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Friction of rocks

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2360	Magnitude of shear stress on the san andreas fault: implications of a stress measurement profile at shallow depth. <b>1979</b> , 206, 445-7		28
2359	b values and Beismic source models: Implications for tectonic stress variations along active crustal fault zones and the estimation of high-frequency strong ground motion. <b>1979</b> , 84, 2235		209
2358	Deviatoric stresses and earthquake occurrence at the outer rise. <b>1979</b> , 84, 2343		26
2357	Frictional metamorphism, argon depletion, and tectonic stress on the Alpine Fault, New Zealand. <b>1979</b> , 84, 6770-6782		77
2356	The mechanical property of montmorillonite clay at high pressure and implications on fault behavior. <b>1979</b> , 6, 476-478		17
2355	Shearing of saturated clays in rock joints at high confining pressures. <b>1979</b> , 6, 825-828		45
2354	Brittle phenomena. <b>1979</b> , 17, 1121		17
2353	Microscopic characteristics of orthoquartzite from sliding friction experiments. II. Gouge. <b>1980</b> , 62, 301-31	19	18
2352	On the stress system that formed the Laramide Wind River Mountains, Wyoming. <b>1980</b> , 7, 449-452		6
2351	Faulting patterns in north-central Nevada and strength of the crust. <b>1980</b> , 85, 275-284		49
2350	Mechanical properties of clays at high pressure. <b>1980</b> , 85, 1462-1468		54
2349	Cyclic loading of simulated fault gouge to large strains. <b>1980</b> , 85, 1826		10
2348	Oceanic intraplate earthquakes: Implications for local and regional intraplate stress. <b>1980</b> , 85, 5389		105
2347	Frictional heating, fluid pressure, and the resistance to fault motion. <b>1980</b> , 85, 6097-6112		433
2346	Heat flow and energetics of the San Andreas Fault Zone. <b>1980</b> , 85, 6185-6222		638
2345	A steady state model for the distribution of stress and temperature on the San Andreas Fault. <b>1980</b> , 85, 6224-6230		25

2344	Limits on lithospheric stress imposed by laboratory experiments. <b>1980</b> , 85, 6248-6252	1414
2343	The use of mechanical twinning in minerals as a measure of shear stress magnitudes. <b>1980</b> , 85, 6263-6268	71
2342	Geochemical evidence for water-rock interaction along the San Andreas and Garlock Faults of California. <b>1980</b> , 85, 6286-6292	62
2341	Tectonic stresses in the lithosphere: Constraints provided by the experimental deformation of rocks. <b>1980</b> , 85, 6353-6363	205
2340	Thermal effects of thrust faulting. <b>1981</b> , 56, 233-244	54
2339	A possible dependence of tectonic strength on the age of the crust in Asia. <b>1981</b> , 52, 107-114	129
2338	Experimental high temperature and high pressure faults. <b>1981</b> , 8, 55-58	42
2337	Permeability and strength of San Andreas Fault gouge under high pressure. <b>1981</b> , 8, 325-328	65
2336	Permeability and frictional properties of San Andreas Fault Gouges. 1981, 8, 565-568	39
2335	Some size dependent properties of joints and faults. <b>1981</b> , 8, 667-670	9
2334	Effects of simulated fault gouge on the sliding behavior of Tennessee Sandstone: Nonclay gouges. <b>1981</b> , 86, 2902-2914	68
2333	. 1981,	23
2332	Mechanism of induced seismicity at the Geysers Geothermal Reservoir, California. <b>1982</b> , 9, 629-632	20
2331	Limits of stresses in continental crusts and their relation to the depth-frequency distribution of shallow earthquakes. <b>1982</b> , 1, 73-89	386
2330	Pressure solution lithification as a mechanism for the stick-slip behavior of faults. 1982, 1, 151-160	73
2329	Mechanics of low-angle normal faulting: An example from Roosevelt Hot Springs geothermal area, Utah. <b>1982</b> , 86, 343-361	13
2328	On the tectonics of the Himalaya and the Tibet Plateau. <b>1982</b> , 87, 2949	23
2327	Delineation and interpretation of seismotectonic domains in western North America. <b>1982</b> , 87, 3919	31

2326	Contemporary block tectonics: California and Nevada. <b>1982</b> , 87, 5433-5450	37
2325	Strain hardening and strength of clay-rich fault gouges. <b>1982</b> , 87, 6771-6780	86
2324	In situ study of the physical mechanisms controlling induced seismicity at Monticello Reservoir, South Carolina. <b>1982</b> , 87, 6959-6974	94
2323	Implications of an elastic analysis of in situ stress measurements near the San Andreas Fault. <b>1982</b> , 87, 7797	73
2322	Numerical modeling of intraplate deformation: Simple mechanical models of continental collision. <b>1982</b> , 87, 10709-10728	140
2321	The influence of water on the stress supported by experimentally faulted Westerly granite. <b>1982</b> , 71, 285-294	7
2320	Constraints on yield strength in the oceanic lithosphere derived from observations of flexure. <b>1982</b> , 71, 363-394	165
2319	Dynamic uplift of the Himalaya. <b>1982</b> , 298, 553-556	24
2318	Extensive underthrusting of undeformed sediment beneath the accretionary complex of the Lesser Antilles subduction zone. <b>1982</b> , 300, 625-628	81
2317	Heat flow through the San Jacinto fault zone, southern California. <b>1983</b> , 72, 721-731	8
•	Heat flow through the San Jacinto fault zone, southern California. 1983, 72, 721-731  Why large earthquakes do not nucleate at shallow depths. 1983, 305, 621-623	147
•		
2316	Why large earthquakes do not nucleate at shallow depths. <b>1983</b> , 305, 621-623  The low temperature brittle-ductile transition in a quartzite and the occurrence of cataclastic flow	147
2316 2315	Why large earthquakes do not nucleate at shallow depths. <b>1983</b> , 305, 621-623  The low temperature brittle-ductile transition in a quartzite and the occurrence of cataclastic flow in nature. <b>1983</b> , 72, 493-509	147 51
2316 2315 2314	Why large earthquakes do not nucleate at shallow depths. <b>1983</b> , 305, 621-623  The low temperature brittle-ductile transition in a quartzite and the occurrence of cataclastic flow in nature. <b>1983</b> , 72, 493-509  Continental fault structure and the shallow earthquake source. <b>1983</b> , 140, 741-767  Tectonic consequences of the collision of the Arabian and Eurasian plates: Finite element models.	147 51 414
2316 2315 2314 2313	Why large earthquakes do not nucleate at shallow depths. 1983, 305, 621-623  The low temperature brittle-ductile transition in a quartzite and the occurrence of cataclastic flow in nature. 1983, 72, 493-509  Continental fault structure and the shallow earthquake source. 1983, 140, 741-767  Tectonic consequences of the collision of the Arabian and Eurasian plates: Finite element models. 1983, 100, 71-95  Fracture strength of dry silicate rocks at high confining pressures and activity of acoustic emission.	147 51 414 38
2316 2315 2314 2313 2312	Why large earthquakes do not nucleate at shallow depths. 1983, 305, 621-623  The low temperature brittle-ductile transition in a quartzite and the occurrence of cataclastic flow in nature. 1983, 72, 493-509  Continental fault structure and the shallow earthquake source. 1983, 140, 741-767  Tectonic consequences of the collision of the Arabian and Eurasian plates: Finite element models. 1983, 100, 71-95  Fracture strength of dry silicate rocks at high confining pressures and activity of acoustic emission. 1983, 96, 159-172	147 51 414 38 51

The 1979 Homestead Valley Earthquake Sequence, California: Control of aftershocks and postseismic deformation. <b>1983</b> , 88, 6477	202
2307 State of stress, permeability, and fractures in the Precambrian granite of northern Illinois. <b>1</b>	1 <b>983</b> , 88, 7355-73718 <sub>5</sub>
2306 Systematic change of focal mechanism with depth in the Western Great Basin. <b>1983</b> , 88, 823	37 59
2305 A constitutive model for frictional slip on rock interfaces. <b>1984</b> , 3, 295-299	1
2304 Determination of stress from slip data: Faults and folds. <b>1984</b> , 89, 11517-11526	535
2303 Anisotropy: a pervasive feature of fault zones?. <b>1984</b> , 76, 157-163	14
2302 Erosion and the mechanics of shallow foreland thrusts. <b>1984</b> , 6, 425-432	15
2301 Intraplate lithosphere deformation and the strength of the lithosphere. <b>1984</b> , 79, 513-538	96
An extensive region of off-ridge normal-faulting earthquakes in the southern Indian Ocean. 89, 2425-2443	. <b>1984,</b> 62
Reply [to Comments on On the stability of shear cracks and the calculation of compressive strength[by J. K. Dienes] 1984, 89, 2508-2508	2
Permeability of fault gouge under confining pressure and shear stress. <b>1984</b> , 89, 3193-3200	175
2297 Scaling of ground motion parameters, state of stress, and focal depth. <b>1984</b> , 89, 6969-6979	109
2296 Intraplate seismicity of the southern part of the Pacific Plate. <b>1984</b> , 89, 10053-10071	30
2295 Preferential rifting of continents: A source of displaced terranes. <b>1984</b> , 89, 10072-10076	163
Mechanics of fold-and-thrust belts and accretionary wedges: Cohesive Coulomb Theory. <b>19</b> 8	<b>84</b> , 89, 10087-10101 <sub>532</sub>
2293 Lithospheric flexure and thermal anomalies. <b>1984</b> , 89, 11180-11194	270
Source mechanisms of earthquakes near mid-ocean ridges from body waveform Inversion: Implications for the early evolution of oceanic lithosphere. <b>1984</b> , 89, 11415-11441	135
Hydration-phase diagrams and friction of montmorillonite under laboratory and geologic conditions, with implications for shale compaction, slope stability, and strength of fault gou <b>1984</b> , 107, 235-260	Jge. 109

2290	The Snake Range Dcollement interpreted as a major extensional shear zone. <b>1984</b> , 3, 647-657		75
2289	Hydraulic Fracture Propagation in Layered Rock: Experimental Studies of Fracture Containment. <b>1984</b> , 24, 19-32		134
2288	On the constitution of the San Andreas Fault Zone in central California. 1984, 89, 5858-5866		57
2287	Geophysical and geological evidence for fracturing, water circulation and chemical alteration in granitic rocks adjacent to major strike-slip faults. <b>1984</b> , 89, 5849-5857		42
2286	Roughness at the base of the seismogenic zone: Contributing factors. <b>1984</b> , 89, 5791-5799		275
2285	Instability on a weakening fault. Pure and Applied Geophysics, 1985, 122, 478-491	2.2	6
2284	Pore-fluid pressures and frictional heating on a fault surface. <i>Pure and Applied Geophysics</i> , <b>1985</b> , 122, 583-607	2.2	104
2283	Pore pressure diffusion and the mechanism of reservoir-induced seismicity. <i>Pure and Applied Geophysics</i> , <b>1985</b> , 122, 947-965	2.2	230
2282	Evidence for lower crustal ductile strain localization in southern New York. 1985, 317, 705-707		49
2281	Geometric probability approach to the characterization and analysis of microcracking in rocks. <b>1985</b> , 4, 261-276		65
2280	Confining pressure reduction experiments: A new method for measuring frictional strength over a wide range of normal stress. <b>1985</b> , 22, 227-236		18
2279	Strength, deformation and conductivity coupling of rock joints. <b>1985</b> , 22, 121-140		919
2278	Rock mechanics observations pertinent to the rheology of the continental lithosphere and the localization of strain along shear zones. <b>1985</b> , 119, 1-27		210
2277	A renormalization group approach to the stick-slip behavior of faults. <b>1985</b> , 90, 1894		139
2276	Near-surface stress and displacement in a layered elastic crust. <b>1985</b> , 90, 1901		6
2275	Brittle failure in the upper mantle during extension of continental lithosphere. <b>1985</b> , 90, 3021		58
2274	Fault type predictions from stress distributions on planetary surfaces: Importance of fault initiation depth. <b>1985</b> , 90, 3065		38
2273	In situ stress, natural fracture distribution, and borehole elongation in the Auburn Geothermal Well, Auburn, New York. <b>1985</b> , 90, 5497-5512		74

