

Ian G Main

List of Publications by Year in descending order

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161
papers

8,054
citations

50276

46
h-index

53230

85
g-index

171
all docs

171
docs citations

171
times ranked

4644
citing authors

#	ARTICLE	IF	CITATIONS
1	Volcanic Eruptions, Real-Time Forecasting of. , 2021, , 1-16.		4
2	Data-Driven Optimization of Seismicity Models Using Diverse Data Sets: Generation, Evaluation, and Ranking Using Inlabru. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020226.	3.4	10
3	Frontiers of seismology. Astronomy and Geophysics, 2020, 61, 4.29-4.35.	0.2	0
4	Digital rock physics in four dimensions: simulating cementation and its effect on seismic velocity. Geophysical Journal International, 2020, 222, 1606-1619.	2.4	11
5	Catastrophic Failure: How and When? Insights From 4D In Situ X-ray Microtomography. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019642.	3.4	33
6	Coda Wave Interferometry for Accurate Simultaneous Monitoring of Velocity and Acoustic Source Locations in Experimental Rock Physics. Journal of Geophysical Research: Solid Earth, 2019, 124, 5629-5655.	3.4	17
7	Effect of disorder on the spatial structure of damage in slowly compressed porous rocks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20170393.	3.4	7
8	Impact of recycling and lateral sediment input on grain size fining trends—Implications for reconstructing tectonic and climate forcings in ancient sedimentary systems. Basin Research, 2019, 31, 866-891.	2.7	8
9	Probabilistic identification of earthquake clusters using rescaled nearest neighbour distance networks. Geophysical Journal International, 2019, 217, 487-503.	2.4	15
10	Volcanic Eruption Forecasts From Accelerating Rates of Drumbest Long-Period Earthquakes. Geophysical Research Letters, 2018, 45, 1339-1348.	4.0	22
11	Induced seismicity at the UK “hot dry rock” test site for geothermal energy production. Geophysical Journal International, 2018, 214, 331-344.	2.4	16
12	Accurate estimates of simultaneous seismic velocity changes and interfracture-source distances from coda wave interferometry. , 2018, , .		0
13	Earthquake clustering in modern seismicity and its relationship with strong historical earthquakes around Beijing, China. Geophysical Journal International, 2017, 211, 1005-1018.	2.4	10
14	Predicting mining collapse: Superjerks and the appearance of record-breaking events in coal as collapse precursors. Physical Review E, 2017, 96, 023004.	2.1	38
15	Does an inter-flaw length control the accuracy of rupture forecasting in geological materials?. Earth and Planetary Science Letters, 2017, 475, 181-189.	4.4	39
16	Crackling Noise in Digital and Real Rocks—Implications for Forecasting Catastrophic Failure in Porous Granular Media. Understanding Complex Systems, 2017, , 77-97.	0.6	1
17	Scale-model seismicity—Taking the rough with the smooth. Geology, 2017, 45, 859-860.	4.4	0
18	The Geology and Landscapes of Scotland. Scottish Affairs, 2017, 26, 266-267.	0.3	0

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19	Record-breaking events during the compressive failure of porous materials. <i>Physical Review E</i> , 2016, 93, 033006.	2.1	11
20	Fragmentation and shear band formation by slow compression of brittle porous media. <i>Physical Review E</i> , 2016, 94, 053003.	2.1	12
21	Effects of CO ₂ on P-wave attenuation in porous media with micro-cracks: A synthetic modelling study. <i>Journal of Applied Geophysics</i> , 2016, 135, 309-316.	2.1	4
22	Mode switching in volcanic seismicity: El Hierro 2011–2013. <i>Geophysical Research Letters</i> , 2016, 43, 4288-4296.	4.0	17
23	Heterogeneity: The key to failure forecasting. <i>Scientific Reports</i> , 2015, 5, 13259.	3.3	94
24	Geological repositories: scientific priorities and potential high-technology transfer from the space and physics sectors. <i>Mineralogical Magazine</i> , 2015, 79, 1651-1664.	1.4	3
25	Detection of change points in underlying earthquake rates, with application to global mega-earthquakes. <i>Geophysical Journal International</i> , 2015, , .	2.4	3
26	Are volcanic seismic b -values high, and if so when?. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 308, 127-141.	2.1	76
27	Seismic attenuation in fractured porous media: insights from a hybrid numerical and analytical model. <i>Journal of Geophysics and Engineering</i> , 2015, 12, 210-219.	1.4	2
28	Volcanic Eruptions, Real-Time Forecasting of. , 2015, , 3892-3906.		1
29	eScience Gateway Stimulating Collaboration in Rock Physics and Volcanology. , 2014, , .		3
30	Acceleration and localization of subcritical crack growth in a natural composite material. <i>Physical Review E</i> , 2014, 90, 052401.	2.1	47
31	Rupture Cascades in a Discrete Element Model of a Porous Sedimentary Rock. <i>Physical Review Letters</i> , 2014, 112, 065501.	7.8	62
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> , 2014, 104, 885-897.	2.3	9
33	P-wave attenuation anisotropy in fractured media: A seismic physical modelling study. <i>Geophysical Prospecting</i> , 2013, 61, 420-433.	1.9	39
34	Approach to failure in porous granular materials under compression. <i>Physical Review E</i> , 2013, 88, 062207.	2.1	55
35	The limits of predictability of volcanic eruptions from accelerating rates of earthquakes. <i>Geophysical Journal International</i> , 2013, 194, 1541-1553.	2.4	53
36	Convergence of the frequency–size distribution of global earthquakes. <i>Geophysical Research Letters</i> , 2013, 40, 2585-2589.	4.0	25

