The accommodation of large strains in the upper lithosy by self-similar fault systems: the geometrical origin of b

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Citation Report

#	Article	IF	Citations
1	Intraplate seismic hazard: Evidence for distributed strain and implications for seismic hazard., 0,, 303-327.		4
2	The fractal nature of the inhomogeneities in the lithosphere evidenced from seismic wave scattering. Pure and Applied Geophysics, 1985, 123, 805-818.	1.9	102
3	Role of Fault Bends in the Initiation and Termination of Earthquake Rupture. Science, 1985, 228, 984-987.	12.6	435
4	A fractal model for crustal deformation. Tectonophysics, 1986, 132, 261-269.	2.2	147
5	Self-similar cataclasis in the formation of fault gouge. Pure and Applied Geophysics, 1986, 124, 53-78.	1.9	209
6	Speculations on the geometry of the initiation and termination processes of earthquake rupture and its relation to morphology and geological structure. Pure and Applied Geophysics, 1986, 124, 567-585.	1.9	223
7	Physics of fracturing and seismic energy release: A review. Pure and Applied Geophysics, 1986, 124, 611-658.	1.9	8
8	Rupture characteristics of normal faults: an example from the Wasatch fault zone, Utah. Geological Society Special Publication, 1987, 28, 337-353.	1.3	26
9	A New Perspective for Earthquakes and Fractals. Zisin (Journal of the Seismological Society of Japan) Tj ETQq0 0	0 rgBT /O	verlock 10 Tf 5
10	Future earthquakes. Reviews of Geophysics, 1987, 25, 1135-1138.	23.0	6
10	Future earthquakes. Reviews of Geophysics, 1987, 25, 1135-1138. Rheology of the oceanic and continental lithosphere. Geodynamic Series, 1987, , 61-67.	23.0	7
11	Rheology of the oceanic and continental lithosphere. Geodynamic Series, 1987, , 61-67. A characteristic earthquake model of the seismicity preceding the eruption of Mount St. Helens on 18	0.1	7
11	Rheology of the oceanic and continental lithosphere. Geodynamic Series, 1987, , 61-67. A characteristic earthquake model of the seismicity preceding the eruption of Mount St. Helens on 18 May 1980. Physics of the Earth and Planetary Interiors, 1987, 49, 283-293.	0.1	7
11 12 13	Rheology of the oceanic and continental lithosphere. Geodynamic Series, 1987, , 61-67. A characteristic earthquake model of the seismicity preceding the eruption of Mount St. Helens on 18 May 1980. Physics of the Earth and Planetary Interiors, 1987, 49, 283-293. Fractal geometry in the San Andreas Fault System. Journal of Geophysical Research, 1987, 92, 345-355. Omori's Power Law aftershock sequences of microfracturing in rock fracture experiment. Journal of	0.1	7 40 370
11 12 13	Rheology of the oceanic and continental lithosphere. Geodynamic Series, 1987, , 61-67. A characteristic earthquake model of the seismicity preceding the eruption of Mount St. Helens on 18 May 1980. Physics of the Earth and Planetary Interiors, 1987, 49, 283-293. Fractal geometry in the San Andreas Fault System. Journal of Geophysical Research, 1987, 92, 345-355. Omori's Power Law aftershock sequences of microfracturing in rock fracture experiment. Journal of Geophysical Research, 1987, 92, 6215-6221. Kinematics of strike-slip faulting, builth Inlier, mid-Wales. Journal of Structural Geology, 1987, 9,	0.1 1.9 3.3	7 40 370
11 12 13 14	Rheology of the oceanic and continental lithosphere. Geodynamic Series, 1987, , 61-67. A characteristic earthquake model of the seismicity preceding the eruption of Mount St. Helens on 18 May 1980. Physics of the Earth and Planetary Interiors, 1987, 49, 283-293. Fractal geometry in the San Andreas Fault System. Journal of Geophysical Research, 1987, 92, 345-355. Omori's Power Law aftershock sequences of microfracturing in rock fracture experiment. Journal of Geophysical Research, 1987, 92, 6215-6221. Kinematics of strike-slip faulting, builth Inlier, mid-Wales. Journal of Structural Geology, 1987, 9, 353-363. Fractal analysis applied to characteristic segments of the San Andreas Fault. Journal of Geophysical	0.1 1.9 3.3 2.3	7 40 370 124

#	ARTICLE	IF	CITATIONS
19	The interpretation of the b and the b0 values and its implications on the regional deformation of the crust. Geophysical Journal International, 1987, 90, 551-573.	2.4	8
20	Seismicity of the Panama Block I. Magnitudes and spatial distribution of epicentres. Tectonophysics, 1988, 145, 213-224.	2,2	14
21	Fault plane solutions for the 1984 Morgan Hill, California, Earthquake Sequence: Evidence for the state of stress on the Calaveras Fault. Journal of Geophysical Research, 1988, 93, 9007-9026.	3.3	199
22	Fractals in Geophysics. , 1989, , .		50
23	Block faulting in southeastern Sweden interpreted from digital terrain models. Gff, 1989, 111, 171-179.	0.4	8
24	Fractals in Geology and Geophysics. , 1989, , 171-196.		77
25	Earthquake faulting as a structural process. Journal of Structural Geology, 1989, 11, 1-14.	2.3	414
26	Fractal dimension of fault systems in Japan: Fractal structure in rock fracture geometry at various scales. Pure and Applied Geophysics, 1989, 131, 157-170.	1.9	257
27	Fractals in geology and geophysics. Pure and Applied Geophysics, 1989, 131, 171-196.	1.9	255
28	Fractal reconstruction of sea-floor topography. Pure and Applied Geophysics, 1989, 131, 197-210.	1.9	28
29	Fractured but not fractal: Fragmentation of the gulf of suez basement. Pure and Applied Geophysics, 1989, 131, 289-305.	1.9	27
30	Active tectonics of the Algerian Atlas Mountains-evidence from aftershocks of the 1980 El Asnam earthquake. Geophysical Journal International, 1989, 99, 761-788.	2.4	76
31	Global patterns of tectonic stress. Nature, 1989, 341, 291-298.	27.8	571
32	A fractal approach to probabilistic seismic hazard assessment. Tectonophysics, 1989, 167, 171-177.	2.2	48
33	A correlation between the $\langle i \rangle b \langle i \rangle$ value and the fractal dimension of earthquakes. Journal of Geophysical Research, 1989, 94, 7507-7514.	3.3	221
34	Mechanics of fault junctions. Journal of Geophysical Research, 1989, 94, 9389-9397.	3.3	91
35	Derivation of the complete Gutenbergâ€Richter magnitudeâ€frequency relation using the principle of scale invariance. Journal of Geophysical Research, 1989, 94, 12337-12342.	3.3	162
36	Spatial and temporal correlation between coda <i>Q</i> ^{â^'1} and seismicity and its physical mechanism. Journal of Geophysical Research, 1989, 94, 14041-14059.	3.3	95

