Alison Ord

List of Publications by Year
in descending order

187	4,909	63230	103158
papers	citations	40 h-index	62 g-index

194	194	194	2084
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deformation mechanisms and rheology inversion of jointly deformed marble and quartzite in natural thermal gradient. Journal of Structural Geology, 2023, 173, 104892.	2.5	1
2	Simulating dual solutions ofÂcoupled pore-fluid flow andÂchemical dissolution problemsÂinÂfluid-saturated heterogeneous porous media. Engineering Computations, 2023, 40, 973-996.	1.7	0
3	The growth and size of orogenic gold systems: probability and dynamical behaviour. Australian Journal of Earth Sciences, 2023, 70, 932-946.	1.0	2
4	Semi-analytical finite element method for simulating chemical dissolution-front instability problems in fluid-saturated porous media. Engineering Computations, 2022, 39, 1781-1801.	1.7	5
5	Orogenic gold deposits as nonlinear systems: Nonlinear analysis of data. Ore Geology Reviews, 2022, 142, 104699.	3.0	3
6	Fragment size distributions in brittle deformed rocks. Journal of Structural Geology, 2022, 154, 104496.	2.5	6
7	The spatial distributions of mineralisation. Journal of Structural Geology, 2022, 156, 104529.	2.5	6
8	Applying benefits and avoiding pitfalls of 3D computational modeling-based machine learning prediction for exploration targeting: Lessons from two mines in the Tongling-Anqing district, eastern China. Ore Geology Reviews, 2022, 142, 104712.	3.0	12
9	A novel algorithm for implementing perturbations in computational simulations of chemical dissolutionâ€front instability problems within fluidâ€saturated porous media. International Journal for Numerical and Analytical Methods in Geomechanics, 2022, 46, 2115-2137.	3.3	6
10	Localized folding of thick layers. Journal of Structural Geology, 2022, 161, 104669.	2.5	3
11	Failure modes in fluid saturated rocks: deformation processes and mode-switching. Geological Magazine, 2022, 159, 2002-2019.	1.7	5
12	An accurate porosityâ€velocityâ€concentration approach for solving reactive mass transport problems involving chemical dissolution in fluidâ€saturated porous media with arbitrarily initial porosity distributions. International Journal for Numerical Methods in Engineering, 2021, 122, 7354-7377.	3.0	7
13	Effects of mathematical transforms on theoretical analysis and computational simulation of chemical dissolution-front instability within fluid-saturated porous media. Journal of Hydrology, 2021, 600, 126531.	5.9	9
14	Two different mathematical schemes for solving chemical dissolution-front instability problems in fluid-saturated rocks. Science China Technological Sciences, 2021, , .	4.5	0
15	Mixed solutions of mathematical and numerical methods for reactive mass transport problems of two different porosity regions in fluid-saturated porous media. Journal of Hydrology, 2020, 580, 124145.	5.9	6
16	Numerical modeling of ore-forming processes within the Chating Cu-Au porphyry-type deposit, China: Implications for the longevity of hydrothermal systems and potential uses in mineral exploration. Ore Geology Reviews, 2020, 116, 103230.	3.0	27
17	A semianalytical approach for solving firstâ€order perturbation equations of dissolutionâ€timescale reactive infiltration instability problems in fluidâ€saturated rocks. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 2070-2092.	3.3	9
18	The relative strengths of deforming mineral phase assemblages: Geometrically necessary deformation mechanisms. Journal of Structural Geology, 2020, 137, 104056.	2.5	1

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19	3D Numerical Simulation-Based Targeting of Skarn Type Mineralization within the Xuancheng-Magushan Orefield, Middle-Lower Yangtze Metallogenic Belt, China. Lithosphere, 2020, 2020, .	1.5	9
20	Quantitative measures of deformed rocks: The links to dynamics. Journal of Structural Geology, 2019, 125, 74-81.	2.5	4
21	Rheology of mixed deformation mechanisms and mineral phase assemblages. Journal of Structural Geology, 2019, 129, 103891.	2.5	5