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37	Emergent patterns of localized damage as a precursor to catastrophic failure in a random fuse network. <i>Physical Review E</i> , 2013, 87, 042811.	2.1	6
38	Time evolution of damage due to environmentally assisted aging in a fiber bundle model. <i>Physical Review E</i> , 2013, 88, 032802.	2.1	12
39	Little Earthquakes in the Lab. <i>Physics Magazine</i> , 2013, 6, .	0.1	3
40	Damage growth in fibre bundle models with localized load sharing and environmentally-assisted ageing. <i>Journal of Physics: Conference Series</i> , 2013, 410, 012064.	0.4	3
41	Complexity and Extreme Events in Geosciences: An Overview. <i>Geophysical Monograph Series</i> , 2012, , 1-16.	0.1	9
42	The dilatancyâ€“diffusion hypothesis and earthquake predictability. <i>Geological Society Special Publication</i> , 2012, 367, 215-230.	1.3	23
43	On the threshold of flow in a tight natural rock. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	17
44	Extreme events and predictability of catastrophic failure in composite materials and in the Earth. <i>European Physical Journal: Special Topics</i> , 2012, 205, 183-197.	2.6	12
45	Reply to "Comment on 'Operational Earthquake Forecasting: Status of Knowledge and Guidelines for Implementation by Jordan et al. [2011]' by Stuart Crampin". <i>Annals of Geophysics</i> , 2012, 55, .	1.0	0
46	Masking of earthquake triggering behavior by a high background rate and implications for epidemic-type aftershock sequence inversions. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	21
47	Forecasting volcanic eruptions and other material failure phenomena: An evaluation of the failure forecast method. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	77
48	Brittle creep in basalt and its application to time-dependent volcano deformation. <i>Earth and Planetary Science Letters</i> , 2011, 307, 71-82.	4.4	206
49	Challenges for forecasting based on accelerating rates of earthquakes at volcanoes and laboratory analogues. <i>Geophysical Journal International</i> , 2011, 185, 718-723.	2.4	63
50	Model selection and uncertainty in earthquake hazard analysis. , 2011, , 735-743.		6
51	OPERATIONAL EARTHQUAKE FORECASTING. State of Knowledge and Guidelines for Utilization. <i>Annals of Geophysics</i> , 2011, 54, .	1.0	175
52	Low-cost Monitoring of Inter-well Reservoir Communication Paths Through Correlations in Well Rate Fluctuations: Case Studies from Mature Fields in the North Sea. , 2010, , .		10
53	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> , 2010, 47, 161-169.	5.8	98
54	Entropy production and self-organized (sub)criticality in earthquake dynamics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 131-144.	3.4	38

