	15
29	Maximum Likelihood Estimation of Seismic Hazard for Sweden. <i>Natural Hazards</i> , 1993, 7, 41-57.	1.6	14
30	Probabilistic Tsunami Hazard Assessment from Incomplete and Uncertain Historical Catalogues with Application to Tsunamigenic Regions in the Pacific Ocean. <i>Pure and Applied Geophysics</i> , 2017, 174, 3065-3081.	0.8	14
31	Seismic Hazard. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 1107-1121.	0.1	13
32	Assessment of seismic hazard for the Sannio-Matiese area of Southern Italy ? A summary. <i>Natural Hazards</i> , 1989, 2, 217-228.	1.6	10
33	Space-time interaction amongst clusters of mining induced seismicity. <i>Pure and Applied Geophysics</i> , 1996, 147, 277-288.	0.8	10
34	Energetic and spatial characterization of seismicity in the Algeria–Morocco region. <i>Natural Hazards</i> , 2017, 86, 273-293.	1.6	10
35	Quantifying Seismicity Parameter Uncertainties and Their Effects on Probabilistic Seismic Hazard Analysis: A Case Study of Iran. <i>Pure and Applied Geophysics</i> , 2019, 176, 1487-1502.	0.8	10
36	An estimate of probabilistic seismic hazard for five cities in Greece by using the parametric-historic procedure. <i>Engineering Geology</i> , 2004, 72, 217-231.	2.9	9

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37	Seismic hazard parameters estimation in Spain from historical and instrumental catalogues. <i>Tectonophysics</i> , 1989, 167, 245-251.	0.9	8
38	Title is missing!. <i>Natural Hazards</i> , 2003, 30, 25-41.	1.6	8
39	First-order regional seismotectonic model for South Africa. <i>Natural Hazards</i> , 2011, 59, 383-400.	1.6	8
40	Optimum station distribution to monitor seismic activity of Teide Volcano, Tenerife, Canary Islands. <i>Journal of Volcanology and Geothermal Research</i> , 1988, 35, 195-204.	0.8	7
41	Seismic hazard assessment for the main seismogenic zones in the Eastern Alps. <i>Tectonophysics</i> , 1991, 191, 165-183.	0.9	7
42	An interim HAILCAST hail climatology for southern Africa. <i>International Journal of Climatology</i> , 2021, 41, 262-277.	1.5	7
43	Seismic risk ranking for large dams in South Africa. <i>Acta Geophysica</i> , 2011, 59, 72-90.	1.0	6
44	Statistical evaluation of seismic event location accuracy by the South African National Seismograph Network over four decades. <i>South African Journal of Geology</i> , 2016, 119, 291-304.	0.6	6
45	A GIS approach to seismic risk assessment with an application to mining-related seismicity in Johannesburg, South Africa. <i>Acta Geophysica</i> , 2017, 65, 645-657.	1.0	6
46	A comment on a modified form of the Gutenberg-Richter magnitude-frequency relation by J. Lomnitz-Adler and C. Lomnitz. <i>Bulletin of the Seismological Society of America</i> , 1982, 72, 1759-1762.	1.1	6
47	Probabilistic seismic hazard maps for the Japanese islands. <i>Soil Dynamics and Earthquake Engineering</i> , 2000, 20, 485-491.	1.9	5
48	Monitoring of unconventional oil and gas extraction and its policy implications: A case study from South Africa. <i>Energy Policy</i> , 2018, 118, 109-120.	4.2	5
49	Tsunami Hazard Assessment of Coastal South Africa Based on Mega-Earthquakes of Remote Subduction Zones. <i>Pure and Applied Geophysics</i> , 2018, 175, 1287-1304.	0.8	5
50	Comparative study of three probabilistic methods for seismic hazard analysis: case studies of Sochi and Kamchatka. <i>Natural Hazards</i> , 2019, 97, 775-791.	1.6	5
51	Bayesian inference in natural hazard analysis for incomplete and uncertain data. <i>Environmetrics</i> , 2019, 30, e2566.	0.6	5
52	A scenario approach to estimate the maximum foreseeable loss for buildings due to an earthquake in Cape Town. <i>South African Actuarial Journal</i> , 2015, 15, 1.	0.2	5
53	Optimal design of a regional seismological network for the Arab countries. <i>Pure and Applied Geophysics</i> , 1984, 122, 694-712.	0.8	4
54	Comparison and Quantitative Study of Vulnerability/Damage Curves in South Africa. <i>South African Journal of Geology</i> , 2015, 118, 335-354.	0.6	4

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55	Vulnerability mapping as a tool to manage the environmental impacts of oil and gas extraction. Royal Society Open Science, 2017, 4, 171044.	1.1	4
56	Extreme value distribution of earthquake magnitude. Physics of the Earth and Planetary Interiors, 1985, 37, 285-287.	0.7	3
57	Estimation of seismic hazard parameters in TERESA test areas. Natural Hazards, 1989, 2, 289-306.	1.6	3
58	Earthquake hazard of the northern parts of the Bohemian Massif and Western Carpathians. Natural Hazards, 1990, 3, 173-181.	1.6	3
59	Seismic hazard in East Africa: An example of the application of incomplete and uncertain data. Natural Hazards, 1991, 4, 421-430.	1.6	3
60	Estimating the maximum earthquake magnitude in the Iranian Plateau. Journal of Seismology, 2021, 25, 845-862.	0.6	3
61	A modified form of the Gutenberg-Richter magnitude-frequency relation: Maximum likelihood estimation of its parameters. Bulletin of the Seismological Society of America, 1985, 75, 319-322.	1.1	3
62	A statistical model for estimating the accuracy of event location applied to a network of Scandinavian stations. Pure and Applied Geophysics, 1982, 120, 186-196.	0.8	2
63	Seismic hazard in Fennoscandia: A regionalized study. Tectonophysics, 1993, 227, 205-213.	0.9	2
64	Estimating the Maximum Possible Earthquake Magnitude Using Extreme Value Methodology: The Groningen Case. SSRN Electronic Journal, 0, , .	0.4	2
65	Estimation Techniques for Seismic Recurrence Parameters for Incomplete Catalogues. Surveys in Geophysics, 2022, 43, 597-617.	2.1	2
66	Seismic Hazard. Encyclopedia of Earth Sciences Series, 2020, , 1-14.	0.1	1
67	Comment on "The Probabilistic Significance of Earthquake Prediction" by J. D. Collins. Bulletin of the Seismological Society of America, 1981, 71, 555-556.	1.1	1
68	A COMMENT ON "ON THE ESTIMATION OF PARAMETERS IN THE STATISTICAL PREDICTION OF EARTHQUAKES" BY SO GU KIM. Journal of Physics of the Earth, 1985, 33, 149-154.	1.4	0
69	Seismic hazard in East Africa: an example of the application of incomplete and uncertain data. Tectonophysics, 1992, 209, 311-312.	0.9	0
70	Preliminary investigation into the cause of acid mine water induced seismicity in Johannesburg. South African Journal of Geomatics, 2015, 4, 299.	0.1	0
71	Seismic Hazard. Encyclopedia of Earth Sciences Series, 2021, , 1394-1407.	0.1	0
72	Tsunami Hazard Assessment of Coastal South Africa Based on Mega-Earthquakes of Remote Subduction Zones. Pageoph Topical Volumes, 2019, , 57-74.	0.2	0

#	ARTICLE	IF	CITATIONS
73	Guest Editorial: Special Issue on "Lithosphere Dynamics and Earthquake Hazard Forecasting" Surveys in Geophysics, 0, , .	2.1	0