22	Closure to â€œAnalytical Solution for Dissolution-Timescale Reactive Transport in Fluid-Saturated Porous Rocksâ€•by Chongbin Zhao, B. E. Hobbs, and A. Ord. International Journal of Geomechanics, 2019, 19, 07019004.	3.0	0
23	Finite element modeling of convective pore-fluid flow in fluid-saturated porous rocks within upper crust: An overview. Journal of Central South University, 2019, 26, 501-514.	3.8	5
24	An interfaceâ€•condition substitution strategy for theoretical study of dissolutionâ€•timescale reactive infiltration instability in fluidâ€•saturated porous rocks. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 1576-1593.	3.3	12
25	Numerical Simulation Based Targeting of the Magushan Skarn Cuâ€“Mo Deposit, Middle-Lower Yangtze Metallogenic Belt, China. Minerals (Basel, Switzerland), 2019, 9, 588.	2.0	8
26	3D computational simulation-based mineral prospectivity modeling for exploration for concealed Feâ€“Cu skarn-type mineralization within the Yueshan orefield, Anqing district, Anhui Province, China. Ore Geology Reviews, 2019, 105, 1-17.	3.0	56
27	Computational modeling of convective seepage flow in fluid-saturated heterogeneous rocks: Steady-state approach. Computers and Geosciences, 2019, 123, 103-110.	4.6	4
28	Transient-state instability analysis of dissolution-timescale reactive infiltration in fluid-saturated porous rocks: Purely mathematical approach. Science China Technological Sciences, 2019, 63, 319-328.	4.5	24
29	Episodic modes of operation in hydrothermal gold systems: Part I. Deformation, mineral reactions and chaos. Geological Society Special Publication, 2018, 453, 121-146.	1.5	15
30	Spatial organization of gold and alteration mineralogy in hydrothermal systems: wavelet analysis of drillcore from Sunrise Dam Gold Mine, Western Australia. Geological Society Special Publication, 2018, 453, 165-204.	1.5	9
31	Episodic modes of operation in hydrothermal gold systems: Part II. A model for gold deposition. Geological Society Special Publication, 2018, 453, 147-164.	1.5	13
32	Modeling of mountain topography effects on hydrothermal Pb-Zn mineralization patterns: Generic model approach. Journal of Geochemical Exploration, 2018, 190, 400-410.	3.3	17
33	Analytical Solution for Dissolution-Timescale Reactive Transport in Fluid-Saturated Porous Rocks. International Journal of Geomechanics, 2018, 18, .	3.0	15
34	Coupling of fluid flow to permeability development in mid- to upper crustal environments: a tale of three pressures. Geological Society Special Publication, 2018, 453, 81-120.	1.5	9
35	Nonlinear dynamical analysis of GNSS data: quantification, precursors and synchronisation. Progress in Earth and Planetary Science, 2018, 5, .	2.2	11
36	ä¸åŒæ•°å€¼çš—æ³•å¯¹æ¡ˆÝé¥±æº´å”éš™å²©çŸ³ä¸åŒ–å¦ æºè§£é¢éžç¨³å®šæ€§ç„¡å½±å“• Journal of Central South University, 201	3.8	16

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37	Detection of unstable periodic orbits in mineralising geological systems. Chaos, 2018, 28, .	2.9	16
38	Validity of using large-density asymptotics for studying reaction-infiltration instability in fluid-saturated rocks. Journal of Hydrology, 2018, 559, 454-460.	5.9	6
39	Nonlinear analysis of natural folds using wavelet transforms and recurrence plots. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170257.	2.8	6
40	Reply to comment on â€œvalidity of using large-density asymptotics for studying reaction-infiltration instability in fluid-saturated rocksâ€. Journal of Hydrology, 2018, 564, 928-929.	5.9	2
41	A unified theory for sharp dissolution front propagation in chemical dissolution of fluid-saturated porous rocks. Science China Technological Sciences, 2018, 62, 163-174.	4.5	14
42	Effects of acid dissolution capacity on the propagation of an acid-dissolution front in carbonate rocks. Computers and Geosciences, 2017, 102, 109-115.	4.6	4
43	Pressure and equilibrium in deforming rocks. Journal of Metamorphic Geology, 2017, 35, 967-982.	3.8	16
44	A new alternative approach for investigating acidization dissolution front propagation in fluid-saturated carbonate rocks. Science China Technological Sciences, 2017, 60, 1197-1210.	4.5	34