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55	Origin and Nonuniversality of the Earthquake Interevent Time Distribution. <i>Physical Review Letters</i> , 2009, 102, 168501.	7.8	90
56	Correlation Between Microstructure and Flow Behavior in Porous Sandstones. <i>Petroleum Science and Technology</i> , 2009, 27, 511-529.	1.5	0
57	Frontiers of Seismology. <i>Astronomy and Geophysics</i> , 2009, 50, 4.31-4.34.	0.2	1
58	Application of complementary methods for more robust characterization of sandstone cores. <i>Marine and Petroleum Geology</i> , 2009, 26, 39-56.	3.3	22
59	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> , 2009, 36, .	4.0	16
60	Statistical evaluation of characteristic earthquakes in the frequency-magnitude distributions of Sumatra and other subduction zone regions. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	37
61	Time-dependent brittle creep in Darley Dale sandstone. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	288
62	Quantifying uncertainty in mean earthquake interevent times for a finite sample. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	11
63	Cell scale self-organisation in the OFC model for earthquake dynamics. <i>European Physical Journal B</i> , 2008, 64, 139-146.	1.5	7
64	Effect of the Sumatran mega-earthquake on the global magnitude cut-off and event rate. <i>Nature Geoscience</i> , 2008, 1, 142-142.	12.9	34
65	A Poisson model for earthquake frequency uncertainties in seismic hazard analysis. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	36
66	Maximum entropy production and earthquake dynamics. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	18
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73	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> , 2007, 171, 865-880.	2.4	37
74	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> , 2006, 243, 607-614.	4.4	20
75	Long-range, critical-point dynamics in oil field flow rate data. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	12
76	Scale in structure and dynamics. <i>Astronomy and Geophysics</i> , 2006, 47, 6.24-6.25.	0.2	0
77	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> , 2006, 166, 825-838.	2.4	44
78	A hand on the aftershock trigger. <i>Nature</i> , 2006, 441, 704-705.	27.8	11
79	Predicting the ultimate bending capacity of concrete beams from the "relaxation ratio" analysis of AE signals. <i>Construction and Building Materials</i> , 2005, 19, 746-754.	7.2	88
80	Regional variations in the diffusion of triggered seismicity. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	17
81	A statistical evaluation of a "stress-forecast" earthquake. <i>Geophysical Journal International</i> , 2004, 157, 187-193.	2.4	33
82	Relating flow channelling to tracer dispersion in heterogeneous networks. <i>Advances in Water Resources</i> , 2004, 27, 843-855.	3.8	49
83	Hydromechanical Behavior of Fractured Rocks. <i>International Geophysics</i> , 2004, , 363-421.	0.6	55
84	Loading rate dependence of permeability evolution in porous aeolian sandstones. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	15
85	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> , 2004, 109, .	3.3	24
86	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> , 2004, 31, n/a-n/a.	4.0	4
87	Strain rate and temperature dependence of Omori law scaling constants of AE data: Implications for earthquake foreshock-aftershock sequences. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	48
88	Hydromechanical behaviour of fine-grained calcilutite and fault gouge from the Aigion Fault Zone, Greece. <i>Comptes Rendus - Geoscience</i> , 2004, 336, 445-454.	1.2	13
89	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> , 2004, 23, 778-783.	0.7	8
90	Maximum earthquake magnitudes in the Aegean area constrained by tectonic moment release rates. <i>Geophysical Journal International</i> , 2003, 152, 94-112.	2.4	29

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91	Numerical simulation of wave propagation in media with discrete distributions of fractures: effects of fracture sizes and spatial distributions. <i>Geophysical Journal International</i> , 2003, 152, 649-668.	2.4	95
92	Assessing Damage of Reinforced Concrete Beam Using α -value Analysis of Acoustic Emission Signals. <i>Journal of Materials in Civil Engineering</i> , 2003, 15, 280-286.	2.9	396
93	Anomalous stress diffusion in earthquake triggering: Correlation length, time dependence, and directionality. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	71
94	Observation and modeling of the suction pump effect during rapid dilatant slip. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	11
95	Correlation of microseismic and chemical properties of brittle deformation in Lochaber sandstone. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	31
96	Statistical analysis of daily seismic event rate as a precursor to volcanic eruptions. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	43
97	Perceptible earthquakes in the broad Aegean area. <i>Tectonophysics</i> , 2003, 371, 175-186.	2.2	9
98	Influence of confining pressure on the mechanical and structural evolution of laboratory deformation bands. <i>Geophysical Research Letters</i> , 2002, 29, 49-1-49-4.	4.0	73
99	Entropy, energy, and proximity to criticality in global earthquake populations. <i>Geophysical Research Letters</i> , 2002, 29, 25-1.	4.0	55
100	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> , 2002, 137, 535-550.	2.4	32
101	Scaling of fracture systems in geological media. <i>Reviews of Geophysics</i> , 2001, 39, 347-383.	23.0	1,047
102	A constitutive law for low-temperature creep of water-saturated sandstones. <i>Journal of Geophysical Research</i> , 2001, 106, 21811-21826.	3.3	67
103	A Poisson model for identifying characteristic size effects in frequency data: Application to frequency-size distributions for global earthquakes, α -starquakes, and fault lengths. <i>Journal of Geophysical Research</i> , 2001, 106, 13473-13484.	3.3	35
104	Influence of open and sealed fractures on fluid flow and water saturation in sandstone cores using Magnetic Resonance Imaging. <i>Geophysical Journal International</i> , 2001, 147, 263-271.	2.4	15
105	Experimental constraints on the mechanical and hydraulic properties of deformation bands in porous sandstones: a review. <i>Geological Society Special Publication</i> , 2001, 186, 43-63.	1.3	18
106	Apparent Breaks in Scaling in the Earthquake Cumulative Frequency-Magnitude Distribution: Fact or Artifact?. <i>Bulletin of the Seismological Society of America</i> , 2000, 90, 86-97.	2.3	87
107	A damage mechanics model for power-law creep and earthquake aftershock and foreshock sequences. <i>Geophysical Journal International</i> , 2000, 142, 151-161.	2.4	198
108	Sequential growth of deformation bands in the laboratory. <i>Journal of Structural Geology</i> , 2000, 22, 25-42.	2.3	191

