

# Ian G Main

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153  
papers

6,322  
citations

43  
h-index

74  
g-index

171  
ext. papers

7,097  
ext. citations

5.3  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
153	Scaling of fracture systems in geological media. <i>Reviews of Geophysics</i> , <b>2001</b> , 39, 347-383	23.1	794
152	Statistical physics, seismogenesis, and seismic hazard. <i>Reviews of Geophysics</i> , <b>1996</b> , 34, 433-462	23.1	296
151	Assessing Damage of Reinforced Concrete Beam Using $b$ -value Analysis of Acoustic Emission Signals. <i>Journal of Materials in Civil Engineering</i> , <b>2003</b> , 15, 280-286	3	290
150	Time-dependent brittle creep in Darley Dale sandstone. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		233
149	Brittle creep in basalt and its application to time-dependent volcano deformation. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 307, 71-82	5.3	168
148	Sequential growth of deformation bands in the laboratory. <i>Journal of Structural Geology</i> , <b>2000</b> , 22, 25-42,		165
147	Role of pore fluids in the generation of seismic precursors to shear fracture. <i>Nature</i> , <b>1992</b> , 359, 228-230	50.4	164
146	A damage mechanics model for power-law creep and earthquake aftershock and foreshock sequences. <i>Geophysical Journal International</i> , <b>2000</b> , 142, 151-161	2.6	155
145	A reinterpretation of the precursory seismic b-value anomaly from fracture mechanics. <i>Geophysical Journal International</i> , <b>1989</b> , 96, 131-138	2.6	146
144	Temporal variations in seismicity during quasi-static and dynamic rock failure. <i>Tectonophysics</i> , <b>1990</b> , 175, 249-268	3.1	143
143	Non-universal scaling of fracture length and opening displacement. <i>Nature</i> , <b>1994</b> , 367, 160-162	50.4	118
142	Applicability of time-to-failure analysis to accelerated strain before earthquakes and volcanic eruptions. <i>Geophysical Journal International</i> , <b>1999</b> , 139, F1-F6	2.6	107
141	OPERATIONAL EARTHQUAKE FORECASTING. State of Knowledge and Guidelines for Utilization. <i>Annals of Geophysics</i> , <b>2011</b> , 54,	1.1	85
140	Application of a modified Griffith criterion to the evolution of fractal damage during compressional rock failure. <i>Geophysical Journal International</i> , <b>1993</b> , 115, 367-380	2.6	81
139	Predicting the ultimate bending capacity of concrete beams from the Relaxation ratio Analysis of AE signals. <i>Construction and Building Materials</i> , <b>2005</b> , 19, 746-754	6.7	76
138	One slope or two? Detecting statistically significant breaks of slope in geophysical data, with application to fracture scaling relationships. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 2801-2804	4.9	76
137	Numerical simulation of wave propagation in media with discrete distributions of fractures: effects of fracture sizes and spatial distributions. <i>Geophysical Journal International</i> , <b>2003</b> , 152, 649-668	2.6	75