22/2	Well bore breakouts and in situ stress. <b>1985</b> , 90, 5523-5530	475
2271	Causes and rate-limiting mechanisms of ridge propagation: A fracture mechanics model. <b>1985</b> , 90, 8603-8612	146
2270	Hydraulic fracturing stress measurements at Yucca Mountain, Nevada, and relationship to the regional stress field. <b>1985</b> , 90, 8691-8706	76
2269	A note on fault reactivation. <b>1985</b> , 7, 751-754	546
2268	The origin of large or great thrust-type earthquakes along subducting plate boundaries. <b>1985</b> , 119, 37-65	46
2267	The role of salt in fold-and-thrust belts. <b>1985</b> , 119, 67-88	439
2266	Tectonics of slow spreading mid-ocean ridges and consequences of a variable depth to the brittle/ductile transition. <b>1985</b> , 4, 395-409	81
2265	Teleseismic estimates of the energy radiated by shallow earthquakes. <b>1986</b> , 91, 2095	132
2264	Thermal stress and the spacings of transform faults. <b>1986</b> , 91, 6405	87
2263	References. <b>1986</b> , 394-414	
2262	Early thermal profiles and lithospheric strength of Ganymede from extensional tectonic features. <b>1986</b> , 68, 252-265	37
2262		37 9
2261	1986, 68, 252-265  Strengthening of phyllosilicate and gypsum gouges with increasing temperature: Effect of	
2261	1986, 68, 252-265  Strengthening of phyllosilicate and gypsum gouges with increasing temperature: Effect of temperature or moisture elimination?. 1986, 23, 439-443	9
2261 2260	Strengthening of phyllosilicate and gypsum gouges with increasing temperature: Effect of temperature or moisture elimination?. 1986, 23, 439-443  Self-similar cataclasis in the formation of fault gouge. <i>Pure and Applied Geophysics</i> , 1986, 124, 53-78  Constitutive behavior and stability of frictional sliding of granite. <i>Pure and Applied Geophysics</i> , 1986,	9
2261 2260 2259	Strengthening of phyllosilicate and gypsum gouges with increasing temperature: Effect of temperature or moisture elimination?. 1986, 23, 439-443  Self-similar cataclasis in the formation of fault gouge. Pure and Applied Geophysics, 1986, 124, 53-78  Constitutive behavior and stability of frictional sliding of granite. Pure and Applied Geophysics, 1986, 124, 383-414  Effects of temperature and sliding rate on frictional strength of granite. Pure and Applied	9 185 226
2261 2260 2259 2258	Strengthening of phyllosilicate and gypsum gouges with increasing temperature: Effect of temperature or moisture elimination?. 1986, 23, 439-443  Self-similar cataclasis in the formation of fault gouge. Pure and Applied Geophysics, 1986, 124, 53-78  Constitutive behavior and stability of frictional sliding of granite. Pure and Applied Geophysics, 1986, 124, 383-414  Effects of temperature and sliding rate on frictional strength of granite. Pure and Applied Geophysics, 1986, 124, 445-469  Seismicity simulation with a rate- and state-dependent friction law. Pure and Applied Geophysics,	9 185 226 96

2254	Unsteady motions between sliding surfaces. <b>1986</b> , 113, 83-86	5
2253	Earthquakes and Rock Deformation in Crustal Fault Zones. <b>1986</b> , 14, 149-175	209
2252	On the reactivation of extensional fault systems. <b>1986</b> , 317, 179-194	80
2251	Transition between frictional slip and ductile flow for halite shear zones at room temperature. <b>1986</b> , 231, 711-4	176
2250	The tensile strength of the lithosphere and the localization of extension. <b>1987</b> , 28, 53-65	28
2249	New evidence on the state of stress of the san andreas fault system. <b>1987</b> , 238, 1105-11	786
2248	17. Measurement of in situ Stress. <b>1987</b> , 24, 377-408	8
2247	Dynamical fault rupture processes in heterogeneous media. <b>1987</b> , 144, 19-36	43
2246	Textures of sheared halite and their implications for the seismogenic slip of deep faults. <b>1987</b> , 144, 69-86	17
2245	Mechanical interaction between neighboring active faults application to the Atera fault, central Japan. <b>1987</b> , 144, 181-188	7
2244	Modelling aftershock migration and afterslip of the San Juan Bautista, California, earthquake of October 3, 1972. <b>1987</b> , 144, 215-229	27
2243	Theoretical and experimental studies of mantle upwelling, penetrative magmatism, and development of rifts in continental and oceanic crusts. <b>1987</b> , 143, 13-30	16
2242	Rheology of the oceanic and continental lithosphere. <b>1987</b> , 61-67	6
2241	Estimation of crustal viscosities and shear stresses from an extrapolation of experimental steady state flow data. <b>1987</b> , 69-87	43
2240	Effects of frictional heating on the thermal, hydrologic, and mechanical response of a fault. <b>1987</b> , 92, 6249	203
2239	Mechanisms for the origin of mid-ocean ridge axial topography: Implications for the thermal and mechanical structure of accreting plate boundaries. <b>1987</b> , 92, 12823	183
2238	Shear instability in a viscoelastic material as the cause of deep focus earthquakes. <b>1987</b> , 92, 13801-13810	185
2237	Artificial generation of pseudotachylyte using friction welding apparatus: simulation of melting on a fault plane. <b>1987</b> , 9, 49-60	167

2236	Determination of the tectonic stress tensor from slip along faults that obey the Coulomb yield condition. <b>1987</b> , 6, 849-861		167
2235	Flow properties of continental lithosphere. <b>1987</b> , 136, 27-63		681
2234	THEORETICAL DISPLACEMENTS AND STRESSES NEAR FRACTURES IN ROCK: WITH APPLICATIONS TO FAULTS, JOINTS, VEINS, DIKES, AND SOLUTION SURFACES. <b>1987</b> , 277-349		370
2233	Seismicity around Brazilian dam reservoirs. <b>1987</b> , 10, 149-158		
2232	Results of DEKORP 2-S and other reflection profiles through the Variscides. <b>1987</b> , 89, 319-324		16
2231	The brittle-plastic transition and the depth of seismic faulting. <b>1988</b> , 77, 319-328		378
2230	Subduction zone seismicity and the thermo-mechanical evolution of downgoing lithosphere. <i>Pure and Applied Geophysics</i> , <b>1988</b> , 128, 625-659	2.2	54
2229	Generation and crystallization of an amphibolite shear melt: an investigation using radial friction welding apparatus. <b>1988</b> , 99, 464-475		47
2228	Lithospheric flexure and deformation-induced gravity changes: effect of elastic compressibility and gravitation on a multilayered, thick-plate model. <b>1988</b> , 92, 73-88		2
2227	Mechanical energy budget of a fold-and-thrust belt. <b>1988</b> , 331, 335-337		28
2226	Normal stress dependent rupture morphology in direct shear tests on sandstone with applications to some natural fault surface features. <b>1988</b> , 25, 411-419		32
2225	Mechanics of the Salt Range-Potwar Plateau, Pakistan: A fold-and-thrust belt underlain by evaporites. <b>1988</b> , 7, 57-71		96
2224	flexural rotation of normal faults. <b>1988</b> , 7, 959-973		519
2223	Variation of depth to the brittle-ductile transition due to cooling of a midcrustal intrusion. <b>1988</b> , 15, 213-216		9
2222	In-situ stress orientation and magnitude at the Fenton Geothermal Site, New Mexico, determined from wellbore breakouts. <b>1988</b> , 15, 467-470		163
2221	Thermo-mechanical modelling of arc-trench regions. <b>1988</b> , 154, 177-193		76
2220	Squeeze box in a centrifuge. <b>1988</b> , 148, 323-335		48
2219	Seismotectonics of the Hida region, central Honshu, Japan. <b>1988</b> , 147, 95-119		47

2218 A model of interseismic stress evolution in a transcurrent shear-zone. <b>1988</b> , 149, 265-273	6
Deformational models of rifting and folding on Venus. <b>1988</b> , 93, 4759-4772	42
2216 Friction of ice. <b>1988</b> , 93, 7625	132
2215 Thermal model of oceanic transform faults. <b>1988</b> , 93, 8839	45
Fault plane solutions for the 1984 Morgan Hill, California, Earthquake Sequence: Evidence for the state of stress on the Calaveras Fault. <b>1988</b> , 93, 9007	165
Continuation of a deep borehole stress measurement profile near the San Andreas Fault: 1.  Hydraulic fracturing stress measurements at Hi Vista, Mojave Desert, California. <b>1988</b> , 93, 15183-15195	19
Continuation of a deep borehole stress measurement profile near the San Andreas Fault: 2.  Hydraulic fracturing stress measurements at Black Butte, Mojave Desert, California. <b>1988</b> , 93, 15196-15206	5 12
How much does slip on a reactivated fault plane constrain the stress tensor?. <b>1988</b> , 7, 1257-1278	71
Thermodynamic efficiency of brittle frictional mountain building. <b>1988</b> , 242, 749-52	15
2209 Mechanics of Faulting. <b>1989</b> , 17, 309-334	106
2208 From orientation to magnitudes in paleostress determinations using fault slip data. <b>1989</b> , 11, 37-50	310
2207 The origin of S-C mylonites and a new fault-zone model. <b>1989</b> , 11, 51-64	86
Coupled grain-scale dilatancy and mass transfer during deformation at high fluid pressures: examples from Mount Lyell, Tasmania. <b>1989</b> , 11, 147-162	115
2205 Fractals, fault-gouge, and friction. <i>Pure and Applied Geophysics</i> , <b>1989</b> , 131, 255-271 2	2 126
On the initiation of subduction zones. <i>Pure and Applied Geophysics</i> , <b>1989</b> , 129, 7-25	2 101
2203 Rupture, creep, lamellae and crocodiles: happenings in the continental crust. <b>1989</b> , 1, 17-28	105
Topography and Geoid Undulations Caused By Small-Scale Convection Beneath Continental Lithosphere of Variable Elastic Thickness. <b>1989</b> , 97, 511-527	21
Possible focal mechanism change during reactivation of a previously ruptured subduction zone and stress tensor implications. <b>1989</b> , 98, 301-316	12