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109	Fault sealing during deformation-band growth in porous sandstone. <i>Geology</i> , 2000, 28, 1131.	4.4	55
110	Experimental constraints on the diagenetic self-sealing capacity of faults in high porosity rocks. <i>Earth and Planetary Science Letters</i> , 2000, 183, 187-199.	4.4	39
111	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> , 2000, 105, 6105-6126.	3.3	31
112	Fault sealing during deformation-band growth in porous sandstone. <i>Geology</i> , 2000, 28, 1131-1134.	4.4	5
113	Applicability of time-to-failure analysis to accelerated strain before earthquakes and volcanic eruptions. <i>Geophysical Journal International</i> , 1999, 139, F1-F6.	2.4	125
114	The thermal evolution of sedimentary basins and its effect on the maturation of hydrocarbons. <i>Geophysical Journal International</i> , 1999, 139, 248-260.	2.4	23
115	Numerical simulation of seismicity due to fluid injection in a brittle poroelastic medium. <i>Geophysical Journal International</i> , 1999, 139, 263-272.	2.4	30
116	One slope or two? Detecting statistically significant breaks of slope in geophysical data, with application to fracture scaling relationships. <i>Geophysical Research Letters</i> , 1999, 26, 2801-2804.	4.0	92
117	Shear-wave anisotropy: spatial and temporal variations in time delays at Parkfield, Central California. <i>Geophysical Journal International</i> , 1997, 130, 771-785.	2.4	67
118	Long odds on prediction. <i>Nature</i> , 1997, 385, 19-20.	27.8	62
119	A lattice BGK model for the diffusion of pore fluid pressure, including anisotropy, heterogeneity, and gravity effects. <i>Geophysical Research Letters</i> , 1996, 23, 13-16.	4.0	15
120	Spatial variations of the fractal properties of seismicity in the Anatolian fault zones. <i>Tectonophysics</i> , 1996, 257, 189-202.	2.2	72
121	Statistical physics, seismogenesis, and seismic hazard. <i>Reviews of Geophysics</i> , 1996, 34, 433-462.	23.0	370
122	A cellular automaton fracture model: the influence of heterogeneity in the failure process. <i>Journal of Structural Geology</i> , 1996, 18, 343-348.	2.3	14
123	Temporal variations in the fractal properties of seismicity in the North Anatolian Fault Zone between $31\dot{\iota}^{1/2}E$ and $41\dot{\iota}^{1/2}E$. <i>Pure and Applied Geophysics</i> , 1996, 147, 147-159.	1.9	33
124	The nucleation and rupture process of the 1981 Gulf of Corinth earthquakes from deconvolved broad-band data. <i>Geophysical Journal International</i> , 1995, 120, 393-405.	2.4	31
125	Source parameters of earthquakes in the Aleutian Islands subduction zone. <i>Geophysical Journal International</i> , 1995, 120, 419-432.	2.4	1
126	FAULTS IN FOCUS. <i>Terra Nova</i> , 1995, 7, 4-6.	2.1	2