136	Comparison of polarity and moment tensor inversion methods for source analysis of acoustic emission data. <i>International Journal of Rock Mechanics and Minings Sciences</i> , <b>2010</b> , 47, 161-169	6	70
135	Temporal variations in seismic event rate and b-values from stress corrosion constitutive laws. <i>Tectonophysics</i> , <b>1992</b> , 211, 233-246	3.1	69
134	Heterogeneity: The key to failure forecasting. <i>Scientific Reports</i> , <b>2015</b> , 5, 13259	4.9	68
133	A comparison of seismic and structural measurements of scaling exponents during tensile subcritical crack growth. <i>Journal of Structural Geology</i> , <b>1993</b> , 15, 1485-1495	3	68
132	Origin and nonuniversality of the earthquake interevent time distribution. <i>Physical Review Letters</i> , <b>2009</b> , 102, 168501	7.4	67
131	Apparent Breaks in Scaling in the Earthquake Cumulative Frequency-Magnitude Distribution: Fact or Artifact?. <i>Bulletin of the Seismological Society of America</i> , <b>2000</b> , 90, 86-97	2.3	61
130	Spatial variations of the fractal properties of seismicity in the Anatolian fault zones. <i>Tectonophysics</i> , <b>1996</b> , 257, 189-202	3.1	61
129	Scattering attenuation and the fractal geometry of fracture systems. <i>Pure and Applied Geophysics</i> , <b>1990</b> , 133, 283-304	2.2	61
128	Forecasting volcanic eruptions and other material failure phenomena: An evaluation of the failure forecast method. <i>Geophysical Research Letters</i> , <b>2011</b> , 38,	4.9	59
127	Shear-wave anisotropy: spatial and temporal variations in time delays at Parkfield, Central California. <i>Geophysical Journal International</i> , <b>1997</b> , 130, 771-785	2.6	59
126	Anomalous stress diffusion in earthquake triggering: Correlation length, time dependence, and directionality. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		59
125	Rupture cascades in a discrete element model of a porous sedimentary rock. <i>Physical Review Letters</i> , <b>2014</b> , 112, 065501	7.4	56
124	Influence of confining pressure on the mechanical and structural evolution of laboratory deformation bands. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 49-1-49-4	4.9	56
123	Stress corrosion constitutive laws as a possible mechanism of intermediate-term and short-term seismic quiescence. <i>Geophysical Journal International</i> , <b>2007</b> , 107, 363-372	2.6	53
122	Damage mechanics with long-range interactions: correlation between the seismic b-value and the fractal two-point correlation dimension. <i>Geophysical Journal International</i> , <b>1992</b> , 111, 531-541	2.6	53
121	Are volcanic seismic b-values high, and if so when?. <i>Journal of Volcanology and Geothermal Research</i> , <b>2015</b> , 308, 127-141	2.8	52
120	Challenges for forecasting based on accelerating rates of earthquakes at volcanoes and laboratory analogues. <i>Geophysical Journal International</i> , <b>2011</b> , 185, 718-723	2.6	52
119	A constitutive law for low-temperature creep of water-saturated sandstones. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 21811-21826		52

118	Earthquakes as critical phenomena: Implications for probabilistic seismic hazard analysis. <i>Bulletin of the Seismological Society of America</i> , <b>1995</b> , 85, 1299-1308	2.3	49
117	A modified Griffith criterion for the evolution of damage with a fractal distribution of crack lengths: application to seismic event rates and b-values. <i>Geophysical Journal International</i> , <b>2007</b> , 107, 353-362	2.6	48
116	Hydromechanical Behavior of Fractured Rocks. <i>International Geophysics</i> , <b>2004</b> , 363-421		46
115	Relating flow channelling to tracer dispersion in heterogeneous networks. <i>Advances in Water Resources</i> , <b>2004</b> , 27, 843-855	4.7	45
114	Fault sealing during deformation-band growth in porous sandstone. <i>Geology</i> , <b>2000</b> , 28, 1131	5	45
113	The limits of predictability of volcanic eruptions from accelerating rates of earthquakes. <i>Geophysical Journal International</i> , <b>2013</b> , 194, 1541-1553	2.6	44
112	Approach to failure in porous granular materials under compression. <i>Physical Review E</i> , <b>2013</b> , 88, 062207	2.4	43
111	Entropy, energy, and proximity to criticality in global earthquake populations. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 25-1	4.9	43
110	Seismicity in north-eastern Brazil: fractal clustering and the evolution of the b-value. <i>Geophysical Journal International</i> , <b>1994</b> , 116, 217-226	2.6	41
109	Strain rate and temperature dependence of Omori law scaling constants of AE data: Implications for earthquake foreshock-aftershock sequences. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	39
108	Classification of earthquake precursors from a fracture mechanics model. <i>Tectonophysics</i> , <b>1989</b> , 167, 273-283	3.1	37
107	Statistical analysis of daily seismic event rate as a precursor to volcanic eruptions. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	36
106	The evolution of seismicity at Parkfield: observation, experiment and a fracture-mechanical interpretation. <i>Journal of Structural Geology</i> , <b>1992</b> , 14, 905-913	3	36
105	Statistical evaluation of characteristic earthquakes in the frequency-magnitude distributions of Sumatra and other subduction zone regions. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	35
104	Dual simulations of fluid flow and seismic wave propagation in a fractured network: effects of pore pressure on seismic signature. <i>Geophysical Journal International</i> , <b>2006</b> , 166, 825-838	2.6	33
103	Entropy production and self-organized (sub)criticality in earthquake dynamics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2010</b> , 368, 131-44	3	32
102	3-D structure of the lithosphere in the Aegean region. <i>Geophysical Journal International</i> , <b>1990</b> , 102, 219-229		32
101	Does an inter-flaw length control the accuracy of rupture forecasting in geological materials?. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 475, 181-189	5.3	31