#	ARTICLE	IF	CITATIONS
37	Active faulting and deformation of the Coalinga Anticline as interpreted from threeâ€dimensional velocity structure and seismicity. Journal of Geophysical Research, 1989, 94, 15565-15586.	3.3	40
38	Measuring displacement gradients and strains in faulted rocks. Journal of Structural Geology, 1989, 11, 669-678.	2.3	64
39	Scaling Relationships in Natural Fractures: Data, Theory, and Application. , 1990, , .		51
40	Quasi-static modelling of stress histories during the earthquake cycle: precursory seismic and aseismic stress release. Geophysical Journal International, 1990, 102, 195-203.	2.4	6
41	Kinematic analysis of fault-slip data. Journal of Structural Geology, 1990, 12, 973-986.	2.3	782
42	Scattering attenuation and the fractal geometry of fracture systems. Pure and Applied Geophysics, 1990, 133, 283-304.	1.9	70
43	A Method for Estimation of the Density of Fault Displacements below the Limits of Seismic Resolution in Reservoir Formations. , 1990 , , $309-318$.		61
44	Influence of fractal flaw distributions on rock deformation in the brittle field. Geological Society Special Publication, 1990, 54, 81-96.	1.3	30
45	Earthquake clustering on volcanic and tectonic structures. Tectonophysics, 1990, 175, 35-45.	2.2	4
46	Structural and fluid-chemical properties of seismogenic normal faults. Tectonophysics, 1990, 175, 139-157.	2.2	69
47	Temporal variations in seismicity during quasi-static and dynamic rock failure. Tectonophysics, 1990, 175, 249-268.	2.2	167
48	Fractal analysis applied to cataclastic rocks. Tectonophysics, 1990, 178, 373-377.	2.2	12
49	Displacements, segment linkage and relay ramps in normal fault zones. Journal of Structural Geology, 1991, 13, 721-733.	2.3	754
50	Fractal patterns of fractures in granites. Earth and Planetary Science Letters, 1991, 104, 25-35.	4.4	82
51	Frequencyâ€magnitude distribution of earthquakes in Vrancea: Relevance for a discrete model. Journal of Geophysical Research, 1991, 96, 4301-4311.	3.3	44
52	Earthquakes and sea level: Space and terrestrial metrology on a changing planet. Reviews of Geophysics, 1991, 29, 1-29.	23.0	31
53	Dispersion of Bâ€values in Gutembergâ€Richter Law as a consequence of a proposed fractal nature of continental faulting. Geophysical Research Letters, 1991, 18, 897-900.	4.0	18
54	Relocation of teleseismically recorded earthquakes near Tennant Creek, Australia: Implications for midplate seismogenesis. Journal of Geophysical Research, 1991, 96, 11973-11979.	3.3	12

#	Article	IF	Citations
55	Structure of the Warm Spring and northern Thousand Springs fault segments, Lost River fault zone, Idaho: Possible effects on rupturing during the 1983 Borah Peak earthquake. Tectonophysics, 1991, 200, 33-49.	2.2	7
56	Displacements and segment linkage in strike-slip fault zones. Journal of Structural Geology, 1991, 13, 1025-1035.	2.3	208
57	Geometric pattern, rupture termination and fault segmentation of the Dixie Valleyâ€"Pleasant Valley active normal fault system, Nevada, U.S.A Journal of Structural Geology, 1991, 13, 165-176.	2.3	113
58	The importance of small-scale faulting in regional extension. Nature, 1991, 351, 391-393.	27.8	279
59	Multifractal analysis of spatial distribution of microearthquakes in the Kanto region. Geophysical Journal International, 1991, 107, 155-162.	2.4	123
60	Deep borehole log evidence for fractal distribution of fractures in crystalline rock. Geophysical Journal International, 1991, 107, 615-627.	2.4	85
61	Spatial distribution of aftershocks and background seismicity in central California. Pure and Applied Geophysics, 1991, 137, 35-61.	1.9	12
62	Scale invariance for a heterogeneous fault model. Pure and Applied Geophysics, 1991, 137, 85-94.	1.9	2
63	Rock block map analysis of southern Sweden. Gff, 1992, 114, 253-269.	0.4	8
64	Dynamical model of an earthquake fault with localization. Physical Review A, 1992, 46, 7445-7449.	2.5	54
65	Small Earthquakes, Tectonic Forces. Science, 1992, 256, 1430-1432.	12.6	67
66	Experimental discovery of scaling laws relating fractal dimensions and the length distribution exponent of fault systems. Geophysical Research Letters, 1992, 19, 361-363.	4.0	32
67	Selfâ€similar distribution and properties of macroscopic fractures at depth in crystalline rock in the Cajon Pass Scientific Drill Hole. Journal of Geophysical Research, 1992, 97, 5181-5200.	3.3	187
68	Fractal analysis of fault systems in Japan and the Philippines. Geophysical Research Letters, 1992, 19, 357-360.	4.0	35
69	Growth of faults by accumulation of seismic slip. Journal of Geophysical Research, 1992, 97, 11085-11095.	3.3	275
70	On the geometry of an earthquake fault system. Physics of the Earth and Planetary Interiors, 1992, 71, 15-35.	1.9	24
71	Towards a new view of earthquake phenomena. Pure and Applied Geophysics, 1992, 138, 531-548.	1.9	28
72	Multifractal analysis of earthquakes. Pure and Applied Geophysics, 1992, 138, 591-610.	1.9	85

#	Article	IF	Citations
73	The mechanisms of finite brittle strain. Pure and Applied Geophysics, 1992, 138, 611-640.	1.9	62
74	Sizing up the threat. Nature, 1992, 355, 18-19.	27.8	3
75	Geophysical and structural aspects of fault mechanics—A brief historical review. Terra Nova, 1992, 4, 458-463.	2.1	3
76	Spatial distribution of earthquakes in aftershock zones of the Garm region, Soviet Central Asia. Geophysical Journal International, 1992, 109, 38-53.	2.4	15
77	Damage mechanics with long-range interactions: correlation between the seismicb-value and the fractal two-point correlation dimension. Geophysical Journal International, 1992, 111, 531-541.	2.4	62
78	Populations of faults and fault displacements and their effects on estimates of fault-related regional extension. Journal of Structural Geology, 1992, 14, 701-712.	2.3	100
79	Fractal characteristics of mesofractures in compressed rock specimens. International Journal of Rock Mechanics and Mining Sciences, 1993, 30, 877-882.	0.0	27
80	Strange seismic attractor?. Pure and Applied Geophysics, 1993, 141, 71-81.	1.9	14
81	Analysis of temporal and spatial heterogeneity of magnitude frequency distribution inferred from earthquake catalogues. Geophysical Journal International, 1993, 113, 727-738.	2.4	266
82	A comparison of seismic and structural measurements of scaling exponents during tensile subcritical crack growth. Journal of Structural Geology, 1993, 15, 1485-1495.	2.3	89
83	A footwall system of faults associated with a foreland thrust in Montana. Journal of Structural Geology, 1993, 15, 335-342.	2.3	5
84	Four-dimensional analysis of fracture arrays at theÄspöhard rock laboratory, SE Sweden. Engineering Geology, 1993, 33, 159-175.	6.3	16
85	Measurement and characterisation of spatial distributions of fractures. Tectonophysics, 1993, 226, 113-141.	2.2	376
86	Magnitude-frequency distribution in the European-Mediterranean earthquake regions. Tectonophysics, 1993, 220, 309-323.	2.2	17
87	Spatial and temporal analysis of a seismic series using a new version of the three point method: application to the 1989 Antequera (Spain) earthquakes. Physics of the Earth and Planetary Interiors, 1993, 80, 159-168.	1.9	8
88	Exploring nonlinear characteristics in seismogenic process. Acta Seismologica Sinica, 1993, 6, 923-930.	0.2	2
89	Flow phenomena in rocks: from continuum models to fractals, percolation, cellular automata, and simulated annealing. Reviews of Modern Physics, 1993, 65, 1393-1534.	45.6	977
90	On the frequencyâ€length distribution of the San Andreas Fault System. Journal of Geophysical Research, 1993, 98, 12141-12151.	3.3	149