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127	Strength characteristics and shear acoustic anisotropy of rock core subjected to true triaxial compression. <i>International Journal of Rock Mechanics and Mining Sciences</i> , 1995, 32, 189-200.	0.0	26
128	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> , 1995, 2, 147-157.	1.3	27
129	A two-layer attenuation model for the upper mantle at short periods. <i>Geophysical Research Letters</i> , 1995, 22, 2561-2564.	4.0	4
130	Earthquakes as critical phenomena: Implications for probabilistic seismic hazard analysis. <i>Bulletin of the Seismological Society of America</i> , 1995, 85, 1299-1308.	2.3	86
131	Self-organised criticality and fluid-rock interactions in the brittle field. <i>Pure and Applied Geophysics</i> , 1994, 142, 529-543.	1.9	11
132	A fracture-mechanical cellular automaton model of seismicity. <i>Pure and Applied Geophysics</i> , 1994, 142, 545-565.	1.9	24
133	Non-universal scaling of fracture length and opening displacement. <i>Nature</i> , 1994, 367, 160-162.	27.8	134
134	Microseismic properties of a homogeneous sandstone during fault nucleation and frictional sliding. <i>Geophysical Journal International</i> , 1994, 119, 219-230.	2.4	32
135	Seismicity in north-eastern Brazil: fractal clustering and the evolution of the b-value. <i>Geophysical Journal International</i> , 1994, 116, 217-226.	2.4	51
136	Application of a modified Griffith criterion to the evolution of fractal damage during compressional rock failure. <i>Geophysical Journal International</i> , 1993, 115, 367-380.	2.4	91
137	A comparison of seismic and structural measurements of scaling exponents during tensile subcritical crack growth. <i>Journal of Structural Geology</i> , 1993, 15, 1485-1495.	2.3	89
138	Three-dimensional structure and constraints on the nature of the coupled subduction-spreading process in the Aegean area. <i>Tectonophysics</i> , 1992, 201, 199-207.	2.2	3
139	A simple fracture-mechanical model for the evolution of seismicity. <i>Geophysical Research Letters</i> , 1992, 19, 365-368.	4.0	25
140	Temporal variations in seismic event rate and b-values from stress corrosion constitutive laws. <i>Tectonophysics</i> , 1992, 211, 233-246.	2.2	75
141	Earthquake scaling. <i>Nature</i> , 1992, 357, 27-28.	27.8	33
142	Role of pore fluids in the generation of seismic precursors to shear fracture. <i>Nature</i> , 1992, 359, 228-230.	27.8	195
143	Damage mechanics with long-range interactions: correlation between the seismic b-value and the fractal two-point correlation dimension. <i>Geophysical Journal International</i> , 1992, 111, 531-541.	2.4	62
144	The evolution of seismicity at Parkfield: observation, experiment and a fracture-mechanical interpretation. <i>Journal of Structural Geology</i> , 1992, 14, 905-913.	2.3	37

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145	Source mechanisms of recent earthquakes in the Hellenic arc from broadband data. <i>Tectonophysics</i> , 1991, 200, 233-248.	2.2	3
146	On the resolving power of tomographic images in the Aegean area. <i>Geophysical Journal International</i> , 1991, 107, 197-203.	2.4	16
147	The use of the CAPE Environment in the simulation of rock fracturing. <i>Concurrency and Computation: Practice and Experience</i> , 1991, 3, 687-698.	0.5	7
148	Quasi-static modelling of stress histories during the earthquake cycle: precursory seismic and aseismic stress release. <i>Geophysical Journal International</i> , 1990, 102, 195-203.	2.4	6
149	3-D structure of the lithosphere in the Aegean region. <i>Geophysical Journal International</i> , 1990, 102, 219-229.	2.4	34
150	Scattering attenuation and the fractal geometry of fracture systems. <i>Pure and Applied Geophysics</i> , 1990, 133, 283-304.	1.9	70
151	Influence of fractal flaw distributions on rock deformation in the brittle field. <i>Geological Society Special Publication</i> , 1990, 54, 81-96.	1.3	30
152	Temporal variations in seismicity during quasi-static and dynamic rock failure. <i>Tectonophysics</i> , 1990, 175, 249-268.	2.2	167
153	Moment-magnitude scaling in the Aegean area. <i>Tectonophysics</i> , 1990, 179, 273-285.	2.2	16
154	Seismotectonics and the earthquake frequency-magnitude distribution in the Aegean area. <i>Geophysical Journal International</i> , 1989, 98, 575-586.	2.4	33
155	A reinterpretation of the precursory seismic b-value anomaly from fracture mechanics. <i>Geophysical Journal International</i> , 1989, 96, 131-138.	2.4	180
156	Classification of earthquake precursors from a fracture mechanics model. <i>Tectonophysics</i> , 1989, 167, 273-283.	2.2	42
157	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> , 1987, 49, 283-293.	1.9	40
158	Long-term earthquake recurrence constrained by tectonic seismic moment release rates. <i>Bulletin of the Seismological Society of America</i> , 1986, 76, 297-304.	2.3	38
159	Physical links between crustal deformation, seismic moment and seismic hazard for regions of varying seismicity. <i>Geophysical Journal International</i> , 1984, 79, 469-488.	2.4	23
160	Seismic Risk and the North Sea. , 1983, , 347-364.		7
161	Is the reliable prediction of individual earthquakes a realistic scientific goal?. <i>Nature</i> , 0, , .	27.8	40