100	Experimental constraints on the diagenetic self-sealing capacity of faults in high porosity rocks. <i>Earth and Planetary Science Letters</i> , <b>2000</b> , 183, 187-199	5.3	31
99	A characteristic earthquake model of the seismicity preceding the eruption of Mount St. Helens on 18 May 1980. <i>Physics of the Earth and Planetary Interiors</i> , <b>1987</b> , 49, 283-293	2.3	31
98	Acceleration and localization of subcritical crack growth in a natural composite material. <i>Physical Review E</i> , <b>2014</b> , 90, 052401	2.4	30
97	Effect of the Sumatran mega-earthquake on the global magnitude cut-off and event rate. <i>Nature Geoscience</i> , <b>2008</b> , 1, 142-142	18.3	30
96	A Poisson model for earthquake frequency uncertainties in seismic hazard analysis. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	30
95	Seismotectonics and the earthquake frequency-magnitude distribution in the Aegean area. <i>Geophysical Journal International</i> , <b>1989</b> , 98, 575-586	2.6	30
94	Predicting mining collapse: Superjerks and the appearance of record-breaking events in coal as collapse precursors. <i>Physical Review E</i> , <b>2017</b> , 96, 023004	2.4	29
93	Correlation of microseismic and chemical properties of brittle deformation in Locharbriggs sandstone. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		29
92	Microseismic properties of a homogeneous sandstone during fault nucleation and frictional sliding. <i>Geophysical Journal International</i> , <b>1994</b> , 119, 219-230	2.6	29
91	Earthquake scaling. <i>Nature</i> , <b>1992</b> , 357, 27-28	50.4	29
90	Numerical simulation of wave propagation in 2-D fractured media: scattering attenuation at different stages of the growth of a fracture population. <i>Geophysical Journal International</i> , <b>2007</b> , 171, 865-880	2.6	28
89	A Poisson model for identifying characteristic size effects in frequency data: Application to frequency-size distributions for global earthquakes, earthquakes and fault lengths. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 13473-13484		28
88	The nucleation and rupture process of the 1981 Gulf of Corinth earthquakes from deconvolved broad-band data. <i>Geophysical Journal International</i> , <b>1995</b> , 120, 393-405	2.6	27
87	Long-term earthquake recurrence constrained by tectonic seismic moment release rates. <i>Bulletin of the Seismological Society of America</i> , <b>1986</b> , 76, 297-304	2.3	27
86	P-wave attenuation anisotropy in fractured media: A seismic physical modelling study. <i>Geophysical Prospecting</i> , <b>2013</b> , 61, 420-433	1.9	26
85	Maximum earthquake magnitudes in the Aegean area constrained by tectonic moment release rates. <i>Geophysical Journal International</i> , <b>2003</b> , 152, 94-112	2.6	26
84	Numerical simulation of seismicity due to fluid injection in a brittle poroelastic medium. <i>Geophysical Journal International</i> , <b>1999</b> , 139, 263-272	2.6	26
83	Temporal variations in the fractal properties of seismicity in the North Anatolian Fault Zone between 31°E and 41°E. <i>Pure and Applied Geophysics</i> , <b>1996</b> , 147, 147-159	2.2	26