#	Article	IF	Citations
91	Nonlinearity of the magnitudeâ€frequency relation in the Hellenic Arcâ€Trench System and the characteristic earthquake model. Journal of Geophysical Research, 1993, 98, 17737-17744.	3.3	20
92	Structures in segment boundary zones of the Lost River and Lemhi Faults, east central Idaho. Journal of Geophysical Research, 1993, 98, 16223-16238.	3.3	17
93	Magnitudeâ€frequency relations for earthquakes using a statistical mechanical approach. Journal of Geophysical Research, 1993, 98, 21943-21949.	3.3	39
94	Hydrological signatures of earthquake strain. Journal of Geophysical Research, 1993, 98, 22035-22068.	3.3	427
95	Statistical physics model for the spatiotemporal evolution of faults. Journal of Geophysical Research, 1993, 98, 21809-21821.	3.3	204
96	Probabilistic Modeling of Faults Below the Limit of Seismic Resolution in Pelican Field, North Sea, Offshore United Kingdom. AAPG Bulletin, 1993, 77, .	1.5	20
97	Scaling Laws of Fragmentation. , 1994, , 25-36.		7
98	Modelling the damage evolution in rock containing pore fluid by acoustic emission. , 1994, , .		20
99	Self-affine growth pattern of earthquake rupture zones. Pure and Applied Geophysics, 1994, 142, 263-271.	1.9	9
100	Strain and scaling of faults in the chalk at Flamborough Head, U.K Journal of Structural Geology, 1994, 16, 97-107.	2.3	69
101	Displacement localization and palaeo-seismicity of the Rencurel Thrust Zone, French Sub-Alpine Chains. Journal of Structural Geology, 1994, 16, 633-646.	2.3	13
102	Structural and lithological controls on coastline profiles in Fife, Eastern Britain. Terra Nova, 1994, 6, 251-254.	2.1	10
103	The fracture criticality of crustal rocks. Geophysical Journal International, 1994, 118, 428-438.	2.4	364
104	Quantitative fault studies on the East Pacific Rise: A comparison of sonar imaging techniques. Journal of Geophysical Research, 1994, 99, 15205.	3.3	76
105	Block versus continuum deformation in the Western United States. Earth and Planetary Science Letters, 1994, 128, 55-64.	4.4	54
106	Development of subcracks betweenen echelon fractures in rock plates. Pure and Applied Geophysics, 1995, 145, 759-773.	1.9	7
107	Quantifying crustal fracture heterogeneity by seismic scattering. Geophysical Journal International, 1995, 122, 125-142.	2.4	20
108	The cause of frequency-dependent seismic absorption in crustal rock. Geophysical Journal International, 1995, 122, 143-151.	2.4	26

#	Article	IF	CITATIONS
109	Multifractal scaling properties of a growing fault population. Geophysical Journal International, 1995, 122, 457-469.	2.4	200
110	Concentrated slip zones with subsidiary shears: their development on three scales in the Cerro Brass fault zone, Appalachian valley and ridge. Journal of Structural Geology, 1995, 17, 519-532.	2.3	30
111	Scaling organization of fracture tectonics (SOFT) and earthquake mechanism. Physics of the Earth and Planetary Interiors, 1995, 92, 215-233.	1.9	48
112	Faulting mechanism of the El Asnam (Algeria) 1954 and 1980 earthquakes from modelling of vertical movements. Tectonophysics, 1995, 249, 249-266.	2.2	50
113	Fractal analysis of three-dimensional spatial distributions of earthquakes with a percolation interpretation. Journal of Geophysical Research, 1995, 100, 609-620.	3.3	93
114	Slip patterns and earthquake populations along different classes of faults in elastic solids. Journal of Geophysical Research, 1995, 100, 12959-12983.	3.3	202
115	Correlation between characteristic parameters of aftershock distributions in time, space and magnitude. Geophysical Research Letters, 1995, 22, 993-996.	4.0	41
116	A model of seismicity with fractal structures and a preliminary discussion on the relation betweenD andb value. Acta Seismologica Sinica, 1995, 8, 647-652.	0.2	4
117	Shear fracture patterns and connectivity at geometric complexities along strike-slip faults. Journal of Geophysical Research, 1995, 100, 18093-18102.	3.3	75
118	Spatial variations of the fractal properties of seismicity in the Anatolian fault zones. Tectonophysics, 1996, 257, 189-202.	2.2	72
119	Barriers on seismogenic faults in central Greece. Journal of Geodynamics, 1996, 22, 119-135.	1.6	15
120	Fractal geometry of the sumatra active fault system and its geodynamical implications. Journal of Geodynamics, 1996, 22, 1-9.	1.6	20
121	A comparison of historical and paleoseismicity in a newly formed fault zone and a mature fault zone, North Canterbury, New Zealand. Journal of Geophysical Research, 1996, 101, 6021-6036.	3.3	58
122	Stress, slip, and earthquakes in models of complex single-fault systems incorporating brittle and creep deformations. Journal of Geophysical Research, 1996, 101, 5677-5706.	3.3	127
123	Multifractal analysis of the 1992 Erzincan Aftershock Sequence. Geophysical Research Letters, 1996, 23, 933-936.	4.0	32
124	Statistical physics, seismogenesis, and seismic hazard. Reviews of Geophysics, 1996, 34, 433-462.	23.0	370
125	Geometric incompatibility in a fault system. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 3838-3842.	7.1	47
126	Sampling of fault populations using sub-surface data: a review. Journal of Structural Geology, 1996, 18, 135-146.	2.3	110

#	Article	IF	CITATIONS
127	Spatial and mechanical controls on normal fault populations. Journal of Structural Geology, 1996, 18, 359-372.	2.3	174
128	Seismicity and stress rotation in a granular model of the brittle crust. Nature, 1996, 381, 592-595.	27.8	138
129	Self-organized criticality in a hierarchical model of defects development. Physical Review E, 1996, 53, 3408-3413.	2.1	10
130	Simple hierarchical systems: Stability, self-organized criticality, and catastrophic behavior. Physical Review E, 1997, 55, 6397-6403.	2.1	11
131	Earthquake scaling laws for creeping and non-creeping faults. Geophysical Research Letters, 1997, 24, 507-510.	4.0	105
132	Shear wave anisotropy in the Erzincan Basin and its relationship with crustal strain. Journal of Geophysical Research, 1997, 102, 20373-20393.	3.3	13
133	Distributed damage, faulting, and friction. Journal of Geophysical Research, 1997, 102, 27635-27649.	3.3	255
134	Fractal and chaotic properties of earthquakes. , 1997, , 3-164.		7
135	Physical modeling of the formation and evolution of seismically active fault zones. Tectonophysics, 1997, 277, 57-81.	2,2	85
136	Scaling laws in blocks dynamics and dynamic self-organized criticality. Physics of the Earth and Planetary Interiors, 1997, 99, 295-307.	1.9	29
137	Statistical relations between the parameters of aftershocks in time, space, and magnitude. Journal of Geophysical Research, 1997, 102, 2857-2873.	3.3	155
138	Frequency of occurrence of moderate to great earthquakes in intracontinental regions: Implications for changes in stress, earthquake prediction, and hazards assessments. Journal of Geophysical Research, 1997, 102, 9923-9948.	3.3	103
139	Large-scale tectonic deformation inferred from small earthquakes. Nature, 1997, 386, 702-705.	27.8	59
140	Energetic balance in scaling organization of fracture tectonics. Physics of the Earth and Planetary Interiors, 1998, 106, 139-153.	1.9	9
141	Rates of aftershock decay and the fractal structure of active fault systems. Tectonophysics, 1998, 287, 173-186.	2.2	64
142	Earthquakes: from chemical alteration to mechanical rupture. Physics Reports, 1999, 313, 237-292.	25.6	60
143	Fractal pattern in hydrothermal emission. Physica A: Statistical Mechanics and Its Applications, 1999, 262, 9-15.	2.6	4
144	Stress, strain and fault patterns. Journal of Structural Geology, 1999, 21, 1065-1070.	2.3	34