45	Does non-hydrostatic stress influence the equilibrium of metamorphic reactions?. Earth-Science Reviews, 2016, 163, 190-233.	8.7	25
46	Chemical dissolution-front instability associated with water-rock reactions in groundwater hydrology: Analyses of porosity-permeability relationship effects. Journal of Hydrology, 2016, 540, 1078-1087.	5.9	47
47	Hydrothermal mineralising systems as chemical reactors: Wavelet analysis, multifractals and correlations. Ore Geology Reviews, 2016, 79, 155-179.	3.0	23
48	Three-dimensional mineral prospectivity modeling for targeting of concealed mineralization within the Zhonggu iron orefield, Ningwu Basin, China. Ore Geology Reviews, 2015, 71, 633-654.	3.0	70
49	Non-Linear Thermo-Mechanics of Folding in Geomaterials. Lecture Notes in Earth System Sciences, 2014, , 753-756.	0.0	1
50	Entropic Bounds for Multi-Scale and Multi-Physics Coupling in Earth Sciences. Understanding Complex Systems, 2014, , 323-335.	0.0	5
51	Effects of Medium Permeability Anisotropy on Chemical-Dissolution Front Instability in Fluid-Saturated Porous Media. Transport in Porous Media, 2013, 99, 119-143.	2.2	32
52	Computational modeling of free-surface slurry flow problems using particle simulation method. Journal of Central South University, 2013, 20, 1653-1660.	3.8	4
53	Localised folding in general deformations. Tectonophysics, 2013, 587, 30-45.	2.3	8
54	Analytical solutions of nonaqueous-phase-liquid dissolution problems associated with radial flow in fluid-saturated porous media. Journal of Hydrology, 2013, 494, 96-106.	5.9	35

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55	The mechanics of hydrothermal systems: I. Ore systems as chemical reactors. Ore Geology Reviews, 2012, 49, 1-44.	3.0	61
56	Localized and chaotic folding: the role of axial plane structures. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 1966-2009.	2.8	15
57	Effects of domain shapes on the morphological evolution of nonaqueous-phase-liquid dissolution fronts in fluid-saturated porous media. Journal of Contaminant Hydrology, 2012, 138-139, 123-140.	4.1	21
58	The mechanics of hydrothermal systems: II. Fluid mixing and chemical reactions. Ore Geology Reviews, 2012, 49, 45-71.	3.0	28
59	Toward enhanced subsurface intervention methods using chaotic advection. Journal of Contaminant Hydrology, 2012, 127, 15-29.	4.1	55
60	Effects of medium and poreâ€fluid compressibility on chemicalâ€dissolution front instability in fluidâ€saturated porous media. International Journal for Numerical and Analytical Methods in Geomechanics, 2012, 36, 1077-1100.	3.3	43
61	Microstructures in deformingâ€“reactive systems. Geological Society Special Publication, 2011, 360, 273-299.	1.5	2
62	Microfabrics as energy minimisers: Rotation recrystallisation as an example. Journal of Structural Geology, 2011, 33, 220-243.	2.5	11
63	The thermodynamics of deformed metamorphic rocks: A review. Journal of Structural Geology, 2011, 33, 758-818.	2.5	57
64	Computational simulation of convective flow in the Earth crust under consideration of dynamic crust-mantle interactions. Central South University, 2011, 18, 2080-2084.	0.7	9
65	A partially open porous media flow with chaotic advection: towards a model of coupled fields. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 217-230.	2.8	25
66	The mechanics of granitoid systems andÂmaximumÂentropy production rates. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 53-93.	2.8	18
67	Theoretical Analyses of the Effects of Solute Dispersion on Chemical-Dissolution Front Instability in Fluid-Saturated Porous Media. Transport in Porous Media, 2010, 84, 629-653.	2.2	50
68	Folding with thermal mechanical feedback: Another reply. Journal of Structural Geology, 2010, 32, 131-134.	2.5	6
69	An experimental and theoretical study of the mixing characteristics of a periodically reoriented irrotational flow. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 2147-2162.	2.8	22
70	Fracture pattern formation in frictional, cohesive, granular material. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 95-118.	2.8	18
71	Scalar dispersion in a periodically reoriented potential flow: Acceleration via Lagrangian chaos. Physical Review E, 2010, 81, .	2.1	28