82	Constraints on the frequency-magnitude relation and maximum magnitudes in the UK from observed seismicity and glacio-isostatic recovery rates. <i>Geophysical Journal International</i> , <b>2002</b> , 137, 535-550	2.6	25
81	Statistical physics of earthquakes: Comparison of distribution exponents for source area and potential energy and the dynamic emergence of log-periodic energy quanta. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 6105-6126		25
80	A statistical evaluation of a stress-forecast earthquake. <i>Geophysical Journal International</i> , <b>2004</b> , 157, 187-193	2.6	23
79	Strength characteristics and shear acoustic anisotropy of rock core subjected to true triaxial compression. <i>International Journal of Rock Mechanics and Mining Sciences</i> , <b>1995</b> , 32, 189-200		22
78	A fracture-mechanical cellular automaton model of seismicity. <i>Pure and Applied Geophysics</i> , <b>1994</b> , 142, 545-565	2.2	22
77	One-dimensional fluid diffusion induced by constant-rate flow injection: Theoretical analysis and application to the determination of fluid permeability and specific storage of a cored rock sample. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		21
76	A simple fracture-mechanical model for the evolution of seismicity. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 365-368	4.9	21
75	Influence of fractal flaw distributions on rock deformation in the brittle field. <i>Geological Society Special Publication</i> , <b>1990</b> , 54, 81-96	1.7	21
74	Convergence of the frequency-size distribution of global earthquakes. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 2585-2589	4.9	20
73	Temporal variations of the fractal properties of seismicity in the western part of the north Anatolian fault zone: possible artifacts due to improvements in station coverage. <i>Nonlinear Processes in Geophysics</i> , <b>1995</b> , 2, 147-157	2.9	20
72	Fault gouge diagenesis at shallow burial depth: Solution-precipitation reactions in well-sorted and poorly sorted powders of crushed sandstone. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 243, 607-614	5.3	19
71	The dilatancy-diffusion hypothesis and earthquake predictability. <i>Geological Society Special Publication</i> , <b>2012</b> , 367, 215-230	1.7	18
70	Application of complementary methods for more robust characterization of sandstone cores. <i>Marine and Petroleum Geology</i> , <b>2009</b> , 26, 39-56	4.7	18
69	Physical links between crustal deformation, seismic moment and seismic hazard for regions of varying seismicity. <i>Geophysical Journal International</i> , <b>1984</b> , 79, 469-488	2.6	17
68	Maximum entropy production and earthquake dynamics. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	16
67	Masking of earthquake triggering behavior by a high background rate and implications for epidemic-type aftershock sequence inversions. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		15
66	Comment on Relationship between accelerating seismicity and quiescence, two precursors to large earthquakes by Arnaud Mignan and Rita Di Giovambattista. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	15
65	Regional variations in the diffusion of triggered seismicity. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		15

64	The thermal evolution of sedimentary basins and its effect on the maturation of hydrocarbons. <i>Geophysical Journal International</i> , <b>1999</b> , 139, 248-260	2.6	15
63	On the resolving power of tomographic images in the Aegean area. <i>Geophysical Journal International</i> , <b>1991</b> , 107, 197-203	2.6	15
62	Moment magnitude scaling in the Aegean area. <i>Tectonophysics</i> , <b>1990</b> , 179, 273-285	3.1	15
61	Influence of open and sealed fractures on fluid flow and water saturation in sandstone cores using Magnetic Resonance Imaging. <i>Geophysical Journal International</i> , <b>2001</b> , 147, 263-271	2.6	14
60	A cellular automaton fracture model: the influence of heterogeneity in the failure process. <i>Journal of Structural Geology</i> , <b>1996</b> , 18, 343-348	3	14
59	Volcanic Eruption Forecasts From Accelerating Rates of Drumbest Long-Period Earthquakes. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1339-1348	4.9	13
58	Experimental constraints on the mechanical and hydraulic properties of deformation bands in porous sandstones: a review. <i>Geological Society Special Publication</i> , <b>2001</b> , 186, 43-63	1.7	13
57	Catastrophic Failure: How and When? Insights From 4-D In Situ X-ray Microtomography. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2020JB019642	3.6	12
56	Mode switching in volcanic seismicity: El Hierro 2011-2013. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4288-4296	4.9	12
55	Time evolution of damage due to environmentally assisted aging in a fiber bundle model. <i>Physical Review E</i> , <b>2013</b> , 88, 032802	2.4	12
54	Hydromechanical behaviour of fine-grained calcilutite and fault gouge from the Aigion Fault Zone, Greece. <i>Comptes Rendus - Geoscience</i> , <b>2004</b> , 336, 445-454	1.4	12
53	A lattice BGK model for the diffusion of pore fluid pressure, including anisotropy, heterogeneity, and gravity effects. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 13-16	4.9	12
52	On the threshold of flow in a tight natural rock. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	11
51	Loading rate dependence of permeability evolution in porous aeolian sandstones. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		11
50	Long-range, critical-point dynamics in oil field flow rate data. <i>Geophysical Research Letters</i> , <b>2006</b> , 33, n/a-n/a	4.9	10
49	Self-organised criticality and fluid-rock interactions in the brittle field. <i>Pure and Applied Geophysics</i> , <b>1994</b> , 142, 529-543	2.2	10
48	Record-breaking events during the compressive failure of porous materials. <i>Physical Review E</i> , <b>2016</b> , 93, 033006	2.4	9
47	Extreme events and predictability of catastrophic failure in composite materials and in the Earth. <i>European Physical Journal: Special Topics</i> , <b>2012</b> , 205, 183-197	2.3	9