#	Article	IF	Citations
145	A new method of modelling the rock micro-fracturing process in double-torsion experiments using neural networks. International Journal for Numerical and Analytical Methods in Geomechanics, 1999, 23, 905-923.	3.3	10
146	Rupture terminations and size of segment boundaries from historical earthquake ruptures in the Basin and Range Province. Tectonophysics, 1999, 308, 37-52.	2.2	51
147	What comes next in the dynamics of lithosphere and earthquake prediction?. Physics of the Earth and Planetary Interiors, 1999, 111, 179-185.	1.9	30
148	Fault populations and their relationship to the scaling of surface roughness. Journal of Geophysical Research, 1999, 104, 2691-2701.	3.3	3
149	Heterogeneity and the earthquake magnitude-frequency distribution. Geophysical Research Letters, 1999, 26, 899-902.	4.0	28
150	Clustering and size distributions of fault patterns: Theory and measurements. Geophysical Research Letters, 1999, 26, 2001-2004.	4.0	114
151	Direct simulations of the stress redistribution in the scaling organization of fracture tectonics (SOFT) model. Geophysical Journal International, 2000, 141, 115-135.	2.4	19
152	Micromorphic Continuum and Fractal Fracturing in the Lithosphere. , 2000, 157, 559-574.		14
153	Fractal Geometry of Faults and Seismicity of Koyna-Warna Region West India Using LANDSAT Images. , 2000, 157, 1393-1405.		26
154	Deterministic chaos in two state-variable friction sliders and the effect of elastic interactions. Geophysical Monograph Series, 2000, , 5-26.	0.1	15
156	Micromorphic Continuum and Fractal Fracturing in the Lithosphere. , 2000, , 559-574.		1
157	Scaling of fracture systems in geological media. Reviews of Geophysics, 2001, 39, 347-383.	23.0	1,047
158	Earthquake cycle, fault zones, and seismicity patterns in a rheologically layered lithosphere. Journal of Geophysical Research, 2001, 106, 4103-4120.	3.3	143
159	Slip accumulation and lateral propagation of active normal faults in Afar. Journal of Geophysical Research, 2001, 106, 13667-13696.	3.3	237
160	An analysis of the process of acceleration of seismic energy emission in laboratory experiments on destruction of rocks and before strong earthquakes on Kamchatka and in Italy. Tectonophysics, 2001, 338, 339-351.	2.2	14
161	A discussion on the application ofb-value to the prediction of seismic tendency. Acta Seismologica Sinica, 2001, 14, 585-588.	0.2	4
162	Microfracturing associated with reactivated fault zones and shear zones: what can it tell us about deformation history?. Geological Society Special Publication, 2001, 186, 113-140.	1.3	15
163	Asperity Model of an Earthquake: Static Problem. Bulletin of the Seismological Society of America, 2002, 92, 672-686.	2.3	43

#	Article	IF	CITATIONS
164	Space-Time Correlations of Seismotectonic Parameters: Examples from Japan and from Turkey Preceding the Izmit Earthquake. Bulletin of the Seismological Society of America, 2002, 92, 339-349.	2.3	46
165	Fractal Dimensions of Small, Intermediate, and Large Earthquakes. Bulletin of the Seismological Society of America, 2002, 92, 3318-3320.	2.3	34
166	Earthquake Prediction: State-of-the-Art and Emerging Possibilities. Annual Review of Earth and Planetary Sciences, 2002, 30, 1-33.	11.0	100
167	A statistical scaling model for fracture network geometry, with validation on a multiscale mapping of a joint network (Hornelen Basin, Norway). Journal of Geophysical Research, 2002, 107, ETG 4-1.	3.3	137
168	The propagation of a buoyant liquid-filled fissure from a source under constant pressure: An experimental approach. Journal of Geophysical Research, 2002, 107, ECV 16-1-ECV 16-14.	3.3	104
169	Mapping spatial variability of the frequency-magnitude distribution of earthquakes. Advances in Geophysics, 2002, 45, 259-V.	2.8	297
170	Renormalization group approach to earthquake scaling. Chaos, Solitons and Fractals, 2002, 13, 1281-1294.	5.1	5
171	Regional strain derived from fractal analysis applied to strike-slip fault systems in NW Sicily. Chaos, Solitons and Fractals, 2002, 14, 71-76.	5.1	7
172	Characterization of Fault Zones. Pure and Applied Geophysics, 2003, 160, 677-715.	1.9	493
173	Fractal Dimension of the 1999 Chamoli Earthquake from Aftershock Studies in Garhwal Himalaya. Pure and Applied Geophysics, 2003, 160, 2329-2341.	1.9	8
174	Similarities between recent seismic activity and paleoseismites during the late miocene in the external Betic Chain (Spain): relationship by †b' value and the fractal dimension. Journal of Structural Geology, 2003, 25, 749-763.	2.3	44
175	Predicting reservoir-scale faults with area balance: application to growth stratigraphy. Journal of Structural Geology, 2003, 25, 1645-1658.	2.3	13
176	Long-term elasticity in the continental lithosphere; modelling the Aden Ridge propagation and the Anatolian extrusion process. Geophysical Journal International, 2003, 153, 111-132.	2.4	120
177	Coseismic and early post-seismic slip associated with the 1999 Izmit earthquake (Turkey), from SAR interferometry and tectonic field observations. Geophysical Journal International, 2003, 155, 93-110.	2.4	123
178	Controls on strain localization in a two-dimensional elastoplastic layer: Insights into size-frequency scaling of extensional fault populations. Journal of Geophysical Research, 2003, 108, .	3.3	15
179	Fractal analysis of earthquake swarms of Vogtland/NW-Bohemia intraplate seismicity. Journal of Geodynamics, 2003, 35, 173-189.	1.6	17
181	Seismic Motion, Lithospheric Structures, Earthquake and Volcanic Sources: The Keiiti Aki Volume. , 2003, , .		0
182	Fractal Dimension and b-Value on Creeping and Locked Patches of the San Andreas Fault near Parkfield, California. Bulletin of the Seismological Society of America, 2004, 94, 410-421.	2.3	121

#	Article	IF	CITATIONS
183	Intermittent Criticality and the Gutenberg-Richter Distribution. Pure and Applied Geophysics, 2004, 161, 1945.	1.9	33
184	Distribution of slip along an earthquake fault. Acta Seismologica Sinica, 2004, 17, 542-548.	0.2	0
185	The mechanical interaction between the propagating North Anatolian Fault and the back-arc extension in the Aegean. Earth and Planetary Science Letters, 2004, 224, 347-362.	4.4	146
186	Fault intersections as critical hydrocarbon leakage zones: integrated field study and numerical modelling of an example from the Timor Sea, Australia. Marine and Petroleum Geology, 2004, 21, 1165-1179.	3.3	95
187	The role of off-fault damage in the evolution of normal faults. Earth and Planetary Science Letters, 2004, 217, 399-408.	4.4	98
188	Stress Triggering of Conjugate Normal Faulting: Late Aftershocks of the 1983 Ms 7.3 Borah Peak, Idaho, Earthquake. Bulletin of the Seismological Society of America, 2004, 94, 828-844.	2.3	10
189	PSHA Uncertainty Analysis: Applications to the CEUS and the Pacific NW., 2005, , 13-63.		2
190	Asperity Model of an Earthquake: Dynamic Problem. Bulletin of the Seismological Society of America, 2005, 95, 75-108.	2.3	14
191	Scaling laws of earthquakes derived by renormalization group method. Chaos, Solitons and Fractals, 2005, 24, 511-518.	5.1	7
192	Self-organized Fractal Seismicity and b Value of Aftershocks of the 2001 Bhuj Earthquake in Kutch (India). Pure and Applied Geophysics, 2005, 162, 53-72.	1.9	38
193	Self-organized Fractal Seismicity of Reservoir Triggered Earthquakes in the Koyna-Warna Seismic Zone, Western India. Pure and Applied Geophysics, 2005, 162, 73-90.	1.9	29
194	Fractal Dimensions of Blocks Using a Box-counting Technique for the 2001 Bhuj Earthquake, Gujarat, India. Pure and Applied Geophysics, 2005, 162, 531-548.	1.9	26
195	Spatial Distribution, Scaling and Self-similar Behavior of Fracture Arrays in the Los Planes Fault, Baja California Sur, Mexico. Pure and Applied Geophysics, 2005, 162, 805-826.	1.9	12
196	Fold-thrust belt evolution expressed in an internal thrust sheet, Sevier orogen: The role of cataclastic flow. Bulletin of the Geological Society of America, 2005, 117, 764.	3.3	17
198	Robust and exploratory analysis of active mesoscale tectonic zones in Japan utilizing the nationwide GPS array. Tectonophysics, 2005, 400, 27-53.	2.2	13
199	Evidence for self-similar, triangular slip distributions on earthquakes: Implications for earthquake and fault mechanics. Journal of Geophysical Research, 2005, 110, .	3.3	169
200	A model of damage mechanics for the deformation of the continental crust. Journal of Geophysical Research, 2005, 110 , .	3.3	29
201	Flow in multiscale fractal fracture networks. Geological Society Special Publication, 2006, 261, 31-45.	1.3	54