72	On oscillating flows in randomly heterogeneous porous media. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 197-216.	2.8	9

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73	Theoretical and numerical investigation into roles of geofluid flow in ore forming systems: Integrated mass conservation and generic model approach. Journal of Geochemical Exploration, 2010, 106, 251-260.	3.3	36
74	The interaction of deformation and metamorphic reactions. Geological Society Special Publication, 2010, 332, 189-223.	1.5	31
75	Computational simulation for the morphological evolution of nonaqueous phase liquid dissolution fronts in two-dimensional fluid-saturated porous media. Computational Geosciences, 2010, 15, 167-183.	2.1	39
76	Lagrangian topology of a periodically reoriented potential flow: Symmetry, optimization, and mixing. Physical Review E, 2009, 80, .	2.1	34
77	Folding with thermal-mechanical feedback: A reply. Journal of Structural Geology, 2009, 31, 752-755.	2.5	13
78	Effective loading algorithm associated with explicit dynamic relaxation method for simulating static problems. Central South University, 2009, 16, 125-130.	0.7	10
79	Faulting and fluid flow in porous rocks and sediments: implications for mineralisation and other processes. Mineralium Deposita, 2009, 44, 705-718.	3.7	26
80	Critical contact stiffness concept and simulation of crack generation in particle models of large length-scales. Computers and Geotechnics, 2009, 36, 81-92.	5.8	5
81	Chemical and biological transport in deforming porous media. Journal of Geochemical Exploration, 2009, 101, 77.	3.3	1
82	Deformation with coupled chemical diffusion. Physics of the Earth and Planetary Interiors, 2009, 172, 43-54.	1.8	22
83	Effects of Mineral Dissolution Ratios on Chemical-Dissolution Front Instability in Fluid-Saturated Porous Media. Transport in Porous Media, 2009, 82, 317-335.	2.2	75
84	First Steps Towards Modeling a Multi-Scale Earth System. Lecture Notes in Earth Sciences, 2009, , 1-25.	0.0	2
85	Introduction. Lecture Notes in Earth Sciences, 2009, , 1-6.	0.0	6
86	The Particle Simulation Method for Dealing with Spontaneous Crack Generation Problems in Large-Scale Geological Systems. Lecture Notes in Earth Sciences, 2009, , 175-220.	0.0	1
87	A Progressive Asymptotic Approach Procedure for Simulating Steady-State Natural Convective Problems in Fluid-Saturated Porous Media. Lecture Notes in Earth Sciences, 2009, , 7-36.	0.0	0
88	A Consistent Point-Searching Interpolation Algorithm for Simulating Coupled Problems between Deformation, Pore-Fluid Flow, Heat Transfer and Mass Transport Processes in Hydrothemal Systems. Lecture Notes in Earth Sciences, 2009, , 37-71.	0.0	0
89	A Segregated Algorithm for Simulating Chemical Dissolution Front Instabilities in Fluid-Saturated Porous Rocks. Lecture Notes in Earth Sciences, 2009, , 95-119.	0.0	0
90	A Decoupling Procedure for Simulating Fluid Mixing, Heat Transfer and Non-Equilibrium Redox Chemical Reactions in Fluid-Saturated Porous Rocks. Lecture Notes in Earth Sciences, 2009, , 121-151.	0.0	0

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91	An Equivalent Source Algorithm for Simulating Thermal and Chemical Effects of Intruded Magma Solidification Problems. Lecture Notes in Earth Sciences, 2009, , 153-173.	0.0	0
92	A Term Splitting Algorithm for Simulating Fluid-Rock Interaction Problems in Fluid-Saturated Hydrothermal Systems of Subcritical Zhao Numbers. Lecture Notes in Earth Sciences, 2009, , 73-93.	0.0	0
93	Transport in a partially open porous media flow. Proceedings of SPIE, 2008, , .	0.0	8
94	Theoretical and numerical analyses of pore-fluid flow focused heat transfer around geological faults and large cracks. Computers and Geotechnics, 2008, 35, 357-371.	5.8	9
95	Inversely-Mapped Analytical Solutions for Flow Patterns around and within Inclined Elliptic Inclusions in Fluid-Saturated Rocks. Mathematical Geosciences, 2008, 40, 179-197.	2.6	24
96	Investigating dynamic mechanisms of geological phenomena using methodology of computational geosciences: An example of equal-distant mineralization in a fault. Science in China Series D: Earth Sciences, 2008, 51, 947-954.	0.5	38