46	Digital rock physics in four dimensions: simulating cementation and its effect on seismic velocity. <i>Geophysical Journal International</i> , <b>2020</b> , 222, 1606-1619	2.6	8
45	Fragmentation and shear band formation by slow compression of brittle porous media. <i>Physical Review E</i> , <b>2016</b> , 94, 053003	2.4	8
44	Complexity and Extreme Events in Geosciences: An Overview. <i>Geophysical Monograph Series</i> , <b>2012</b> , 1-16	1.1	8
43	Quantifying uncertainty in mean earthquake interevent times for a finite sample. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		8
42	The Statistical Reservoir Model: calibrating faults and fractures, and predicting reservoir response to water flood. <i>Geological Society Special Publication</i> , <b>2007</b> , 292, 469-482	1.7	8
41	Coupled geomechanics flow modelling at and below a critical stress state used to investigate common statistical properties of field production data. <i>Geological Society Special Publication</i> , <b>2007</b> , 292, 453-468	1.7	8
40	Perceptible earthquakes in the broad Aegean area. <i>Tectonophysics</i> , <b>2003</b> , 371, 175-186	3.1	8
39	Modeling seismic wave propagation during fluid injection in a fractured network: Effects of pore fluid pressure on time-lapse seismic signatures. <i>The Leading Edge</i> , <b>2004</b> , 23, 778-783	1	8
38	Probabilistic identification of earthquake clusters using rescaled nearest neighbour distance networks. <i>Geophysical Journal International</i> , <b>2019</b> , 217, 487-503	2.6	8
37	Coda Wave Interferometry for Accurate Simultaneous Monitoring of Velocity and Acoustic Source Locations in Experimental Rock Physics. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 5629-5655	3.6	7
36	Induced seismicity at the UK Hot dry rock test site for geothermal energy production. <i>Geophysical Journal International</i> , <b>2018</b> , 214, 331-344	2.6	7
35	Observation and modeling of the suction pump effect during rapid dilatant slip. <i>Geophysical Research Letters</i> , <b>2003</b> , 30, n/a-n/a	4.9	7
34	The use of the CAPE Environment in the simulation of rock fracturing. <i>Concurrency and Computation: Practice and Experience</i> , <b>1991</b> , 3, 687-698		7
33	Seismic Risk and the North Sea <b>1983</b> , 347-364		7
32	Statistical Modeling of the 1997-1998 Colfiorito Earthquake Sequence: Locating a Stationary Solution within Parameter Uncertainty. <i>Bulletin of the Seismological Society of America</i> , <b>2014</b> , 104, 885-897	3.3	6
31	Cell scale self-organisation in the OFC model for earthquake dynamics. <i>European Physical Journal B</i> , <b>2008</b> , 64, 139-146	1.2	6
30	Laboratory measurement of hydrodynamic saline dispersion within a micro-fracture network induced in granite. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 260, 407-418	5.3	6
29	Quasi-static modelling of stress histories during the earthquake cycle: precursory seismic and aseismic stress release. <i>Geophysical Journal International</i> , <b>1990</b> , 102, 195-203	2.6	6