#	Article	IF	Citations
202	Three-dimensional geomechanical modeling for constraint of subseismic fault simulation. AAPG Bulletin, 2006, 90, 1337-1358.	1.5	87
203	Evidence for an earthquake barrier model from Mwâ^¼7.8 Kokoxili (Tibet) earthquake slip-distribution. Earth and Planetary Science Letters, 2006, 242, 354-364.	4.4	120
204	A correlation integral approach to the study of 26 January 2001 Bhuj earthquake, Gujarat, India. Journal of Geodynamics, 2006, 41, 385-399.	1.6	21
205	A High-Frequency View of the 1999 Chi-Chi, Taiwan, Source Rupture and Fault Mechanics. Bulletin of the Seismological Society of America, 2006, 96, 807-820.	2.3	5
206	A correlation between theb-value and the fractal dimension from the aftershock sequence of the 1999 Chi-Chi, Taiwan, earthquake. Geophysical Journal International, 2006, 167, 1215-1219.	2.4	44
207	Oscillatory regime of aftershocks of the 1984 Ddzhirgatal earthquake: Implications for the internal dynamics of an unstable geological system. Izvestiya, Physics of the Solid Earth, 2006, 42, 13-26.	0.9	1
208	Study of changes in the lineament structure, caused by earthquakes in South America by applying the lineament analysis to the Aster (Terra) satellite data. Advances in Space Research, 2006, 37, 690-697.	2.6	24
209	Why Does Theoretical Physics Fail to Explain and Predict Earthquake Occurrence?. Lecture Notes in Physics, 2006, , 303-359.	0.7	25
211	Fault Interaction, Earthquake Stress Changes, and the Evolution of Seismicity., 2007,, 225-255.		15
212	Seismicity Associated with the Sumatra-Andaman Islands Earthquake of 26 December 2004. Bulletin of the Seismological Society of America, 2007, 97, S25-S42.	2.3	52
213	Mechanical origin of power law scaling in fault zone rock. Geophysical Research Letters, 2007, 34, .	4.0	75
214	A mathematical formulation of accelerating moment release based on the stress accumulation model. Journal of Geophysical Research, 2007, 112 , .	3.3	33
215	Earthquake spatial distribution: the correlation dimension. Geophysical Journal International, 2007, 168, 1175-1194.	2.4	93
216	Fault interactions in the Sea of Marmara pull-apart (North Anatolian Fault): earthquake clustering and propagating earthquake sequences. Geophysical Journal International, 0, 171, 1185-1197.	2.4	101
217	Displacement transfer between intersecting regional strike-slip and extensional fault systems. Journal of Structural Geology, 2007, 29, 100-116.	2.3	61
218	Fractal variations of the Transcarpathians, West Ukraine, seismicity and their potential relation to changing phases of local seismic cycles. Acta Geophysica, 2007, 55, 288-301.	2.0	2
219	Tectonics, fracturing of rock, and erosion. Journal of Geophysical Research, 2007, 112, .	3.3	228
220	Multifractal Analysis of Earthquakes in the Southeastern Iran-Bam Region. Pure and Applied Geophysics, 2007, 164, 2271-2290.	1.9	31

#	Article	IF	CITATIONS
221	Modern strain localization in the central Walker Lane, western United States: Implications for the evolution of intraplate deformation in transtensional settings. Tectonophysics, 2008, 457, 239-253.	2.2	28
222	Collective behavior of earthquakes and faults: Continuumâ€discrete transitions, progressive evolutionary changes, and different dynamic regimes. Reviews of Geophysics, 2008, 46, .	23.0	387
223	The Stress Accumulation Model: Accelerating Moment Release and Seismic Hazard. Advances in Geophysics, 2008, 49, 67-201.	2.8	13
224	From decades to epochs: Spanning the gap between geodesy and structural geology of active mountain belts. Journal of Structural Geology, 2009, 31, 1409-1422.	2.3	36
225	Magma intrusion in the upper crust of the Abu Dabbab area, South East of Egypt from Vp and Vp/Vs tomography. Rendiconti Lincei, 2009, 20, 1-19.	2.2	12
226	Nonplanar Faults: Mechanics of Slip and Off-fault Damage. Pure and Applied Geophysics, 2009, 166, 1799-1815.	1.9	110
227	Patterns of co-seismic strain computed from southern California focal mechanisms. Geophysical Journal International, 2009, 177, 1015-1036.	2.4	29
228	Self-similarity of the largest-scale segmentation of the faults: Implications for earthquake behavior. Earth and Planetary Science Letters, 2009, 288, 370-381.	4.4	65
229	Faulting of Lemnos Island; a mirror of faulting of the North Aegean Trough (Northern Greece). Tectonophysics, 2009, 467, 72-88.	2.2	41
230	On the geometric complexity of earthquake focal zone and fault systems: A statistical study. Physics of the Earth and Planetary Interiors, 2009, 173, 254-268.	1.9	9
231	Temporal characteristics of seismicity in the Alborz and Zagros regions of Iran, using a multifractal approach. Journal of Geodynamics, 2009, 47, 271-279.	1.6	27
232	Flow Dimension and Anomalous Diffusion of Aquifer Tests in Fracture Networks. Vadose Zone Journal, 2009, 8, 258-268.	2.2	21
233	Regularities in transient modes in the seismic process according to the laboratory and natural modeling. Izvestiya, Physics of the Solid Earth, 2010, 46, 104-135.	0.9	32
234	Evolving geometrical heterogeneities of fault trace data. Geophysical Journal International, 0, 182, 551-567.	2.4	24
235	Quantifying focal mechanism heterogeneity for fault zones in central and southern California. Geophysical Journal International, 2010, 183, 433-450.	2.4	45
236	A likely universal model of fracture scaling and its consequence for crustal hydromechanics. Journal of Geophysical Research, 2010, 115, .	3.3	113
237	Scaleâ€invariant stress orientations and seismicity rates near the San Andreas Fault. Geophysical Research Letters, 2010, 37, .	4.0	27
238	Hierarchical model for distributed seismicity. Physical Review E, 2010, 82, 016118.	2.1	4