97	Potential mechanisms of pore-fluid movement from continental lithospheric mantle into upper continental crust. Central South University, 2008, 15, 81-88.	0.7	2
98	Morphological evolution of threeâ€dimensional chemical dissolution front in fluidâ€saturated porous media: a numerical simulation approach. Geofluids, 2008, 8, 113-127.	0.8	59
99	Folding with thermalâ€“mechanical feedback. Journal of Structural Geology, 2008, 30, 1572-1592.	2.5	49
100	Predictive targeting in Australian orogenic-gold systems at the deposit to district scale using numerical modelling. Australian Journal of Earth Sciences, 2008, 55, 101-122.	1.0	23
101	Fault-related dilation, permeability enhancement, fluid flow and mineral precipitation patterns: numerical models. Geological Society Special Publication, 2008, 299, 239-255.	1.5	55
102	Convective Heat Transfer within Three-Dimensional Inclined Faults Heated from Below. , 2008, , 161-178.		0
103	Double-Diffusion Driven Convective Heat Transfer within Three-Dimensional Vertical Faults Heated from Below. , 2008, , 179-194.		0
104	Convection Induced Ore Body Formation and Mineralization within the Upper Crust of the Earth. , 2008, , 195-213.		0
105	Distribution of Pore-Fluid Pressure Gradient in the Crust with Temperature Neglected. , 2008, , 7-16.		0
106	Pore-Fluid Pressure Gradients in the Crust with Heat Conduction and Advection. , 2008, , 17-26.		0
107	Convective Heat Transfer in a Homogeneous Crust. , 2008, , 27-47.		0
108	Convective Heat Transfer in a Heterogeneous Crust. , 2008, , 49-81.		0

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109	Pore-Fluid Focusing within Two-Dimensional Faults and Cracks of Crustal Scales with No Temperature Effects: Solutions Expressed in a Local Coordinate System. , 2008, , 83-107.		0
110	Pore-Fluid Focusing within Two-Dimensional Faults and Cracks of Crustal Scales with No Temperature Effects: Solutions Expressed in a Global Coordinate System. , 2008, , 109-132.		0
111	Pore-Fluid Flow Focused Transient Heat Transfer within and around Two-Dimensional Faults and Cracks of Crustal Scales. , 2008, , 133-144.		0
112	Convective Heat Transfer within Three-Dimensional Vertical Faults Heated from Below. , 2008, , 145-159.		1
113	Thermodynamics of folding in the middle to lower crust. Geology, 2007, 35, 175.	4.0	29
114	Shear band emergence in granular materialsâ€"a numerical study. International Journal for Numerical and Analytical Methods in Geomechanics, 2007, 31, 373-393.	3.3	27
115	Mineral precipitation associated with vertical fault zones: the interaction of solute advection, diffusion and chemical kinetics. Geofluids, 2007, 7, 3-18.	0.8	70
116	Numerical modelling of deformation and fluid flow in the Shuikoushan district, Hunan Province, South China. Ore Geology Reviews, 2007, 31, 261-278.	3.0	40
117	Phenomenological modelling of crack generation in brittle crustal rocks using the particle simulation method. Journal of Structural Geology, 2007, 29, 1034-1048.	2.5	23
118	Analytical Solutions for Pore-Fluid Flow Focusing Within Inclined Elliptic Inclusions in Pore-Fluid-Saturated Porous Rocks: Solutions Derived in an Elliptical Coordinate System. Mathematical Geosciences, 2007, 38, 987-1010.	0.9	11
119	Effect of Reactive Surface Areas Associated with Different Particle Shapes on Chemical-Dissolution Front Instability in Fluid-Saturated Porous Rocks. Transport in Porous Media, 2007, 73, 75-94.	2.2	66
120	Non-equilibrium Thermodynamics, Thermomechanics, Geodynamics. Lecture Notes in Computer Science, 2007, , 62-69.	0.0	1
121	100th Anniversary Special Paper: Numerical Models of Extensional Deformation, Heat Transfer, and Fluid Flow across Basement-Cover Interfaces during Basin-Related Mineralization. Economic Geology, 2006, 101, 1-31.	4.0	117
122	Coupled chemical-fluid flow modelling of the Irish Carboniferous Basin. Geochimica Et Cosmochimica Acta, 2006, 70, A462.	4.7	0
123	Modelling fluid transport associated with mineralization and deformation in the Outokumpu Cuâ€"Znâ€"Co deposit, Finland. Journal of Geochemical Exploration, 2006, 89, 465-469.	3.3	8