28	Earthquake clustering in modern seismicity and its relationship with strong historical earthquakes around Beijing, China. <i>Geophysical Journal International</i> , <b>2017</b> , 211, 1005-1018	2.6	5
27	Emergent patterns of localized damage as a precursor to catastrophic failure in a random fuse network. <i>Physical Review E</i> , <b>2013</b> , 87, 042811	2.4	5
26	Low-cost Monitoring of Inter-well Reservoir Communication Paths Through Correlations in Well Rate Fluctuations: Case Studies from Mature Fields in the North Sea <b>2010</b> ,		5
25	Model selection and uncertainty in earthquake hazard analysis <b>2011</b> , 735-743		5
24	Fault sealing during deformation-band growth in porous sandstone. <i>Geology</i> , <b>2000</b> , 28, 1131-1134	5	4
23	Impact of recycling and lateral sediment input on grain size fining trends Implications for reconstructing tectonic and climate forcings in ancient sedimentary systems. <i>Basin Research</i> , <b>2019</b> , 31, 866-891	3.2	4
22	Geological repositories: scientific priorities and potential high-technology transfer from the space and physics sectors. <i>Mineralogical Magazine</i> , <b>2015</b> , 79, 1651-1664	1.7	3
21	eScience Gateway Stimulating Collaboration in Rock Physics and Volcanology <b>2014</b> ,		3
20	How Glaciers Set a Table. <i>Physics Magazine</i> , <b>2013</b> , 6,	1.1	3
19	A two-layer attenuation model for the upper mantle at short periods. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 2561-2564	4.9	3
18	Three-dimensional structure and constraints on the nature of the coupled subduction-spreading process in the Aegean area. <i>Tectonophysics</i> , <b>1992</b> , 201, 199-207	3.1	3
17	Source mechanisms of recent earthquakes in the Hellenic arc from broadband data. <i>Tectonophysics</i> , <b>1991</b> , 200, 233-248	3.1	3
16	Effects of CO <sub>2</sub> on P-wave attenuation in porous media with micro-cracks: A synthetic modelling study. <i>Journal of Applied Geophysics</i> , <b>2016</b> , 135, 309-316	1.7	2
15	Detection of change points in underlying earthquake rates, with application to global mega-earthquakes. <i>Geophysical Journal International</i> , <b>2015</b> ,	2.6	2
14	Damage growth in fibre bundle models with localized load sharing and environmentally-assisted ageing. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 410, 012064	0.3	2
13	Reply to Comment on Entropy, energy, and proximity to criticality in global earthquake populations by Chien-chih Chen and Chun-Ling Chang. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	2
12	Effect of disorder on the spatial structure of damage in slowly compressed porous rocks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 377,	3	1
11	Seismic attenuation in fractured porous media: insights from a hybrid numerical and analytical model. <i>Journal of Geophysics and Engineering</i> , <b>2015</b> , 12, 210-219	1.3	1

10	Crackling Noise in Digital and Real Rocks—Implications for Forecasting Catastrophic Failure in Porous Granular Media. <i>Understanding Complex Systems</i> , <b>2017</b> , 77-97	0.4	1
9	Frontiers of Seismology. <i>Astronomy and Geophysics</i> , <b>2009</b> , 50, 4.31-4.34	0.2	1
8	Source parameters of earthquakes in the Aleutian Islands subduction zone. <i>Geophysical Journal International</i> , <b>1995</b> , 120, 419-432	2.6	1
7	FAULTS IN FOCUS. <i>Terra Nova</i> , <b>1995</b> , 7, 4-6	3	1
6	Data-Driven Optimization of Seismicity Models Using Diverse Data Sets: Generation, Evaluation, and Ranking Using Inlabru. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2020JB020226	3.6	1
5	Scale-model seismicity—Making the rough with the smooth. <i>Geology</i> , <b>2017</b> , 45, 859-860	5	
4	Correlation Between Microstructure and Flow Behavior in Porous Sandstones. <i>Petroleum Science and Technology</i> , <b>2009</b> , 27, 511-529	1.4	
3	Seismic tomography and mantle circulation Eds O’Nions, R. K. & Parsons, B., Royal Society of London Special Publication, 1989, ISBN 0854 033823.. <i>Geophysical Journal International</i> , <b>1990</b> , 102, 757-758	2.6	
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