#	Article	IF	CITATIONS
239	Surface morphology of active normal faults in hard rock: Implications for the mechanics of the Asal Rift, Djibouti. Earth and Planetary Science Letters, 2010, 299, 169-179.	4.4	17
240	Distribution of seismicity across strikeâ€slip faults in California. Journal of Geophysical Research, 2010, 115, .	3 . 3	93
241	Mechanics, Structure and Evolution of Fault Zones. , 2010, , .		4
242	Geology of the earthquake source: an introduction. Geological Society Special Publication, 2011, 359, 1-16.	1.3	30
243	Frequency-size distribution of competent lenses in a block-in-matrix m \tilde{A} @lange: Imposed length scales of brittle deformation?. Journal of Geophysical Research, 2011, 116, .	3.3	39
245	Localised and distributed deformation in the lithosphere: Modelling the Dead Sea region in 3 dimensions. Earth and Planetary Science Letters, 2011, 308, 172-184.	4.4	26
246	Retrospective on the Accelerating Seismic Release (ASR) hypothesis: Controversy and new horizons. Tectonophysics, 2011, 505, 1-16.	2.2	76
247	Patterns of seismic swarm activity in the Corinth Rift in 2000–2005. Izvestiya, Physics of the Solid Earth, 2011, 47, 610-622.	0.9	6
248	Fracture systems in normal fault zones crosscutting sedimentary rocks, Northwest German Basin. Journal of Structural Geology, 2012, 45, 38-51.	2.3	37
249	Seismic response to electromagnetic sounding of the Earth's lithosphere. Izvestiya, Physics of the Solid Earth, 2012, 48, 615-639.	0.9	12
250	Regional variations and correlations of Gutenberg–Richter parameters and fractal dimension for the different seismogenic zones in Western Anatolia. Journal of Asian Earth Sciences, 2012, 58, 98-107.	2.3	25
251	Three different approaches for damage domain characterization in disordered materials: Fractal energy density, b-value statistics, renormalization group theory. Mechanics of Materials, 2012, 53, 15-28.	3.2	52
252	Maximum Likelihood Estimation of the Nonextensive Parameters of the Earthquake Cumulative Magnitude Distribution. Bulletin of the Seismological Society of America, 2012, 102, 886-891.	2.3	60
253	Multifractal analysis of earthquakes in Kumaun Himalaya and its surrounding region. Journal of Earth System Science, 2012, 121, 1033-1047.	1.3	23
254	Spatial variation of the aftershock activity across the Kachchh Rift Basin and its seismotectonic implications. Journal of Earth System Science, 2012, 121, 439-451.	1.3	17
255	Earthquake source parameters for the 2010 western Gulf of Aden rifting episode. Geophysical Journal International, 2012, 190, 1111-1122.	2.4	16
256	Non-extensivity analysis of seismicity within four subduction regions in Mexico. Acta Geophysica, 2012, 60, 833-845.	2.0	26
257	Multiscale Mapping of Completeness Magnitude of Earthquake Catalogs. Bulletin of the Seismological Society of America, 2013, 103, 2188-2202.	2. 3	32

#	Article	IF	CITATIONS
258	Prognostic anomalies of induced seismicity in the region of the Koyna-Warna water reservoirs, West India. Izvestiya, Physics of the Solid Earth, 2013, 49, 243-257.	0.9	5
259	Influence of damage in the acoustic emission parameters. Cement and Concrete Composites, 2013, 44, 9-16.	10.7	119
260	Field experiment in Soultz-sous-Forêts, 1993: Changes of the pattern of induced seismicity. Acta Geophysica, 2013, 61, 1598-1625.	2.0	1
261	Fractal-geometry techniques in the quantification of complex rock structures: AÂspecial view on scaling regimes, inhomogeneity and anisotropy. Journal of Structural Geology, 2013, 46, 2-21.	2.3	92
262	Anisotropy of fractal dimension of normal faults in northern Rocky Mountains: Implications for the kinematics of Cenozoic extension and Yellowstone hotspot's thermal expansion. Tectonophysics, 2013, 608, 530-544.	2.2	8
263	Kinematic model for out-of-sequence thrusting: Motion of two ramp-flat faults and the production of upper plate duplex systems. Journal of Structural Geology, 2013, 51, 132-143.	2.3	6
264	Evaluation of Wasatch fault segmentation and slip rates using Lake Bonneville shorelines. Journal of Geophysical Research: Solid Earth, 2013, 118, 2528-2543.	3.4	16
265	A perspective on the emergence of modern structural geology: Celebrating the feedbacks between historical-based and process-based approaches. , 2013, , .		10
266	Seismic Slip, Aseismic Slip, and the Mechanics of Repeating Earthquakes on the Calaveras Fault, California. Geophysical Monograph Series, 0, , 195-207.	0.1	42
267	Seismicity Modeling and Earthquake Prediction: A Review. Geophysical Monograph Series, 0, , 7-13.	0.1	21
269	Normal Fault Growth in Three-Dimensions in Continental and Oceanic Crust. Geophysical Monograph Series, 0, , 325-348.	0.1	25
270	Manifestation of Self-Similar Structure in Foreshock and Aftershock Seismicity. Computational Seismology and Geodynamics, 0, , 161-169.	0.0	1
272	Variability of the b value in the Gutenberg–Richter distribution. Geophysical Journal International, 2014, 199, 1765-1771.	2.4	36
273	Localized slip and distributed deformation in oblique settings: the example of the Denali fault system, Alaska. Geophysical Journal International, 2014, 197, 1284-1298.	2.4	22
274	Balancing reservoir creation and seismic hazard in enhanced geothermal systems. Geophysical Journal International, 2014, 198, 1585-1598.	2.4	20
275	Analysis of seismicity and micro-seismicity associated with the October–November 2010 Sampeyre swarm, Southwestern Alps. Tectonophysics, 2014, 611, 130-140.	2.2	9
276	Prediction of magnitude of the largest potentially induced seismic event. Journal of Seismology, 2014, 18, 421-431.	1.3	64
277	lce surface morphology and flow on Malaspina Glacier, Alaska: Implications for regional tectonics in the Saint Elias orogen. Tectonics, 2014, 33, 581-595.	2.8	7

#	ARTICLE	IF	CITATIONS
278	Lateral variations in the longâ€term slip rate of the Chelungpu fault, Central Taiwan, from the analysis of deformed fluvial terraces. Journal of Geophysical Research: Solid Earth, 2014, 119, 3740-3766.	3.4	10
279	Structure and kinematics of the Taupo Rift, New Zealand. Tectonics, 2014, 33, 1178-1199.	2.8	64
280	Temporal variation in the magnitudeâ€frequency distribution during the Guyâ€Greenbrier earthquake sequence. Geophysical Research Letters, 2015, 42, 6639-6646.	4.0	58
281	Integrated Characterization and Modeling of Faults and Fractures: Their Impact on Reservoir Performance with Changing In-situ Stresses, Abu Dhabi. , 2015, , .		2
282	An objective method for the assessment of fluid injectionâ€induced seismicity and application to tectonically active regions in central California. Journal of Geophysical Research: Solid Earth, 2015, 120, 7013-7032.	3.4	30
283	Fault Interaction, Earthquake Stress Changes, and the Evolution of Seismicity., 2015, , 243-271.		25
284	Low-temperature thermochronology of the Yakutat plate corner, St. Elias Range (Alaska): bridging short-term and long-term deformation. Quaternary Science Reviews, 2015, 113, 23-38.	3.0	23
285	<i>FractalAnalyzer</i> : A MATLAB Application for Multifractal Seismicity Analysis. Seismological Research Letters, 2015, 86, 1424-1431.	1.9	14
286	Spatial-temporal analysis of seismicity before the 2012 Varzeghan, Iran, Mw 6.5 earthquake. Turkish Journal of Earth Sciences, 2015, 24, 289-301.	1.0	6
287	Generic alongâ€strike segmentation of <scp>A</scp> far normal faults, <scp>E</scp> ast <scp>A</scp> frica: Implications on fault growth and stress heterogeneity on seismogenic fault planes. Geochemistry, Geophysics, Geosystems, 2015, 16, 443-467.	2.5	83
288	Sampling the uncertainty associated with segmented normal fault interpretation using a stochastic downscaling method. Tectonophysics, 2015, 639, 56-67.	2.2	20
289	Seismic source characteristics in Kachchh and Saurashtra regions of Western India: b-value and fractal dimension mapping of aftershock sequences. Natural Hazards, 2015, 77, 33-49.	3.4	36
290	Effects of errors and biases on the scaling of earthquake spatial pattern: application to the 2004 Sumatra–Andaman sequence. Natural Hazards, 2015, 77, 75-96.	3.4	4
291	Fractal analysis and yule statistics for seismic prediction based on 2009 L'Aquila earthquake in Italy. Arabian Journal of Geosciences, 2015, 8, 2457-2465.	1.3	8
292	Enhancing Oil Recovery - Advanced Simulations for More Accurate Frac-Stages Placement. , 2016, , .		2
293	Generalized statistical mechanics approaches to earthquakes and tectonics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160497.	2.1	71
294	Precursor times of abnormal b-values prior to mainshocks. Journal of Seismology, 2016, 20, 905-919.	1.3	16
295	A Mechanism Causing (i>b ⟨/i>â€Value Anomalies Prior to a Mainshock. Bulletin of the Seismological Society of America, 2016, 106, 1663-1671.	2.3	13