2200	Exactly solvable two-fault model with seismic radiation. <b>1989</b> , 98, 131-141	8
2199	Strike-slip faulting of ridged plains near Valles Marineris, Mars. <b>1989</b> , 341, 424-426	53
2198	Viscosity variations for selected DSS profiles in the Variscan orogen in southern Germany. <b>1989</b> , 11, 167-188	3
2197	Topographic and volcanic asymmetry around the Red Sea: Constraints on rift models. <b>1989</b> , 8, 1193-1216	59
2196	Finite element modelling of a continental rift structure (Rhinegraben) with a large-deformations algorithm. <b>1989</b> , 165, 81-91	11
2195	Deformation regimes and the rheological evolution of fault zones in the lithosphere: the effects of pressure, temperature, grainsize and time. <b>1989</b> , 163, 119-152	149
2194	Remarks on the derivation of the paleostress system from inferred faults on deep seismic reflection records. <b>1989</b> , 168, 275-282	1
2193	Zenisu Ridge: mechanical model of formation. <b>1989</b> , 160, 175-193	38
2192	Brittle frictional mountain building: 2. Thermal structure and heat budget. <b>1989</b> , 94, 3923-3947	149
2191	How preexisting weaknesses control the style of continental breakup. <b>1989</b> , 94, 7278	181
2190	Hydrogeologic constraints on heat flow along the San Andreas fault: a testing of hypotheses. <b>1989</b> , 92, 131-143	35
2189	Role of crustal flexure in initiation of low-angle normal faults and implications for structural evolution of the basin and range province. <b>1989</b> , 94, 1765	62
2188	Geometry and evolution of the San Andreas Fault Zone in northern California. <b>1989</b> , 94, 3100-3110	93
2187	Crater formation and modification on the icy satellites of Uranus and Saturn: Depth/diameter and central peak occurrence. <b>1989</b> , 94, 3813-3832	76
2186	Thermal modeling of the Chugach Metamorphic Complex. <b>1989</b> , 94, 4411-4423	36
2185	A mechanical model for the inside corner uplift at a ridge-transform intersection. <b>1989</b> , 94, 9275	13
2184	Numerical modeling of accretionary wedge mechanics: Application to the Barbados subduction problem. <b>1989</b> , 94, 9323	25
2183	A new theory for the static contact between rough, unmated surfaces in non-elastically deforming rock and its implications for rock friction. <b>1989</b> , 11, 787-798	2

2182	Deformational behavior of shale interlayers in evaporite detachment horizons, jura overthrust, Switzerland. <b>1989</b> , 11, 859-871	21
2181	High-angle reverse faulting in northern New Brunswick, Canada, and its implications for fluid pressure levels. <b>1989</b> , 11, 873-877	32
2180	Slickenside formation by surface melting during the mechanical excavation of rock. <b>1989</b> , 11, 895-905	22
2179	Frictional Faulting in Polycrystalline Halite: Correlation of Microstructure, Mechanisms of Slip, and Constitutive Behavior. <b>1990</b> , 49-65	20
2178	The transition from brittle to ductile deformation in the Sambagawa metamorphic belt, Japan. <b>1990</b> , 8, 457-466	7
2177	Flexure and faulting of sedimentary host rocks during growth of igneous domes, Henry Mountains, Utah. <b>1990</b> , 12, 185-206	53
2176	Effect of mechanical interaction on the development of strike-slip faults with echelon patterns. <b>1990</b> , 12, 123-129	141
2175	Kinematics, stress, deformation and material behavior. <b>1990</b> , 12, 953-971	60
2174	Implications of principal stress axes and eigenvalue ratios on critical orientation of fractures.  Application to two tectonic regions in Alaska. <i>Pure and Applied Geophysics</i> , <b>1990</b> , 133, 87-102	4
2173	A comparison of rift-zone tectonics in Iceland and Hawaii. <b>1990</b> , 52, 302-319	112
, ,	A comparison of rift-zone tectonics in Iceland and Hawaii. 1990, 52, 302-319  Constraints on the subsurface structure of Europa. 1990, 83, 441-452	112 41
, ,		
2172	Constraints on the subsurface structure of Europa. 1990, 83, 441-452  Investigating stress regimes in sedimentary basins using information from oil industry wireline logs	41
2172 2171 2170	Constraints on the subsurface structure of Europa. <b>1990</b> , 83, 441-452  Investigating stress regimes in sedimentary basins using information from oil industry wireline logs and drilling records. <b>1990</b> , 48, 305-325	41 36
2172 2171 2170 2169	Constraints on the subsurface structure of Europa. 1990, 83, 441-452  Investigating stress regimes in sedimentary basins using information from oil industry wireline logs and drilling records. 1990, 48, 305-325  Conditions for fault-valve behaviour. 1990, 54, 15-28	41 36 207
2172 2171 2170 2169 2168	Constraints on the subsurface structure of Europa. 1990, 83, 441-452  Investigating stress regimes in sedimentary basins using information from oil industry wireline logs and drilling records. 1990, 48, 305-325  Conditions for fault-valve behaviour. 1990, 54, 15-28  Deformation and Fracture of Berea Sandstone. 1990, 91-101	41 36 207
2172 2171 2170 2169 2168	Constraints on the subsurface structure of Europa. 1990, 83, 441-452  Investigating stress regimes in sedimentary basins using information from oil industry wireline logs and drilling records. 1990, 48, 305-325  Conditions for fault-valve behaviour. 1990, 54, 15-28  Deformation and Fracture of Berea Sandstone. 1990, 91-101  Acceleration of continental rifting due to a thermomechanical instability. 1990, 181, 307-320	41 36 207 34 18

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2164	of the southern San Andreas Fault. <b>1990</b> , 9, 185-204	16
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	Earthquake depths and the relation to strain accumulation and stress near strike-slip faults in	
2154	Earthquake depths and the relation to strain accumulation and stress near strike-slip faults in southern California. <b>1990</b> , 95, 4751  Evidence for a weak and overpressured dcollement beneath sediment-dominated accretionary	30
2154	Earthquake depths and the relation to strain accumulation and stress near strike-slip faults in southern California. 1990, 95, 4751  Evidence for a weak and overpressured dcollement beneath sediment-dominated accretionary prisms. 1990, 95, 9081  Utilization of observations of well bore failure to constrain the orientation and magnitude of crustal stresses: Application to continental, Deep Sea Drilling Project, and Ocean Drilling Program	30
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2154 2153 2152 2151	Earthquake depths and the relation to strain accumulation and stress near strike-slip faults in southern California. 1990, 95, 4751  Evidence for a weak and overpressured dcollement beneath sediment-dominated accretionary prisms. 1990, 95, 9081  Utilization of observations of well bore failure to constrain the orientation and magnitude of crustal stresses: Application to continental, Deep Sea Drilling Project, and Ocean Drilling Program boreholes. 1990, 95, 9305  Heterogeneities in the thickness of the elastic lithosphere of Mars: Constraints on heat flow and internal dynamics. 1990, 95, 11073	30 113 257 92
2154 2153 2152 2151 2150	Earthquake depths and the relation to strain accumulation and stress near strike-slip faults in southern California. 1990, 95, 4751  Evidence for a weak and overpressured dcollement beneath sediment-dominated accretionary prisms. 1990, 95, 9081  Utilization of observations of well bore failure to constrain the orientation and magnitude of crustal stresses: Application to continental, Deep Sea Drilling Project, and Ocean Drilling Program boreholes. 1990, 95, 9305  Heterogeneities in the thickness of the elastic lithosphere of Mars: Constraints on heat flow and internal dynamics. 1990, 95, 11073  Microearthquake evidence for extension across the Kane Transform Fault. 1990, 95, 15439	30 113 257 92 53

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	Mechanical stability of the thangle zone. The backthrust wedge. 1993, 96, 200 13-20030	
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1994	Triaxial testing of Lopez Fault gouge at 150 MPa mean effective stress. <i>Pure and Applied Geophysics</i> , <b>1994</b> , 142, 749-775	25
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1993 1992	Tectonic and Magmatic Evolution of Venus. <b>1994</b> , 22, 597-656  Flow laws for rocks containing two non-linear viscous phases: A phenomenological approach. <b>1994</b> , 16, 287-301	93
1992	Flow laws for rocks containing two non-linear viscous phases: A phenomenological approach. <b>1994</b> ,	
1992	Flow laws for rocks containing two non-linear viscous phases: A phenomenological approach. <b>1994</b> , 16, 287-301	231
1992 1991	Flow laws for rocks containing two non-linear viscous phases: A phenomenological approach. <b>1994</b> , 16, 287-301  Analogue simulation of natural orthogonal joint set formation in brittle varnish. <b>1994</b> , 16, 419-429  Mechanics of extensional wedges and geometry of normal faults. <b>1994</b> , 16, 725-732	231 59
1992 1991 1990	Flow laws for rocks containing two non-linear viscous phases: A phenomenological approach. 1994, 16, 287-301  Analogue simulation of natural orthogonal joint set formation in brittle varnish. 1994, 16, 419-429  Mechanics of extensional wedges and geometry of normal faults. 1994, 16, 725-732  A program to model the initial shape and extent of borehole breakout. 1994, 20, 1143-1160	<ul><li>231</li><li>59</li><li>3</li></ul>
1992 1991 1990	Flow laws for rocks containing two non-linear viscous phases: A phenomenological approach. 1994, 16, 287-301  Analogue simulation of natural orthogonal joint set formation in brittle varnish. 1994, 16, 419-429  Mechanics of extensional wedges and geometry of normal faults. 1994, 16, 725-732  A program to model the initial shape and extent of borehole breakout. 1994, 20, 1143-1160	<ul><li>231</li><li>59</li><li>3</li><li>89</li></ul>
1992 1991 1990 1989 1988	Flow laws for rocks containing two non-linear viscous phases: A phenomenological approach. 1994, 16, 287-301  Analogue simulation of natural orthogonal joint set formation in brittle varnish. 1994, 16, 419-429  Mechanics of extensional wedges and geometry of normal faults. 1994, 16, 725-732  A program to model the initial shape and extent of borehole breakout. 1994, 20, 1143-1160  Lithospheric flexure on Venus. 1994, 119, 627-647	<ul><li>231</li><li>59</li><li>3</li><li>89</li><li>49</li></ul>

1984	The evolution of deformation and topography of high elevated plateaus: 1. Model, numerical analysis, and general results. <b>1994</b> , 99, 7103	32
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1960	Earthquake Kinematics and Dynamics. <b>1995</b> , 58, 357-396	
1959	The San Andreas Fault Zone Drilling Project: Scientific Objectives and Technological Challenges. <b>1995</b> , 117, 263-270	3
1958	Experimental modelling of forearc basin development during accretionary wedge growth. <b>1995</b> , 7, 255-268	32
1957	Limits on strength and deformation properties of jointed basaltic rock masses. <b>1995</b> , 28, 1-15	196
1956	An earthquake instability model based on faults containing high fluid-pressure compartments. <i>Pure and Applied Geophysics</i> , <b>1995</b> , 145, 717-745	36
1955	East African earthquakes below 20 km depth and their implications for crustal structure. <b>1995</b> , 121, 49-62	97
1954	Tectonic regime and slip orientation of reactivated faults. <b>1995</b> , 121, 143-161	52
1953	Relative importance of strain rate and rheology for the mode of continental extension. <b>1995</b> , 122, 195-210	112
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1951	Gradients in extension and strain at Valles Marineris, Mars. <b>1995</b> , 43, 1561-1566	46
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1948	17, 1327-1335	19
1947	Deep Crustal Embrittlement and Fluid Flow during Granulite Metamorphism in the Limpopo Belt, South Africa. <b>1995</b> , 103, 673-686	12
1946	Selective fault reactivation during basin inversion: potential for fluid redistribution through fault-valve action. <b>1995</b> , 88, 3-19	90
1945	Pore pressure effects on interface behavior. <b>1995</b> , 42, 449-461	
1944	Velocity description of deformation. Paper 3: the effects of temperature dependent rheology on extensional basin architecture. <b>1995</b> , 12, 477-490	8
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1942	Stress induced by topography and crustal density heterogeneities: implication for the seismicity of southeastern Canada. <b>1995</b> , 241, 179-192	24
1941	Control on thrust tectonics in the Himalayan foothills: a view from a numerical model. <b>1995</b> , 248, 139-163	26
1940	A flow law for dislocation creep of quartz aggregates determined with the molten salt cell. <b>1995</b> , 247, 1-23	401
1939	Thermal regime of the Southwest Japan subduction zone: effects of age history of the subducting plate. <b>1995</b> , 248, 53-69	112
1938	Slab breakoff: A model of lithosphere detachment and its test in the magmatism and deformation of collisional orogens. <b>1995</b> , 129, 85-102	1142
1937	Thermo-mechanical constraints on kinematic models of lithospheric extension. <b>1995</b> , 134, 87-98	16
1936	A shear failure strength law of rock in the brittle-plastic transition regime. <b>1995</b> , 22, 25-28	70
1935	Earthquake recurrence on the southern San Andreas modulated by fault-normal stress. <b>1995</b> , 22, 535-538	7
1934	Paleostress magnitudes determination by using fault slip and fluid inclusions planes data. <b>1995</b> , 100, 3895-3904	17
1933	Systematic stress variations in the southern San Joaquin Valley and along the White Wolf fault: Implications for the rupture mechanics of the 1952 Ms 7.8 Kern County earthquake and contemporary seismicity. <b>1995</b> , 100, 6249-6264	20
1932	Fluid-rock reaction weakening of fault zones. <b>1995</b> , 100, 13021-13032	290
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1928	Three-dimensional modeling of pull-apart basins: Implications for the tectonics of the Dead Sea Basin. <b>1995</b> , 100, 6295-6312	77
1927	Recent state of stress change in the Walker Lane zone, western Basin and Range province, United States. <b>1995</b> , 14, 564-593	101
1926	Determination of the direction and magnitude of recent tectonic stress in the Xianshuihe fault zone using fault slip data. <b>1995</b> , 8, 205-213	4
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1924	Case for very low coupling stress on the Cascadia Ssubduction Fault. <b>1995</b> , 100, 12907-12918	173
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1918	Extension of stable continental lithosphere and the initiation of lithospheric scale faults. <b>1995</b> , 14, 1041-1055	42
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1915	In-situ stress measurement in an earthquake focal area. <b>1996</b> , 262, 281-290	15
1914	The role of fluid pressure in the formation of bedding-parallel, thrust-hosted gold deposits, Sabie-Pilgrim's Rest goldfield, eastern Transvaal. <b>1996</b> , 79, 125-140	13
1913	Subduction of continental margins and the uplift of high-pressure metamorphic rocks. <b>1996</b> , 140, 13-25	22