124	Chemical reaction patterns due to fluids mixing and focusing around faults in fluid-saturated porous rocks. Journal of Geochemical Exploration, 2006, 89, 470-473.	3.3	8
125	Theoretical and numerical analyses of pore-fluid flow patterns around and within inclined large cracks and faults. Geophysical Journal International, 2006, 166, 970-988.	2.6	31
126	Numerical simulation of double-diffusion driven convective flow and rock alteration in three-dimensional fluid-saturated geological fault zones. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 2816-2840.	7.2	28

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127	Automatic detection of particle aggregation in particle code simulations of rock deformation. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.7	3
128	Numerical modelling of faulting and fluid flow in porous rocks: An approach based on critical state soil mechanics. Journal of Structural Geology, 2006, 28, 1468-1482.	2.5	57
129	From point defects to plate tectonic faults. Philosophical Magazine, 2006, 86, 3373-3392.	1.7	16
130	Theoretical and numerical analysis of largeâ€scale heat transfer problems with temperatureâ€dependent poreâ€fluid densities. Engineering Computations, 2005, 22, 232-252.	1.7	7
131	Evolution of porosity, permeability and fluid pressure in dilatant faults post-failure: implications for fluid flow and mineralization. Geofluids, 2005, 5, 272-288.	0.8	50
132	Double Diffusion-Driven Convective Instability of Three-Dimensional Fluid-Saturated Geological Fault Zones Heated from Below. Mathematical Geosciences, 2005, 37, 373-391.	0.9	18
133	Mineral systems, hydridic fluids, the Earthâ€™s core, mass extinction events and related phenomena. , 2005, , 65-68.		4
134	Numerical modelling of coupled deformation and fluid flow in mineralisation processes. , 2005, , 1509-1512.		0
135	The effect of sedimentary cover on submarine hydrothermal processes â€" some simple numerical simulations and applications. , 2005, , 1497-1499.		0
136	On the thermodynamics of listric faults. Earth, Planets and Space, 2004, 56, 1111-1120.	1.8	11
137	A smeared seismicity constitutive model. Earth, Planets and Space, 2004, 56, 1121-1133.	1.8	6
138	Fluid reservoirs in the crust and mechanical coupling between the upper and lower crust. Earth, Planets and Space, 2004, 56, 1151-1161.	1.8	16
139	Theoretical investigation of convective instability in inclined and fluid-saturated three-dimensional fault zones. Tectonophysics, 2004, 387, 47-64.	2.3	80
140	Ab initio emergent phenomena in PFC. , 2004, , 235-239.		2
141	Title is missing!. Mathematical Geosciences, 2003, 35, 141-154.	0.9	6
142	Effects of hot intrusions on pore-fluid flow and heat transfer in fluid-saturated rocks. Computer Methods in Applied Mechanics and Engineering, 2003, 192, 2007-2030.	7.2	16
143	An equivalent algorithm for simulating thermal effects of magma intrusion problems in porous rocks. Computer Methods in Applied Mechanics and Engineering, 2003, 192, 3397-3408.	7.2	6
144	Convective instability of 3-D fluid-saturated geological fault zones heated from below. Geophysical Journal International, 2003, 155, 213-220.	2.6	28

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145	The influence of faulting on host-rock permeability, fluid flow and ore genesis of gold deposits: a theoretical 2D numerical model. Journal of Geochemical Exploration, 2003, 78-79, 279-284.	3.3	50
146	A numerical modelling approach to fluid flow in extensionalenvironments: implications for genesis of large microplaty hematite ores. Journal of Geochemical Exploration, 2003, 78-79, 675-679.	3.3	8
147	Finite Element Modelling of Three-Dimensional Steady-State Convection and Lead/Zinc Mineralization in Fluid-Saturated Rocks. Journal of Computational Methods in Sciences and Engineering, 2003, 3, 73-89.	0.3	18
148	Finite element modelling of reactive fluids mixing and mineralization in poreâ€fluid saturated hydrothermal/sedimentary basins. Engineering Computations, 2002, 19, 364-387.	1.7	42