#	Article	IF	CITATIONS
296	Location of largest earthquake slip and fast rupture controlled by alongâ€strike change in fault structural maturity due to fault growth. Journal of Geophysical Research: Solid Earth, 2016, 121, 3666-3685.	3.4	175
297	Statistical physics approach to earthquake occurrence and forecasting. Physics Reports, 2016, 628, 1-91.	25.6	137
298	Gutenberg–Richter law for deep earthquakes revisited: A dual-mechanism hypothesis. Earth and Planetary Science Letters, 2017, 461, 1-7.	4.4	47
299	A fiber-bundle model for the continuum deformation of brittle material. International Journal of Fracture, 2017, 204, 225-237.	2.2	7
300	Temporal and spatial variations of Gutenberg-Richter parameter and fractal dimension in Western Anatolia, Turkey. Journal of Asian Earth Sciences, 2017, 138, 1-11.	2.3	15
301	What allows seismic events to grow big?: Insights from b-value and fault roughness analysis in laboratory stick-slip experiments. Geology, 2017, 45, 815-818.	4.4	113
302	Long-range dependence in earthquake-moment release and implications for earthquake occurrence probability. Scientific Reports, 2018, 8, 5326.	3.3	10
303	Dynamics of Induced Seismicity during the Filling of the Nurek Reservoir. Izvestiya, Physics of the Solid Earth, 2018, 54, 641-651.	0.9	6
304	Fluctuations of $1/f$ Noise in Damaging Structures Analyzed by Acoustic Emission. Applied Sciences (Switzerland), 2018, 8, 1685.	2.5	14
305	The transpressive southern termination of the Bucaramanga fault (Colombia): Insights from geological mapping, stress tensors, and fractal analysis. Journal of Structural Geology, 2018, 115, 190-207.	2.3	29
306	Multi-fractal conditional simulation of fault populations in coal seams using analogues: Method and application. International Journal of Mining, Reclamation and Environment, 2019, 33, 340-352.	2.8	5
307	Introduction to Geologic Structural Discontinuities. , 2019, , 1-26.		1
308	Elastic Rock Rheology and Stress Concentration. , 2019, , 27-74.		2
309	Stress, Mohr Circles, and Deformation at Peak Strength. , 2019, , 75-142.		0
310	Cracks and Anticracks. , 2019, , 143-169.		0
311	Discontinuity Patterns and Their Interpretation. , 2019, , 170-208.		2
312	Faults. , 2019, , 209-264.		0
313	Deformation Bands. , 2019, , 265-331.		0

#	Article	IF	CITATIONS
314	Fracture Mechanics: A Tour of Basic Principles. , 2019, , 332-399.		1
315	Beyond Linear Elastic Fracture Mechanics. , 2019, , 400-503.		0
319	Seismicity around Late Quaternary Active Faults in China. Bulletin of the Seismological Society of America, 2019, 109, 1498-1523.	2.3	2
320	Fractal Study of the 1997–2017 Italian Seismic Sequences: A Joint Analysis of Seismological Data and DInSAR Measurements. Remote Sensing, 2019, 11, 2112.	4.0	4
321	Frequent observations of identical onsets of large and small earthquakes. Nature, 2019, 573, 112-116.	27.8	47
322	Statistical modelling of co-seismic knickpoint formation and river response to fault slip. Earth Surface Dynamics, 2019, 7, 681-706.	2.4	5
323	Estimates of Lithospheric Failure Cycle Parameters from Regional Earthquake Catalogues. Izvestiya, Physics of the Solid Earth, 2019, 55, 701-718.	0.9	4
324	Investigation on heat extraction characteristics in randomly fractured geothermal reservoirs considering thermoâ€poroelastic effects. Energy Science and Engineering, 2019, 7, 1705-1726.	4.0	23
325	Prediction of floor water disasters based on fractal analysis of geologic structure and vulnerability index method for deep coal mining in the Yanzhou mining area. Geomatics, Natural Hazards and Risk, 2019, 10, 1306-1326.	4.3	13
326	A preliminary text classification of the precursory accelerating seismicity corpus: inference on some theoretical trends in earthquake predictability research from 1988 to 2018. Journal of Seismology, 2019, 23, 771-785.	1.3	7
327	Dynamic Multifractality of Seismic Activity in Northeast India. Pure and Applied Geophysics, 2019, 176, 1561-1577.	1.9	3
329	Deformation field around a thrust fault: A comparison between laboratory results and GPS observations of the 2008 Wenchuan earthquake. Earth and Planetary Physics, 2019, 3, 1-9.	1.1	2
330	Variable normal-fault rupture behavior, northern Lost River fault zone, Idaho, USA., 2019, 15, 1869-1892.		29
331	Quantitative prediction of sub-seismic faults and their impact on waterflood performance: Bozhong 34 oilfield case study. Journal of Petroleum Science and Engineering, 2019, 172, 60-69.	4.2	13
332	Seismogenic nodes defined with pattern recognition in the French Massif Central. Journal of Iberian Geology, 2019, 45, 63-72.	1.3	4
333	Seismic Characteristics and Seismic Hazard Assessment: Source Region of the 2015 Nepal Earthquake Mw 7.8 in Central Himalaya. Pure and Applied Geophysics, 2020, 177, 181-194.	1.9	3
334	Discrete fracture network model of the vapor zone leakages at the Copahue geothermal field. Journal of Structural Geology, 2020, 140, 104155.	2.3	8
335	Hypocenter dimension of 7.5 mw Palu earthquake using fractal approach. IOP Conference Series: Earth and Environmental Science, 2020, 575, 012161.	0.3	O

#	Article	IF	CITATIONS
336	Curvature, a mechanical link between the geometrical complexities of a fault: application to bends, kinks and rough faults. Geophysical Journal International, 2020, 223, 211-232.	2.4	19
337	Surface slip distributions and geometric complexity of intraplate reverse-faulting earthquakes. Bulletin of the Geological Society of America, 2021, 133, 1909-1929.	3.3	21
338	Kinematic and Statistical Analysis of Fold Related Fractures in the Northeast of Kopet Dagh Folded Belt, Northeast Iran. Journal of the Geological Society of India, 2021, 97, 428-441.	1.1	1
339	Complex Fault Geometry of the 2020 MwwÂ6.5 Monte Cristo Range, Nevada, Earthquake Sequence. Seismological Research Letters, 2021, 92, 1876-1890.	1.9	14
340	Spaceâ€√ime Stress Variations on the Paluâ€Koro Fault Impacting the 2018 Mw 7.5 Palu Earthquake and Its Seismic Hazards. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009552.	2.5	10
341	A Granular Jamming Model for Lowâ€Frequency Earthquakes. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021963.	3.4	8
342	Risk assessment of roof water disaster due to multi-seam mining at Wulunshan Coal Mine in China. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	14
343	Bayesian estimation of b-value in Gutenberg–Richter relationship: a sample size reduction approach. Natural Hazards, 0, , 1.	3.4	2
344	Geo-complexity and Earthquake Prediction. , 2009, , 4178-4194.		5
345	Geo-complexity and Earthquake Prediction. , 2011, , 573-588.		2
346	Fractures and Physical Heterogeneity in Crustal Rock. , 2003, , 155-186.		11
347	Fractal Distributions in Geology, Scale Invariance, and Deterministic Chaos. , 1995, , 1-40.		18
348	Fractal Analysis of Scaling and Spatial Clustering of Fractures. , 1995, , 141-178.		97
349	Fractal Fragmentation in Crustal Shear Zones. , 1995, , 179-204.		8
350	Nonplanar Faults: Mechanics of Slip and Off-fault Damage. , 2009, , 1799-1815.		17
351	Multifractal Analysis of Earthquakes. , 1992, , 591-610.		25
352	Fractal Reconstruction of Sea-Floor Topography. , 1989, , 197-210.		9
353	Fractal Dimension of Fault Systems in Japan: Fractal Structure in Rock Fracture Geometry at Various Scales., 1989,, 157-170.		54