1912	Evolution of moderate seismicity in the San Francisco Bay region, 1850 to 1993: Seismicity changes related to the occurrence of large and great earthquakes. <b>1996</b> , 101, 765-789	103
191:	Stress perturbation associated with the Amazonas and other ancient continental rifts. <b>1996</b> , 101, 5459-5475	76
1910	Stagnant lid convection on Venus. 1996, 101, 4737-4753	196
190	Block rotations along the strike-slip Finlay-Ingenika fault, north-central British Columbia: Implications for paleomagnetic and tectonic studies. <b>1996</b> , 15, 272-287	3
190	Modeling of Neogene crustal block rotation: Case study of southeastern California. <b>1996</b> , 15, 700-710	4
190	Dbollement folding as a mechanism for thrust-ramp spacing. <b>1996</b> , 101, 11341-11352	21
190	Depth-dependent change in the focal mechanism of shallow earthquakes: Implications for brittle-plastic transition in a seismogenic region. <b>1996</b> , 101, 11209-11216	17
190	5 Frictional behavior of large displacement experimental faults. <b>1996</b> , 101, 8697-8715	267
190	Type of faulting and orientation of stress and strain as a function of space and time in Kilauea's south flank, Hawaii. <b>1996</b> , 101, 16025-16042	54
190	Stress analysis in the intraplate area of Gazli, Uzbekistan, from different sets of earthquake focal mechanisms. <b>1996</b> , 101, 17645-17660	8
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190	Erosion as a driving mechanism of intracontinental mountain growth. <b>1996,</b> 101, 17747-17769	273
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189	7 Extension with lateral material accommodation 頤ctivelvs. passivel ifting. <b>1996</b> , 266, 121-137	11
1890	Estimation of Horizontal Stresses at Depth in Faulted Regions and Their Relationship to Pore Pressure Variations. <b>1996</b> , 11, 11-18	27
189	Synthetic seismicity models for the Wellington Region, New Zealand: Implications for the temporal distribution of large events. <b>1996</b> , 101, 27833-27844	45

1894	High-frequency earthquakes at White Island volcano, New Zealand: insights into the shallow structure of a volcano-hydrothermal system. <b>1996</b> , 72, 183-197		29
1893	Relative scale and the strength and deformability of rock masses. <b>1996</b> , 18, 1139-1149		129
1892	Contradictions in the recent seismogenetical notions. <b>1996</b> , 21, 257-260		12
1891	Transient discontinuities revisited: pseudotachylyte, plastic instability and the influence of low pore fluid pressure on deformation processes in the mid-crust. <b>1996</b> , 18, 1471-1486		74
1890	Experimental modeling of extensional fault systems by use of plaster. <b>1996</b> , 18, 673-687		51
1889	Fault-length statistics and implications of graben sets at Candor Mensa, Mars. <b>1996</b> , 18, 373-383		28
1888	Amounts of crustal stretching in Valles Marineris, Mars. <b>1996</b> , 44, 749-781		64
1887	Dynamic interactions between crustal shortening, extension, and magmatism in the North American Cordillera. <i>Pure and Applied Geophysics</i> , <b>1996</b> , 146, 447-467	2.2	5
1886	Thermal modeling of the Southern Alps, New Zealand. Pure and Applied Geophysics, <b>1996</b> , 146, 469-501	2.2	66
1885	Constraints on melt production rate beneath the mid-ocean ridges based on passive flow models. <i>Pure and Applied Geophysics</i> , <b>1996</b> , 146, 589-620	2.2	16
1884	Stress models for Tharsis formation, Mars. <b>1996</b> , 44, 1471-1497		41
1883	A plume tectonics model for the Tharsis province, Mars. <b>1996</b> , 44, 1499-1546		165
1882	Oblique rifting in the Havre Trough and its propagation into the continental margin of New Zealand: Comparison with analogue experiments. <b>1996</b> , 18, 189-201		23
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1877	A tensile, flexural model for the initiation of subduction. <b>1996</b> , 125, 73-93		51

Dynamical weakening of faults by acoustic fluidization. <b>1996</b> , 379, 601-606	193
1875 Seismicity and stress rotation in a granular model of the brittle crust. <b>1996</b> , 381, 592-595	130
Crustal fault reactivation facilitating lithospheric folding/buckling in the central Indian Ocean. <b>1</b> 974, 99, 251-263	<b>996</b> 26
The influence of regional stresses on the mechanical stability of volcanoes: Stromboli (Italy). <b>199</b> 110, 65-75	<b>96</b> , 3
1872 Hydrothermal pore fluid pressure and the stability of porous, permeable volcanoes. <b>1996</b> , 110, 7	77-93 65
Chapter 12 Changes in Coulomb failure function due to the occurrence of the M7.2 Kobe Earthquake of January 17, 1995, as a possible measure of the change in seismicity. <b>1997</b> , 81, 181	-197
1870 Estimating in situ Stresses. <b>1997</b> , 23-94	
Mechanical stability of the Redbank Thrust Zone, Central Australia: Dynamic and rheological implications. <b>1997</b> , 44, 215-226	16
The state of stress on some faults of the San Andreas System as inferred from near-field strong motion data. <b>1997</b> , 102, 11731-11744	134
$_{f 1867}$ Mechanical effect of fluid migration on the complexity of seismicity. <b>1997</b> , 102, 17797-17806	17
Shallow dips of normal faults during rapid extension: Earthquakes in the Woodlark-D'Entrecaste rift system, Papua New Guinea. <b>1997</b> , 102, 15301-15317	107
1865 Dynamics of crustal compensation and its influences on crustal isostasy. <b>1997</b> , 102, 15287-15299	33
Study of plate deformation and stress in subduction processes using two-dimensional numerical models. <b>1997</b> , 102, 17951-17965	148
1863 Low frictional strength of upper crustal faults: A model. <b>1997</b> , 102, 24619-24626	28
1862 Stress-field rotation and rooted detachment faults: A Coulomb failure analysis. <b>1997</b> , 102, 20503	3-20514 47
1861 Geodetic strain of Greece in the interval 1892¶992. <b>1997</b> , 102, 24571-24588	112
Numerical modeling of surface deformation and mechanical stability of Vesuvius volcano, Italy. <b>1997</b> , 102, 24785-24800	22
The roles of time and displacement in velocity-dependent volumetric strain of fault zones. <b>1997</b> , 102, 22595-22609	, 48

1858	Modeling the formation of a half graben using realistic upper crustal rheology. <b>1997</b> , 102, 24605-24617	20
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1855	Bending thin lithosphere causes localized Snapping and not distributed Trunching Implications for Abyssal Hill Formation. <b>1997</b> , 24, 2531-2534	11
1854	Rock Stress and Its Measurement. <b>1997</b> ,	204
1853	Lateral variations in lithosphere strength in the Romanian Carpathians: constraints on basin evolution. <b>1997</b> , 272, 269-290	51
1852	Taiwan orogeny: thin-skinned or lithospheric collision?. <b>1997</b> , 274, 191-220	189
1851	The deep crust of the Southern Rhine Graben: reflectivity and seismicity as images of dynamic processes. <b>1997</b> , 275, 15-40	26
1850	The stress field in the Rhine Graben area inferred from earthquake focal mechanisms and estimation of frictional parameters. <b>1997</b> , 275, 71-97	156
1849	Short-scale variations of tectonic regimes in the western European stress province north of the Alps and Pyrenees. <b>1997</b> , 275, 199-219	75
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1845	Effects of serpentinization on the lithospheric strength and the style of normal faulting at slow-spreading ridges. <b>1997</b> , 151, 181-189	200
1844	An analog experiment for the Aegean to describe the contribution of gravitational potential energy. <b>1997</b> , 102, 649-659	67
1843	Nondilatant brittle deformation of serpentinites: Implications for Mohr-Coulomb theory and the strength of faults. <b>1997</b> , 102, 2897-2913	175
1842	Injection-induced earthquakes and crustal stress at 9 km depth at the KTB deep drilling site, Germany. <b>1997</b> , 102, 18477-18491	313
1841	Estimation of the complete stress tensor to 8 km depth in the KTB scientific drill holes: Implications for crustal strength. <b>1997</b> , 102, 18453-18475	331

1840	1 ransform push, oblique subduction resistance, and intraplate stress of the Juan de Fuca Plate.  1997, 102, 661-674	45
1839	The influence of fluid flow in fault zones on patterns of seismicity: A numerical investigation. <b>1997</b> , 102, 2915-2924	16
1838	Frictional coefficient on faults in a seismogenic region inferred from earthquake mechanism solutions. <b>1997</b> , 102, 5403-5412	36
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1836	The German Continental Deep Drilling Program KTB: Overview and major results. <b>1997</b> , 102, 18179-18201	194
1835	References. <b>1997</b> , 343-370	
1834	Frictional changes induced by seismic slip on a non-planar fault. <b>1997</b> , 129, 153-162	
1833	Hydrothermal breccias in vein-type ore deposits: A review of mechanisms, morphology and size distribution. <b>1997</b> , 12, 111-134	244
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1831	Characterization of stress perturbations near major fault zones: insights from 2-D distinct-element numerical modelling and field studies (Jura mountains). <b>1997</b> , 19, 703-718	133
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1829	Gravitational orogenic collapse vs plate-boundary stresses: a numerical modelling approach to the Permo-Carboniferous evolution of Central Europe. <b>1997</b> , 86, 39-55	35
1828	Fractal effects of surface roughness on the mechanical behavior of rock joints. <b>1997</b> , 8, 221-252	93
1827	Photoelastic study of the contact mechanics of fractal joints. <b>1997</b> , 34, 865-874	13
1826	Effects of poisson's ratio and core stub length on bottomhole stress concentrations. <b>1997</b> , 34, 761-773	17
1825	Constraining the full stress tensor from observations of drilling-induced tensile fractures and leak-off tests: Application to borehole stability and sand production on the Norwegian margin. <b>1997</b> , 34, 365.e1-365.e12	14
1824	Possibility of reservoir induced seismicity around three gorges dam on Yangtze river. <b>1997</b> , 34, 76.e1-76.e8	2
1823	In situ stress measurements by hydraulic fracturing for a rock mass with many planes of weakness. <b>1997</b> , 34, 45-58	20