149	Geodynamic modelling of the Century deposit, Mt Isa Province, Queensland. Australian Journal of Earth Sciences, 2002, 49, 1011-1039.	1.0	108
150	Computer simulations of coupled problems in geological and geochemical systems. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 3137-3152.	7.2	22
151	Preface. Tectonophysics, 2001, 335, vii-xii.	2.3	0
152	Length scale interactions in the folding of sandwich structures. Tectonophysics, 2001, 335, 111-120.	2.3	5
153	Finite element modelling of heat transfer through permeable cracks in hydrothermal systems with upward throughflow. Engineering Computations, 2001, 18, 996-1011.	1.7	17
154	Finite element modeling of fluidâ€“rock interaction problems in pore-fluid saturated hydrothermal/sedimentary basins. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 2277-2293.	7.2	38
155	Numerical Modelling of Rock Alteration and Metamorphic Process in Hydrothermal Systems. , 2001, , 847-852.		0
156	Numerical Modelling of Fluid Dynamic Interaction Problems Between Mantle and Crust of the Earth. , 2001, , 605-610.		0
157	Numerical modelling of double diffusion driven reactive flow transport in deformable fluidâ€saturated porous media with particular consideration of temperatureâ€dependent chemical reaction rates. Engineering Computations, 2000, 17, 367-385.	1.7	53
158	Finite element modelling of dissipative structures for nonequilibrium chemical reactions in fluid-saturated porous media. Computer Methods in Applied Mechanics and Engineering, 2000, 184, 1-14.	7.2	16
159	Numerical modelling of single-layer folding: clarification of an issue regarding the possible effect of computer codes and the influence of initial irregularities. Journal of Structural Geology, 2000, 22, 1511-1522.	2.5	41
160	Application of coupled deformation, fluid flow, thermal and chemical modelling to predictive mineral exploration. Journal of Geochemical Exploration, 2000, 69-70, 505-509.	3.3	93
161	Mary Kathleen metamorphicâ€hydrothermal uranium â€" rareâ€earth element deposit: Ore genesis and numerical model of coupled deformation and fluid flow. Australian Journal of Earth Sciences, 1999, 46, 467-484.	1.0	63
162	Finite element analysis of flow patterns near geological lenses in hydrodynamic and hydrothermal systems. Geophysical Journal International, 1999, 138, 146-158.	2.6	28

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163	A numerical study of poreâ€fluid, thermal and mass flow in fluidâ€saturated porous rock basins. Engineering Computations, 1999, 16, 202-214.	1.7	23
164	Bifurcation in Growth Patterns for Arrays of Parallel Griffith, Edge and Sliding Cracks. Key Engineering Materials, 1998, 145-149, 71-76.	0.4	2
165	Fluid pumping: Some exploratory numerical models. Physics and Chemistry of the Earth, 1997, 22, 49-56.	0.3	6
166	Numerical modelling of crustal stresses in the eastern Australian passive marginâ^—. Australian Journal of Earth Sciences, 1996, 43, 161-175.	1.0	25
167	Computer simulation of single-layer buckling. Journal of Structural Geology, 1996, 18, 643-655.	2.5	72
168	Bifurcation of crack pattern in arrays of two-dimensional cracks. International Journal of Fracture, 1996, 77, 1-14.	2.2	21
169	Localized folding of viscoelastic layers. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1996, 85, .	2.1	1
170	Localized folding of viscoelastic layers. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1996, 85, 58.	2.1	33
171	A numerical simulation of fabric development in polycrystalline aggregates with one slip system. Journal of Structural Geology, 1994, 16, 1297-1313.	2.5	19
172	The Fractal Geometry of Patterned Structures in Numerical Models of Rock Deformation. , 1994, , 131-155.		10
173	Coulomb constitutive laws for friction: Contrasts in frictional behavior for distributed and localized shear. Pure and Applied Geophysics, 1992, 139, 195-214.	1.7	96
174	Shear band formation in Gosford Sandstone. International Journal of Rock Mechanics and Mining Sciences, 1991, 28, 397-409.	0.0	113
175	Experimental deformation of a quartz mylonite. Journal of Structural Geology, 1991, 13, 837-850.	2.5	23
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