#	Article	IF	CITATIONS
354	Speculations on the Geometry of the Initiation and Termination Processes of Earthquake Rupture and its Relation to Morphology and Geological Structure. , 1986, , 567-585.		27
355	Intermittent Criticality and the Gutenberg-Richter Distribution. , 2004, , 1945-1956.		11
356	Characterization of Fault Zones. , 2003, , 677-715.		53
357	Main Topics of Fractal Research into Earthquakes in China, a Review. , 1994, , 197-211.		1
358	Patterns of Active Shear in Fennoscandia. , 1989, , 441-466.		14
359	Earthquake faulting, induced fluid flow, and fault-hosted gold-quartz mineralization. Proceedings of the International Conferences on Basement Tectonics, 1992, , 603-614.	0.1	18
361	Techniques for Earthquake Ground-Motion Calculation with Applications to Source Parameterization of Finite Faults., 1987,, 205-265.		45
362	Reservoir compartmentation by faults in Cormorant Block IV, U.K. northern North Sea., 1992,, 355-364.		9
365	Case 7A: Observational and physical bases for the coda Qâ^1 precursor., 1991,, 33-53.		6
366	Fractal structure of the time distribution of microfracturing in rocks. Geophysical Journal International, 1999, 136, 275-285.	2.4	6
367	On two characteristic frequencies of acceleration spectra: Patch corner frequency and <i>f</i> max. Bulletin of the Seismological Society of America, 1988, 78, 509-529.	2.3	81
369	The physics of fault friction: insights from experiments on simulated gouges at low shearing velocities. Solid Earth, 2020, 11, 2075-2095.	2.8	14
370	Fractal Concepts and their Application to Earthquakes in Austria. , 2000, , 49-75.		3
372	Non-linearity of the 1998-1999 Quito swarm associated to Guagua Pichincha volcano activity, Ecuador. Bulletin De L'Institut Français D'études Andines, 2003, , 1-22.	0.2	0
373	Rheology Based on Damage Mechanics. Zisin (Journal of the Seismological Society of Japan 2nd Ser), 2007, 59, 223-235.	0.2	2
374	Group Report: Rheology of Fault Rocks and Their Surroundings. , 2007, , 183-204.		5
375	Accelerating Moment Release before Large Earthquakes. , 2008, , 205-221.		0
376	Nonlinearities and fractal properties of the European-Mediterranean seismotectonic model. Geodinamika I Tektonofizika, 2010, 1, 225-230.	0.7	1

#	Article	IF	CITATIONS
378	Fractured but Not Fractal: Fragmentation of the Gulf of Suez Basement., 1989,, 289-305.		2
379	FRACTAL APPLICATIONS TO COMPLEX CRUSTAL PROBLEMS. , 1989, , 337-347.		0
380	Structure of a fault segment boundary in the Lost River fault zone, Idaho, and possible effect on the 1983 Borah Peak earthquake rupture. Bulletin of the Seismological Society of America, 1990, 80, 57-68.	2.3	39
381	Fault zone trapped seismic waves. Bulletin of the Seismological Society of America, 1990, 80, 1245-1271.	2.3	146
382	Towards a New View of Earthquake Phenomena. , 1992, , 531-548.		6
383	The Mechanisms of Finite Brittle Strain. , 1992, , 611-640.		9
385	Development of Subcracks Between en echelon Fractures in Rock Plates., 1995,, 759-773.		0
386	Fractal geometry and seismicity in the Mexican subduction zone. Geofisica International, 1998, 37, 29-33.	0.2	11
387	Characterization of Fractures and Fracture Network of Porous Media., 2015,, 63-88.		0
389	Self-Organized Fractal Seismicity and b-Value of Aftershocks of the 2015 Gorkha Earthquake, Nepal. International Journal of Geosciences, 2020, 11, 562-579.	0.6	1
390	Frequencyâ€Magnitude Statistics of Laboratory Foreshocks Vary With Shear Velocity, Fault Slip Rate, and Shear Stress. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022175.	3.4	15
392	Late Triassic-Early Jurassic extensional tectonics in the Neuquén Basin (Argentina). New insights from stratigraphic and structural analyses of the Chachil depocenter (39°S). Journal of Structural Geology, 2022, 154, 104483.	2.3	5
393	Relationship Between Dike Injection and <i>b</i> àêValue for Volcanic Earthquake Swarms. Journal of Geophysical Research: Solid Earth, 2021, 126, .	3.4	7
394	Generation mechanism of the 26 s and 28 s tremors in the Gulf of Guinea from statistical analysis of magnitudes and event intervals. Earth and Planetary Science Letters, 2022, 578, 117334.	4.4	2
395	How similar was the 1983 <i>M</i> w 6.9 Borah Peak earthquake rupture to its surface-faulting predecessors along the northern Lost River fault zone (Idaho, USA)?. Bulletin of the Geological Society of America, 0, , .	3.3	1
396	Numerical precursory study on strong earthquakes in southern and Baja California. Geosystems and Geoenvironment, 2022, 1, 100066.	3.2	8
398	Multi-scale flow structure of a strike-slip tectonic setting: A self-similar model for the Liquiñe-Ofqui Fault System and the Andean Transverse Faults, Southern Andes (39–40°S). Geothermics, 2022, 103, 102424.	3.4	1
400	Interseismic Masking of Fault Slip Deficit Rates by Earthquake Cycle Processes and Local Block Rotations. Seismological Research Letters, 0, , .	1.9	0

#	Article	IF	CITATIONS
401	Linking Earthquake Magnitudeâ€Frequency Statistics and Stress in Viscoâ€Frictional Fault Zone Models. Geophysical Research Letters, 2022, 49, .	4.0	5
402	Three-dimensional b-value and Fractal Dimension Mapping of the Uttarakhand Himalayan Region. Journal of the Geological Society of India, 2022, 98, 1365-1379.	1.1	2
403	Crustal deformation processes and the stability of the Gutenberg-Richter relationship. Bulletin of the Seismological Society of America, 1999, 89, 1131-1137.	2.3	58
404	A discontinuous Galerkin method for sequences of earthquakes and aseismic slip on multiple faults using unstructured curvilinear grids. Geophysical Journal International, 2022, 233, 586-626.	2.4	7
405	Variations of the seismic b-value along the Dead Sea transform. Frontiers in Earth Science, 0, 10 , .	1.8	0
406	A new fractal approach to the clustering of earthquakes: Physical fractal. Bulletin of the Seismological Society of America, 1998, 88, 89-94.	2.3	5
407	Experimental study on strain field evolution around a simulated thrust fault. Earthquake Science, 2023, 36, 40-51.	0.9	0
409	Simulation of Lunar Comprehensive Substructure With Fracture and Imaging of Later LPR Data From Chang'e-4 Mission. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-11.	6.3	1
410	Unveiling the pre-eruptive seismic series of the La Palma 2021 eruption: Insights through a fully automated analysis. Journal of Volcanology and Geothermal Research, 2023, 444, 107946.	2.1	0
411	Emergence and growth of faults during earthquakes: Insights from a dynamic elasto-plastic continuum model. Tectonophysics, 2023, 868, 230089.	2.2	О
412	Study on deep learning methods for coal burst risk prediction based on mining-induced seismicity quantification. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2023, 9, .	2.9	1
413	Intermittent Criticality Multiâ€Scale Processes Leading to Large Slip Events on Rough Laboratory Faults. Journal of Geophysical Research: Solid Earth, 2024, 129, .	3.4	O