1822	Tectonic lineations and frictional faulting on a relatively simple body (Ariel). 1997, 45, 1069-1080	5
1821	A graphical technique to predict slip along a pre-existing plane of weakness. <b>1998</b> , 49, 53-60	18
1820	Deep crustal structure and rheology of the Gascoyne volcanic margin, western Australia. <b>1998</b> , 20, 293-311	19
1819	Earthquakes and friction laws. <b>1998</b> , 391, 37-42	1393
1818	Stress/fault controls on the containment and release of overpressured fluids: Examples from gold-quartz vein systems in Juneau, Alaska; Victoria, Australia and Otago, New Zealand. <b>1998</b> , 13, 293-306	175
1817	Prediction of faulting from the theories of elasticity and plasticity: what are the limits?. <b>1998</b> , 20, 301-320	73
1816	Laboratory characterization of hydromechanical properties of a seismogenic normal fault system. <b>1998</b> , 20, 865-881	95
1815	Late Miocene to Recent transtensional tectonics in the Sierra San Ferm-n, northeastern Baja California, Mexico. <b>1998</b> , 20, 1043-1063	20
1814	Fault-valve behaviour in optimally oriented shear zones: an example at the Revenge gold mine, Kambalda, Western Australia. <b>1998</b> , 20, 1625-1640	97
1813	Brittle failure mode plots for compressional and extensional tectonic regimes. <b>1998</b> , 20, 655-660	121
1812	The geology of the Taparko gold deposit, Birimian greenstone belt, Burkina Faso, West Africa. <b>1998</b> , 33, 591-605	21
1811	Matching satellite-derived gravity signatures and seismicity patterns along mid-ocean ridges. <b>1998</b> , 10, 177-182	6
1810	Sources of recent tectonic stress in the Pannonian region:inferences from finite element modelling. <b>1998</b> , 134, 87-101	72
1809	Earthquake recurrence-time variations with and without fault-zone interactions. <b>1998</b> , 135, 165-176	9
1808	The influence of a stratified rheology on the flexural response of the lithosphere to (un)loading by extensional faulting. <b>1998</b> , 134, 721-735	43
1807	Self-organized criticality in a block lattice model of the brittle crust. <b>1998</b> , 242, 349-354	6
1806	Mechanical analyses of listric normal faulting with emphasis on seismicity assessment. <b>1998</b> , 284, 65-77	16
1805	An estimate of the physical conditions of pseudotachylite formation in the West Rand Goldfield, Witwatersrand Basin, South Africa. <b>1998</b> , 284, 247-259	15

1804	experiments on calciteBalite mixtures. <b>1998</b> , 295, 1-14	36
1803	Spatial variability in microscopic deformation and composition of the Punchbowl fault, southern California: implications for mechanisms, fluidBock interaction, and fault morphology. <b>1998</b> , 295, 223-244	98
1802	Experimental evidence of contact loss during stick-slip: possible implications for seismic behaviour. <b>1998</b> , 295, 341-350	18
1801	Weakness of the lower continental crust: a condition for delamination, uplift, and escape. <b>1998</b> , 296, 47-60	175
1800	Rheological heterogeneity, mechanical anisotropy and deformation of the continental lithosphere. <b>1998</b> , 296, 61-86	126
1799	Lateral variations of thermo-mechanical properties in the TyrrhenianBorthern Apennine region. <b>1998</b> , 300, 143-158	14
1798	Large-scale crustal heterogeneities and lithospheric strength in cratons. <b>1998</b> , 164, 205-219	57
1797	Some thoughts on porosity reduction Irock mechanics, overpressure and fluid flow. <b>1998</b> , 141, 73-81	3
1796	Ductile shear zones beneath strike-slip faults: Implications for the thermomechanics of the San Andreas Fault Zone. <b>1998</b> , 103, 891-905	56
1795	Numerical models of faulting at oblique spreading centers. <b>1998</b> , 103, 15473-15482	24
1794	The lunar mascons revisited. <b>1998</b> , 103, 3709-3739	45
1793	Inelastic yielding and forebulge shape across a modern foreland basin: North West Shelf of Australia, Timor Sea. <b>1998</b> , 25, 1455-1458	23
1792	Evolution of fault systems at a strike-slip plate boundary: A viscoelastic model. <b>1998</b> , 25, 2881-2884	7
1791	Quantitative measure of the variation in fault rheology due to fluid-rock interactions. <b>1998</b> , 103, 9691-9712	222
1790	The static stress change triggering model: Constraints from two southern California aftershock sequences. <b>1998</b> , 103, 24427-24437	230
1789	Absence of earthquake correlation with Earth tides: An indication of high preseismic fault stress rate. <b>1998</b> , 103, 24567-24572	149
1788	Analogue models of obliquely convergent continental plate boundaries. 1998, 103, 15221-15237	38
1787	Fault linkage: Three-dimensional mechanical interaction between echelon normal faults. 1998, 103, 24373-24	3992

1786	Numerical simulation of earthquake faults with gouge: Toward a comprehensive explanation for the heat flow paradox. <b>1998</b> , 103, 21067-21089	94
1785	Laboratory observations of fault-normal vibrations during stick slip. <b>1998</b> , 103, 29931-29944	10
1784	Crustal collapse, mantle upwelling, and Cenozoic extension in the North American Cordillera. <b>1998</b> , 17, 311-321	35
1783	Analogue modelling of faulting in zones of continental transpression and transtension. <b>1998</b> , 135, 59-79	32
1782	Rheology of Crustal Rocks at Ultrahigh Pressure. <b>1998</b> , 57-95	43
1781	Earthquakes on dipping faults: the effects of broken symmetry. <b>1998</b> , 280, 1055-9	181
1780	LABORATORY-DERIVED FRICTION LAWS AND THEIR APPLICATION TO SEISMIC FAULTING. <b>1998</b> , 26, 643-696	1277
1779	The influence of fault compaction on fault zone evolution. <b>1998</b> , 147, 231-242	
1778	High Horizontal Stress in the Visund Field, Norwegian North Sea: Consequences For Borehole Stability and Sand Production. <b>1998</b> ,	8
1777	Erdbeben der vierten Art - Lokales seismisches Geffirdungspotential durch Eingriffe in die Natur. <b>1998</b> , 75, 781-791	2
1776	How to make a rift wide. <b>1999</b> , 357, 671-693	80
1775	Critical stress localization of flow associated with deformation of well-fractured rock masses, with implications for mineral deposits. <b>1999</b> , 155, 69-81	38
1774	Narrow rifts versus wide rifts: inferences for the mechanics of rifting from laboratory experiments. <b>1999</b> , 357, 695-712	197
1773	Orientation and magnitude of in situ stress to 6.5 km depth in the Baltic Shield. <b>1999</b> , 36, 169-190	69
1772	In situ stress field of eastern Australia. <b>1999</b> , 46, 813-825	49
1771	The tectonic evolution of the Southern Alps, New Zealand: insights from fully thermally coupled dynamical modelling. <b>1999</b> , 136, 403-420	111
1770	Microseismicity and focal mechanisms at the western termination of the North Anatolian Fault and their implications for continental tectonics. <b>1999</b> , 137, 891-908	45
1769	Preliminary research to determine stress districts from focal mechanism solutions in Southwest China and its adjacent area. <b>1999</b> , 12, 562-572	24

1768 Study on seismic numerical model on the Chinese mainland and its vicinity. 1999, 12, 632-639

1767	Transtensional faulting patterns ranging from pull-apart basins to transform continental margins: an experimental investigation. <b>1999</b> , 21, 23-37	84
1766	Marked along-strike variations in dip of normal faultsEhe Lokichar fault, N. Kenya rift: a possible cause for metamorphic core complexes. <b>1999</b> , 21, 479-492	25
1765	Deformation behavior during blind thrust translation as a function of fault strength. <b>1999</b> , 21, 855-874	19
1764	Calcite twins from microveins as indicators of deformation history. <b>1999</b> , 21, 875-889	25
1763	Tectonic stress controls on ascent and emplacement of magmas. <b>1999</b> , 91, 65-78	83
1762	Seismicity at the volcanoes of Katmai National Park, Alaska; July 1995December 1997. 1999, 93, 173-190	26
1761	Role of fluids in faulting inferred from stress field signatures. <b>1999</b> , 285, 236-9	142
1760	Thermomechanical behavior of large ash flow calderas. <b>1999</b> , 104, 23081-23109	42
1759	The deformation of the EgersundDgna anorthosite massif, south Norway: finite-element modelling of diapirism. <b>1999</b> , 303, 109-130	43
1758	Frictional Discous flow in mylonite with varied bimineralic composition and its effect on lithospheric strength. <b>1999</b> , 303, 175-191	82
1757	High differential stress and sublithostatic pore fluid pressure in the ductile regime [] microstructural evidence for short-term post-seismic creep in the Sesia Zone, Western Alps. <b>1999</b> , 303, 263-277	66
1756	Terrane accumulation and collapse in central Europe: seismic and rheological constraints. <b>1999</b> , 305, 93-107	21
1755	Seismicity in the northeast area of Izu Peninsula, Japan, comparing with three-dimensional velocity structure and temperature distribution of geothermal water. <b>1999</b> , 306, 449-460	4
1754	Faulting pattern along slow-spreading ridge segments: a consequence of along-axis variation in lithospheric rheology. <b>1999</b> , 312, 157-174	17
1753	High-resolution electromagnetic imaging of the San Andreas Fault in central California. <b>1999</b> , 104, 1131-1150	89
1752	The weakness of earthquake faults. <b>1999</b> , 26, 123-126	45
1751	Theoretical analysis of cross-joint geometries and their classification. <b>1999</b> , 104, 1163-1177	20

Numerical simulations of granular shear zones using the distinct element method: 2. Effects of particle size distribution and interparticle friction on mechanical behavior. <b>1999</b> , 104, 2721-2732	130
Numerical simulations of granular shear zones using the distinct element method: 1. Shear zone kinematics and the micromechanics of localization. <b>1999</b> , 104, 2703-2719	194
1748 On relating apparent stress to the stress causing earthquake fault slip. <b>1999</b> , 104, 3003-3011	165
Analysis of stress-induced oval fractures in a borehole at Deep Sea Drilling Project Site 504, easter equatorial Pacific. <b>1999</b> , 104, 2767-2775	n 1
1746 Lobate scarps and the Martian crustal dichotomy. <b>1999</b> , 104, 18981-18990	45
1745 Slip-parallel seismic lineations on the Northern Hayward Fault, California. <b>1999</b> , 26, 3525-3528	65
1744 Seismic-based estimate of hydraulic parameters at Vesuvius Volcano. <b>1999</b> , 26, 887-890	22
The updip and downdip limits to great subduction earthquakes: Thermal and structural models of Cascadia, south Alaska, SW Japan, and Chile. <b>1999</b> , 104, 14965-14991	391
Stress transfer by the 1988¶989 M = 5.3 and 5.4 Lake Elsman foreshocks to the Loma Prieta fault: Unclamping at the site of peak mainshock slip. <b>1999</b> , 104, 20169-20182	30
Stress tensor inversion using detailed microearthquake information and stability constraints:  Application to <b>I</b> fus in southwest Iceland. <b>1999</b> , 104, 14947-14964	83
Conditions for earthquake surface rupture along the San Andreas Fault System, California. <b>1999</b> , 104, 17929-17939	7
1739 Modeling local crustal isostasy caused by ductile flow in the lower crust. <b>1999</b> , 104, 20349-20359	14
Some remarks on the relation between vertical motions of the lithosphere during extension and the necking depth parameter inferred from kinematic modeling studies. <b>1999</b> , 104, 23245-23253	9
Is lithostatic loading important for the slip behavior and evolution of normal faults in the Earth's crust?. <b>1999</b> , 104, 28879-28898	19
1736 Small-scale models of multiring basins. <b>1999</b> , 104, 16501-16514	10
Rheology predictions across the western Carpathians, Bohemian massif, and the Pannonian basin: Implications for tectonic scenarios. <b>1999</b> , 18, 1139-1153	40
Controls on Fault-Zone Architecture in Poorly Lithified Sediments, Rio Grande Rift, New Mexico: Implications for Fault-Zone Permeability and Fluid Flow. <b>1999</b> , 27-49	48
1733 A Brittle Failure Mode Plot Defining Conditions for High-Flux Flow. <b>2000</b> , 95, 41-48	59

1732	Genetic Algorithm-Finite Element Inversion of Stress Field of Brazil. <b>2000</b> , 43, 191-199	3
1731	A Time-Dependent Frictional Cellular Automaton Model of Seismicity. <b>2000</b> , 43, 229-238	2
1730	A test of the validity of yield strength envelopes with an elastoviscoplastic finite element model. <b>2000</b> , 140, 399-409	47
1729	A strain-rate-dependent force model of lithospheric strength. <b>2000</b> , 141, 647-660	9
1728	Observations of flexure and the rheology of oceanic lithosphere. <b>2000</b> , 142, 855-875	152
1727	Permanent water level drop associated with the Spitak Earthquake: observations at Lisi Borehole (Republic of Georgia) and modelling. <b>2000</b> , 143, 83-98	16
1726	The cause of loss of lithospheric rigidity in areas far from plate tectonic activity. <b>2000</b> , 143, 752-776	14
1725	Constraining the stress tensor in the Visund field, Norwegian North Sea: Application to wellbore stability and sand production. <b>2000</b> , 37, 317-336	40
1724	Energy budgets of mining-induced earthquakes and their interactions with nearby stopes. <b>2000</b> , 37, 437-443	14
1723	Earth science. Strength of the San Andreas. <b>2000</b> , 405, 31-2	85
1722	Modelling hanging wall accommodation above rigid thrust ramps. <b>2000</b> , 22, 1165-1179	75
1721	Ultramylonite bands derived from cataclasite and pseudotachylyte in granites, northeast Japan. <b>2000</b> , 22, 1325-1339	56
1720	Localization of layer-parallel faults in San Rafael swell, Utah and other monoclinal folds. <b>2000</b> , 22, 1455-1468	19
1719	Mechanical Stability Of Mt. Vesuvius Volcano: Effects Of Asymmetries On The Stress Field. <b>2000</b> , 21, 407-421	4
1718	Thermal-rheological structure of the lithosphere beneath two types of basins in eastern and western China. <b>2000</b> , 43, 200-207	11
1717	Deformation, metamorphism and exhumation: quantitative models for a continental collision zone in the Variscides. <b>2000</b> , 179, 217-230	4
1716	Repeated lithosphere extension in the northern Viking Graben: a coupled or a decoupled rheology?. <b>2000</b> , 167, 59-81	16
1715	Evidence for a strong San Andreas fault. <b>2000</b> , 28, 163	179

1714	Heat flow and deep thermal structure near the southeastern edge of the Canadian Shield. <b>2000</b> , 37, 399-414	82
1713	Analogue scale models of pluton emplacement during transpression in brittle and ductile crust. <b>2000</b> ,	
1712	How faulting keeps the crust strong. <b>2000</b> , 28, 399	632
1711	Tectonic controls on maximum sustainable overpressure: fluid redistribution from stress transitions. <b>2000</b> , 69-70, 471-475	42
1710	Fluid involvement in normal faulting. <b>2000</b> , 29, 469-499	329
1709	Distribution of crustal extension and regional basin architecture of the Albertine rift system, East Africa. <b>2000</b> , 17, 1131-1150	43
1708	Effect of phyllosilicates on fluid-assisted healing of gouge-bearing faults. <b>2000</b> , 184, 199-210	80
1707	Piggyback basin development above a thin-skinned thrust belt with two detachment levels as a function of interactions between tectonic and superficial mass transfer: the case of the Subandean Zone (Bolivia). <b>2000</b> , 320, 45-67	63
1706	Crustal dynamics and active fault mechanics during subduction erosion. Application of frictional wedge analysis on to the North Chilean Forearc. <b>2000</b> , 321, 297-325	65
1705	Modelling the evolution of asymmetrical basins bounded by high-angle reverse faults with application to foreland basins. <b>2000</b> , 322, 203-218	10
1704	Shear test results for cohesion and friction coefficients for different granular materials: scaling implications for their usage in analogue modelling. <b>2000</b> , 324, 1-16	292
1703	Crust-mantle decoupling by flexure of continental lithosphere. <b>2000</b> , 105, 13221-13237	37
1702	Slip behavior of simulated gouge-bearing faults under conditions favoring pressure solution. <b>2000</b> , 105, 16699-16717	61
1701	Flexure and mechanical behavior of cratonic lithosphere: Gravity models of the East African and Baikal rifts. <b>2000</b> , 105, 19151-19162	66
1700	Factors controlling normal fault offset in an ideal brittle layer. <b>2000</b> , 105, 23431-23442	165
1699	Pore fluid pressure, apparent friction, and Coulomb failure. <b>2000</b> , 105, 25533-25542	139
1698	Dynamic versus static stress triggering and friction parameters: Inferences from the November 23, 1980, Irpinia earthquake. <b>2000</b> , 105, 21647-21659	24
1697	Crustal deformation near Hengill volcano, Iceland 1993¶998: Coupling between magmatic activity and faulting inferred from elastic modeling of satellite radar interferograms. 2000, 105, 25655-25670	81

# (2001-2000)

1696	Dislocation and diffusion creep of synthetic anorthite aggregates. <b>2000</b> , 105, 26017-26036	188
1695	An elastic wedge model for the development of coeval normal and thrust faulting in the Mauna Loa-Kilauea rift system in Hawaii. <b>2000</b> , 105, 25909-25925	8
1694	Do intermediate- and deep-focus earthquakes occur on preexisting weak zones? An examination of the Tonga subduction zone. <b>2000</b> , 105, 28125-28138	84
1693	Strength of Martian lithosphere beneath large volcanoes. <b>2000</b> , 105, 26713-26732	19
1692	The effect of mineral bond strength and adsorbed water on fault gouge frictional strength. <b>2000</b> , 27, 815-818	261
1691	Fracture permeability and in situ stress to 7 km depth in the KTB scientific drillhole. <b>2000</b> , 27, 1045-1048	101
1690	Did stress triggering cause the large off-fault aftershocks of the 25 March 1998 Mw=8.1 Antarctic Plate earthquake?. <b>2000</b> , 27, 2301-2304	21
1689	Seismotectonics of the Norwegian continental margin. <b>2000</b> , 105, 6221-6236	54
1688	Crustal rheology and faulting at strike-slip plate boundaries: 2. Effects of lower crustal flow. <b>2000</b> , 105, 5599-5613	41
1687	Induced earthquakes accompanying the water injection experiment at the Nojima fault zone, Japan: Seismicity and its migration. <b>2000</b> , 105, 6089-6104	53
1686	Poroelastic coupling between the 1992 Landers and Big Bear Earthquakes. <b>2000</b> , 27, 3647-3650	20
1685	Intraplate earthquakes and a seismically defined lateral transition in the upper mantle. 2000, 27, 3953-3956	12
1684	Paleoflexure. <b>2000</b> , 27, 2385-2388	18
1683	Finite element models of stress orientations in well-developed strike-slip fault zones: Implications for the distribution of lower crustal strain. <b>2001</b> , 106, 26707-26729	20
1682	Crustal stress field in southern California and its implications for fault mechanics. <b>2001</b> , 106, 21859-21882	225
1681	Evaluation of instability in fractured rock masses using numerical analysis methods: Effects of fracture geometry and loading direction. <b>2001</b> , 106, 26671-26687	21
1680	An integrated mechanical model of the San Andreas Fault in central and northern California. <b>2001</b> , 106, 22051-22066	67
1679	Orientation of the stress field surrounding the creeping section of the San Andreas Fault: Evidence for a narrow mechanically weak fault zone. <b>2001</b> , 106, 11373-11386	51

1678	Numerical modeling of Cenozoic stress patterns in the mid-Norwegian margin and the northern North Sea. <b>2001</b> , 20, 585-599	39
1677	Paleostress magnitudes associated with development of mountain belts: Insights from tectonic analyses of calcite twins in the Taiwan Foothills. <b>2001</b> , 20, 834-849	56
1676	Earthquake stress drop and laboratory-inferred interseismic strength recovery. <b>2001</b> , 106, 30701-30713	60
1675	Passive roof thrusting and forelandward fold propagation in scaled brittle-ductile physical models of thrust wedges. <b>2001</b> , 106, 2291-2311	82
1674	High-temperature embrittlement of extensional Alpine mylonite zones in the midcrustal ductile-brittle transition. <b>2001</b> , 106, 4337-4348	30
1673	Comparison of the microfracture localization in granite between fracturation and slip of a preexisting macroscopic healed joint by acoustic emission measurements. <b>2001</b> , 106, 8687-8698	20
1672	A constraint on the shear stress at the Pacific-Australian plate boundary from heat flow and seismicity at the Kermadec forearc. <b>2001</b> , 106, 6817-6833	50
1671	Testing the viability of topographic relaxation as a mechanism for the formation of lunar floor-fractured craters. <b>2001</b> , 106, 27901-27909	31
1670	Rheological control on the initial geometry of the Raft River detachment fault and shear zone, western United States. <b>2001</b> , 20, 435-457	26
1669	Stress drop with constant, scale independent seismic efficiency and overshoot. <b>2001</b> , 28, 3353-3356	17
1668	Temperature and pore pressure effects on the shear strength of granite in the Brittle-Plastic Transition Regime. <b>2001</b> , 28, 3011-3014	28
1667	Dynamical analysis of continental overflow. <b>2001</b> , 31, 293-310	4
1666	The role of fault zones and melts as agents of weakening, hardening and differentiation of the continental crust: a synthesis. <b>2001</b> , 186, 305-332	34
1665	On origin of near-axis volcanism and faulting at fast spreading mid-ocean ridges. <b>2001</b> , 190, 31-39	44
1664	Weak zone formation for initiating subduction from thermo-mechanical feedback of low-temperature plasticity. <b>2001</b> , 190, 237-250	18
1663	Heat flow pattern and lateral variations of lithosphere strength in China mainland: constraints on active deformation. <b>2001</b> , 126, 121-146	121
1662	Cadomian tectonics in northern Brittany: a contribution of 3-D crustal-scale modelling. <b>2001</b> , 331, 229-246	22
1661	Three-dimensional modeling of the behavior of the oblique convergent boundary of southeast Taiwan: friction and strain partitioning. <b>2001</b> , 333, 261-276	13

## (2001-2001)

1660	Stress orientation on the Norwegian continental shelf derived from borehole failures observed in high-resolution borehole imaging logs. <b>2001</b> , 337, 65-84	26
1659	Sandbox modelling of thrust wedges with fluid-assisted detachments. <b>2001</b> , 334, 245-258	68
1658	Implications of hydrostatic pore pressures and high crustal strength for the deformation of intraplate lithosphere. <b>2001</b> , 336, 19-30	291
1657	New approach for the quantification of paleostress magnitudes: application to the Soultz vein system (Rhine graben, France). <b>2001</b> , 336, 215-231	42
1656	Thermo-rheological, shear heating model for leucogranite generation, metamorphism, and deformation during the Proterozoic Trans-Hudson orogeny, Black Hills, South Dakota. <b>2001</b> , 342, 371-388	64
1655	Cenozoic extension and magmatism in the North American Cordillera: the role of gravitational collapse. <b>2001</b> , 342, 407-433	65
1654	The structure and rheological evolution of reactivated continental fault zones: a review and case study. <b>2001</b> , 184, 115-137	61
1653	The nature and tectonic significance of fault-zone weakening: an introduction. <b>2001</b> , 186, 1-11	40
1652	Strength of slightly serpentinized peridotites: Implications for the tectonics of oceanic lithosphere. <b>2001</b> , 29, 1023	250
1651	Core complex mechanics: From the Gulf of Corinth to the Snake Range. <b>2001</b> , 29, 439	47
1650	World Stress Map of the Earth: a key to tectonic processes and technological applications. <b>2001</b> , 88, 357-71	55
1649	Formation of caldera periphery faults: an experimental study. <b>2001</b> , 63, 191-203	128
1648	Strain localization as a key to reconciling experimentally derived flow-law data with dynamic models of continental collision. <b>2001</b> , 90, 168-180	26
1647	Grain-size-sensitive flow and shear-stress enhancement at the brittleductile transition of the continental crust. <b>2001</b> , 90, 181-196	19
1646	Textural and microstructural evidence for semi-brittle flow in natural fault rocks with varied mica contents. <b>2001</b> , 90, 14-27	20
1645	Dynamic modelling of stress accumulation in Central Italy: role of structural heterogeneities and rheology. <b>2001</b> , 144, 373-390	14
1644	Dynamic ruptures in recent models of earthquake faults. <b>2001</b> , 49, 2209-2244	244
1643	Depth distribution of earthquakes in the Baikal rift system and its implications for the rheology of the lithosphere. <b>2001</b> , 146, 714-730	110

1642 Study on generation of rock fracture surfaces by using fractal interpolation. <b>2001</b> , 38, 5765-5787	7 74
Implications of earthquake focal mechanisms for the frictional strength of the San Andreas fault system. <b>2001</b> , 186, 13-21	53
1640 Evidence for fault weakness and fluid flow within an active low-angle normal fault. <b>2001</b> , 411, 77	<b>79-83</b> 85
Fracture termination and step-over at bedding interfaces due to frictional slip and interface opening. <b>2001</b> , 23, 223-238	214
Polygonal fault networks in fine-grained sediments (an alternative to the syneresis mechanism. <b>2001</b> , 19, 69-73	31
1637 Seismicity changes related to a water injection experiment in the Nojima Fault Zone. <b>2001</b> , 10, 2	35-243 12
1636 ESR analysis of the Nojima fault gouge, Japan, from the DPRI 500 m borehole. <b>2001</b> , 10, 479-485	10
Geological and geophysical studies of the Nojima Fault from drilling: An outline of the Nojima Fault from Probe. <b>2001</b> , 10, 206-214	oult 51
1634 Normal faults, normal friction?. <b>2001</b> , 29, 927	200
ESR and ICP analyses of the DPRI 500 m drill core samples penetrating through the Nojima Fault Japan. <b>2001</b> , 10, 465-478	16
1632 Stresses at sites close to the Nojima Fault measured from core samples. <b>2001</b> , 10, 266-281	21
Geodynamic models of continental extension and the formation of non-volcanic rifted continent margins. <b>2001</b> , 187, 511-536	tal 13
A tale of two kinds of normal fault: the importance of strain weakening in fault development. <b>20</b> 187, 289-303	9
1629 Deformation on nearby faults induced by the 1999 Hector Mine earthquake. <b>2002</b> , 297, 1858-62	149
1628 Steady-State Failure Equilibrium and Deformation of Intraplate Lithosphere. <b>2002</b> , 44, 383-401	120
Fault reactivation, leakage potential, and hydrocarbon column heights in the northern north sea <b>2002</b> , 203-219	. 18
1626 Laboratory Constraints on the Rheology of the Upper Mantle. <b>2002</b> , 51, 97-120	28
1625 Encouraging the extrusion of deep-crustal rocks in collisional zones. <b>2002</b> , 66, 5-24	23

## (2002-2002)

Arcuate thrust systems in sandbox experiments: A comparison to the external arcs of the Western Alps. <b>2002</b> , 114, 1089-1107	63
1623 Neoarchaean tectonic evolution of the Zimbabwe Craton. <b>2002</b> , 199, 183-211	28
On estimating the strength of calcite rocks under natural conditions. <b>2002</b> , 200, 309-329	29
1621 29 Geology of the crustal earthquake source. <b>2002</b> , 81, 455-473	25
1620 33 State of stress within the earth. <b>2002</b> , 539-557	15
1619 Strength and Energetics of Active Fault Zones. <b>2002</b> , 81, 569-XIII	16
1618 40 Case histories of induced and triggered seismicity. <b>2002</b> , 647-661	154
1617 32 Rock failure and earthquakes. <b>2002</b> , 505-537	37
Deformation of the continental lithosphere: Insights from brittle-ductile models. <b>2002</b> , 200, 355-370	46
Estimation of Stress Profile with Depth from Analysis of Temperature and Fracture Orientation	
Logs in a 3.6 km Deep Well at Soultz, France. <b>2002</b> ,	2
	2
Logs in a 3.6 km Deep Well at Soultz, France. <b>2002</b> ,	2 17
Logs in a 3.6 km Deep Well at Soultz, France. 2002,  References. 2002, 415-466  Deformation Analysis in Reservoir Space (DARS): A Simple Formalism for Prediction of Reservoir	
Logs in a 3.6 km Deep Well at Soultz, France. 2002,  References. 2002, 415-466  Deformation Analysis in Reservoir Space (DARS): A Simple Formalism for Prediction of Reservoir Deformation With Depletion. 2002,  The Legendre Field Development and Geomechanical Program: From Exploration to Drilling to	
Logs in a 3.6 km Deep Well at Soultz, France. 2002,  References. 2002, 415-466  Deformation Analysis in Reservoir Space (DARS): A Simple Formalism for Prediction of Reservoir Deformation With Depletion. 2002,  The Legendre Field Development and Geomechanical Program: From Exploration to Drilling to Production. 2002,	17
Logs in a 3.6 km Deep Well at Soultz, France. 2002,  References. 2002, 415-466  Deformation Analysis in Reservoir Space (DARS): A Simple Formalism for Prediction of Reservoir Deformation With Depletion. 2002,  The Legendre Field Development and Geomechanical Program: From Exploration to Drilling to Production. 2002,  Nearly frictionless faulting by unclamping in long-term interaction models. 2002, 30, 1063	17 8
Logs in a 3.6 km Deep Well at Soultz, France. 2002,  References. 2002, 415-466  Deformation Analysis in Reservoir Space (DARS): A Simple Formalism for Prediction of Reservoir Deformation With Depletion. 2002,  The Legendre Field Development and Geomechanical Program: From Exploration to Drilling to Production. 2002,  Nearly frictionless faulting by unclamping in long-term interaction models. 2002, 30, 1063  Estimating Fluid Pressures That Can Induce Reservoir Failure During Hydrocarbon Depletion. 2002,  Discrimination of Natural Fractures From Drilling-Induced Wellbore Failures in Wellbore Image Data	17 8 11

1606	Aftershock triggering by complete Coulomb stress changes. <b>2002</b> , 107, ESE 2-1-ESE 2-14	121
1605	Frictional-viscous flow of phyllosilicate-bearing fault rock: Microphysical model and implications for crustal strength profiles. <b>2002</b> , 107, ECV 1-1	201
1604	Control of folding by gravity and matrix thickness: Implications for large-scale folding. <b>2002</b> , 107, ETG 1-1-ETG 1-16	64
1603	Dilatancy, brittle strength, and anisotropy of foliated rocks: Experimental deformation and micromechanical modeling. <b>2002</b> , 107, ETG 8-1-ETG 8-14	56
1602	Topographic stress perturbations in southern Davis Mountains, west Texas 2. Hydrogeologic implications. <b>2002</b> , 107, ETG 6-1-ETG 6-10	10
1601	Mechanisms of normal fault development at mid-ocean ridges. 2002, 107, EPM 7-1-EPM 7-17	26
1600	High-resolution image of Calaveras Fault seismicity. <b>2002</b> , 107, ESE 5-1-ESE 5-16	127
1599	Creep along the Imperial Fault, southern California, from GPS measurements. <b>2002</b> , 107, ETG 12-1-ETG 12-13	29
1598	Thermal models of the Mexico subduction zone: Implications for the megathrust seismogenic zone. <b>2002</b> , 107, ETG 15-1-ETG 15-13	74
1597	Low frictional strength of quartz rocks at subseismic slip rates. <b>2002</b> , 29, 25-1-25-4	200
1596	The minimum depth of fault failure in compressional environments. <b>2002</b> , 29, 8-1-8-4	6
1595	Localized gravity/topography admittance and correlation spectra on Mars: Implications for regional and global evolution. <b>2002</b> , 107, 19-1-19-25	214
1594	Soft Plate and Impact Tectonics. 2002,	25
1593	34 State of stress in the Earth's lithosphere. <b>2002</b> , 81, 559-XII	19
1592	Deep structure and mechanical behavior of the lithosphere in the Hangaill Sglregion, Mongolia: new constraints from gravity modeling. <b>2002</b> , 197, 133-149	59
1591	A continuum mechanics model for normal faulting using a strain-rate softening rheology: implications for thermal and rheological controls on continental and oceanic rifting. <b>2002</b> , 202, 725-740	59
1590	The elastic properties of the lithosphere beneath Scotian basin. <b>2002</b> , 344, 137-156	2

1588	Fault plane solutions of microearthquakes and small events in the Hellenic arc. 2002, 356, 87-114	25
1587	Interaction of faults and perturbation of slip: influence of anisotropic stress states in the presence of fault friction and comparison between Wallace <b>B</b> ott and 3D Distinct Element models. <b>2002</b> , 356, 307-322	24
1586	A low-angle normal fault in the Umbria region (Central Italy): a mechanical model for the related microseismicity. <b>2002</b> , 359, 97-115	116
1585	Analogue models of orogenic wedges controlled by erosion. <b>2002</b> , 356, 323-336	68
1584	Rigidity of the Atlantic oceanic lithosphere beneath New England seamounts. 2002, 359, 359-369	8
1583	Seismic anisotropy and mantle creep in young orogens. <b>2002</b> , 149, 1-14	81
1582	Three-dimensional nonplanar simulation of the 1992 Landers earthquake. <b>2002</b> , 107, ESE 4-1	102
1581	The initiation of orogenic margin reverse faulting. <b>2002</b> , 29, 46-1	
1580	Spatial heterogeneity of tectonic stress and friction in the crust. <b>2002</b> , 29, 12-1-12-4	58
1579	Simultaneous inversion of gravity and heat flow data: constraints on thermal regime, rheology and evolution of the Canadian Shield crust?. <b>2002</b> , 34, 11-30	12
1578	Coseismic and postseismic stress changes in a subducting plate: Possible stress interactions between large interplate thrust and intraplate normal-faulting earthquakes. <b>2002</b> , 107, ESE 5-1-ESE 5-12	25
1577	Predicting Critical Borehole Pressure And Critical Reservoir Pore Pressure In Pressure Depleted And Repressurized Reservoirs. <b>2002</b> ,	4
1576	Geomechanical Fault Characterization: Impact on Quantitative Fault Seal Risking. 2002,	2
1575	4. Laboratory Constraints on the Rheology of the Upper Mantle. <b>2002</b> , 97-120	13
1574	The state of stress in the limb of the Split Mountain anticline, Utah: constraints placed by transected joints. <b>2002</b> , 24, 155-172	38
1573	Modeling of grabens extending above evaporites in Canyonlands National Park, Utah. <b>2002</b> , 24, 247-275	56
1572	Experimental insights on the geometry and kinematics of fold-and-thrust belts above weak, viscous evaporitic dcollement. <b>2002</b> , 24, 1729-1739	201
1571	Strength of Faults on Mars from MOLA Topography. <b>2002</b> , 157, 34-42	25

1570	Preliminary analysis on the tectonic stress level in the source region of Tangshan earthquake. <b>2002</b> , 15, 285-293	5
1569	Mantle Convection Modeling with Viscoelastic/Brittle Lithosphere: Numerical Methodology and Plate Tectonic Modeling. <i>Pure and Applied Geophysics</i> , <b>2002</b> , 159, 2335-2356	69
1568	Dependence of horizontal stress magnitude on load dimension in glacial rebound models. <b>2002</b> , 132, 41-60	60
1567	The distributions of slip rate and ductile deformation in a strike-slip shear zone. <b>2002</b> , 148, 179-192	1
1566	The distributions of slip rate and ductile deformation in a strike-slip shear zone. <b>2002</b> , 148, 179-192	11
1565	Numerical models of the evolution of accretionary wedges and fold-and-thrust belts using the distinct-element method. <b>2002</b> , 148, 542-561	81
1564	Strike-slip earthquakes in the oceanic lithosphere: observations of exceptionally high apparent stress. <b>2002</b> , 150, 506-523	61
1563	Time-dependent effects in elastoviscoplastic models of loaded lithosphere. 2002, 151, 612-621	6
1562	Crustfhantle decoupling and the growth of the Archaean Zimbabwe craton. 2002, 34, 157-166	15
1561	Influence of syntectonic sedimentation on thrust geometry. Field examples from the Iberian Chain (Spain) and analogue modelling. <b>2002</b> , 146, 91-104	55
1560	A preliminary model for 3-D rheological structure of the lithosphere in North China. <b>2003</b> , 46, 461-473	13
1559	An experimental study on semi-brittle and plastic rheology of Panzhihua gabbro. <b>2003</b> , 46, 730-742	14
1558	Structure of Mesozoic oceanic crust in the vicinity of the Cape Verde Islands from seismic reflection profiles. <b>2003</b> , 24, 329-343	3
1557	The role of hydromechanical coupling in fractured rock engineering. <b>2003</b> , 11, 7-40	435
1556	Analogue modelling of continental extension: a review focused on the relations between the patterns of deformation and the presence of magma. <b>2003</b> , 63, 169-247	248
1555	Mechanical models of fault propagation folds and comparison to the trishear kinematic model. <b>2003</b> , 25, 1-18	57
1554	Effect of ductile and frictional dcollements on style of extension. <b>2003</b> , 25, 1401-1423	49
1553	Duplex style and triangle zone formation: insights from physical modeling. <b>2003</b> , 25, 1623-1644	118

# (2003-2003)

1552	The impact of analogue material properties on the geometry, kinematics, and dynamics of convergent sand wedges. <b>2003</b> , 25, 1691-1711	250
1551	Simple procedure for quantification of the gravitational stress field in fractured hard rock massifs. <b>2003</b> , 68, 397-400	1
1550	Determination of stress orientation and magnitude in deep wells. 2003, 40, 1049-1076	559
1549	Friction experiments on saturated sediments and their implications for the stress state of the Nankai and Barbados subduction thrusts. <b>2003</b> , 202, 193-210	94
1548	Evidence of thermally induced borehole elongation: a case study at Soultz, France. 2003, 40, 1121-1140	44
1547	Particle size distributions of fault rocks and fault transpression: are they related?. 2003, 15, 61-66	13
1546	Stress, fluid pressure and structural permeability in seismogenic crust, North Island, New Zealand. <b>2003</b> , 154, 584-594	116
1545	Tectonics of the Northern Bresse region (France) during the Alpine cycle. <b>2003</b> , 16, 131-147	12
1544	Lithospheric failure on Venus. <b>2003</b> , 459, 2663-2704	19
1543	Stress drops and radiated energies of aftershocks of the 1994 Northridge, California, earthquake. <b>2003</b> , 108,	61
1542	Easter microplate dynamics. 2003, 108,	12
1541	Stress orientations in northern and central California: Evidence for the evolution of frictional strength along the San Andreas plate boundary system. <b>2003</b> , 108,	50
1540	The 2001 Skyros, Northern Aegean, Greece, earthquake sequence: off - fault aftershocks, tectonic implications, and seismicity triggering. <b>2003</b> , 30, 12-1-12-4	48
1539	Fault creep along the southern San Andreas from interferometric synthetic aperture radar, permanent scatterers, and stacking. <b>2003</b> , 108,	131
1538	Topographically driven groundwater flow and the San Andreas heat flow paradox revisited. <b>2003</b> , 108,	33
1537	Longevity and stability of cratonic lithosphere: Insights from numerical simulations of coupled mantle convection and continental tectonics. <b>2003</b> , 108,	131
1536	Ascent and emplacement of buoyant magma bodies in brittle-ductile upper crust. 2003, 108,	87
1535	Spacing of faults at the scale of the lithosphere and localization instability: 2. Application to the Central Indian Basin. <b>2003</b> , 108,	11

1534	From subduction to collision: Control of deep processes on the evolution of convergent plate boundary. <b>2003</b> , 108,	54
1533	A volcanotectonic cascade: Activation of range front faulting and eruptions by dike intrusion, Mono Basin-Long Valley Caldera, California. <b>2003</b> , 108,	29
1532	Rheology and strength of the Eurasian continental lithosphere in the foreland of the Taiwan collision belt: Constraints from seismicity, flexure, and structural styles. <b>2003</b> , 108,	42
1531	Large earthquake cycles and intermittent criticality on heterogeneous faults due to evolving stress and seismicity. <b>2003</b> , 108,	69
1530	Coulomb stress accumulation along the San Andreas Fault system. <b>2003</b> , 108,	54
1529	The formation of conjugate normal fault systems in folded sandstone by sequential jointing and shearing, Waterpocket monocline, Utah. <b>2003</b> , 108,	19
1528	Finite element model predictions of static deformation from dislocation sources in a subduction zone: Sensitivities to homogeneous, isotropic, Poisson-solid, and half-space assumptions. <b>2003</b> , 108,	99
1527	Thrust faults along the dichotomy boundary in the eastern hemisphere of Mars. 2003, 108,	87
1526	Clues to the lithospheric structure of Mars from wrinkle ridge sets and localization instability. <b>2003</b> , 108,	77
1525	Effect of stress fields on magma chamber stability and the formation of collapse calderas. 2003, 22, n/a-n/a	50
1524	Initial crustal thickness geometry controls on the extension in a back arc domain: Case of the Gulf of Corinth. <b>2003</b> , 22, n/a-n/a	16
1523	Detachment folding, fold amplification, and diapirism in thrust wedge experiments. 2003, 22, n/a-n/a	62
1522	Stress field in the Northern Rhine area, Central Europe, from earthquake fault plane solutions. <b>2003</b> , 377, 325-356	54
1521	Critical stress-related permeability in fractured rocks. <b>2003</b> , 209, 7-16	27
1520	New aspects of tectonic stress inversion with reference to the TENSOR program. <b>2003</b> , 212, 75-100	174
1519	Thickness of the Seismic Slip Zone. <b>2003</b> , 93, 1169-1178	312
1518	Fault development and interaction in distributed strike-slip shear zones: an experimental approach. <b>2003</b> , 210, 35-52	23
1517	Numerical modelling of a mantle plume: the plume head[Ithosphere interaction in the formation of an oceanic large igneous province. <b>2003</b> , 206, 379-396	67

1516	A theoretical model for reverse water-level fluctuations induced by transient permeability in thrust fault zones. <b>2003</b> , 210, 579-586	11
1515	Lithospheric strength and its relationship to the elastic and seismogenic layer thickness. <b>2003</b> , 213, 113-131	276
1514	Lower-crustal strength under the Dead Sea basin from local earthquake data and rheological modeling. <b>2003</b> , 214, 129-142	89
1513	RETRACTED: Is the plastic flow uniformly distributed below the seismogenic region?. 2003, 364, 43-53	11
1512	Comminution and fluidization of granular fault materials: implications for fault slip behavior. <b>2003</b> , 367, 127-143	71
1511	Why rifts invert in compression. <b>2003</b> , 373, 5-24	44
1510	A lithospheric-scale seismogenic thrust in central Italy. <b>2003</b> , 36, 79-94	55
1509	The classical view of earthquakes. <b>2003</b> , 20-101	
1508	Effect of spatial distribution of Hormuz salt on deformation style in the Zagros fold and thrust belt: an analogue modelling approach. <b>2003</b> , 160, 719-733	194
1507	Reservoir stress path during depletion of Norwegian chalk oilfields. <b>2003</b> , 9, 233-241	37
1506	MOUNTAIN BUILDING, EROSION, AND THE SEISMIC CYCLE IN THE NEPAL HIMALAYA. <b>2003</b> , 46, 1-80	238
1505	Stress in the Earth's Lithosphere. <b>2003</b> , 143-154	1
1504	Analysis of analogue models by helical X-ray computed tomography. <b>2003</b> , 215, 213-223	14
1503	On the Expected Relationships among Apparent Stress, Static Stress Drop, Effective Shear Fracture Energy, and Efficiency. <b>2003</b> , 93, 1381-1389	48
1502	Contrast of Rheology of Crust and Mantle near Moho Revealed by Depth Variation of Earthquake Mechanism in Continental China. <b>2003</b> , 46, 516-525	5
1501	No frictional heat along the San Gabriel fault, California: Evidence from fission-track thermochronology. <b>2003</b> , 31, 541	46
1500	Role of synkinematic ductile levels on the evolution of compressive zones lanalogue modelling. <b>2004</b> , 175, 351-359	11
1499	Shear zones lan introduction and overview. <b>2004</b> , 224, 1-9	7

1498	Properties of the 2003 Lefkada, Ionian Islands, Greece, Earthquake Seismic Sequence and Seismicity Triggering. <b>2004</b> , 94, 1976-1981	58
1497	Three-dimensional finite-element modeling of a thin-skinned fold-thrust belt wedge: Provo salient, Sevier belt, Utah. <b>2004</b> , 32, 561	6
1496	Estimation of fault strength: reconstruction of stress before the 1995 Kobe earthquake. <b>2004</b> , 306, 261-3	28
1495	Constraints on the state of in situ effective stress and the mechanical behavior of ODP Leg 186 claystones in the Japan Trench forearc. <b>2004</b> , 13, 242-257	5
1494	Earthquakes as three stage processes. <b>2004</b> , 158, 98-108	12
1493	Coseismic slip resolution and post-seismic relaxation time of the 1999 Chi-Chi, Taiwan, earthquake as constrained by geological observations, geodetic measurements and seismicity. <b>2004</b> , 158, 310-326	20
1492	Thermal structure, coupling and metamorphism in the Mexican subduction zone beneath Guerrero. <b>2004</b> , 158, 775-784	58
1491	Friction falls towards zero in quartz rock as slip velocity approaches seismic rates. <b>2004</b> , 427, 436-9	416
1490	Controls on maximum fluid overpressure defining conditions for mesozonal mineralisation. <b>2004</b> , 26, 1127-1136	140
1489	Comparisons between analogue and numerical models of thrust wedge development. <b>2004</b> , 26, 1659-1675	96
1488	Activation of rift oblique and rift parallel pre-existing fabrics during extension and their effect on deformation style: examples from the rifts of Thailand. <b>2004</b> , 26, 1803-1829	191
1487	Rhyodacitic fissure eruption in Southern Andes (Cordfi Caulle; 40.5°S) after the 1960 (Mw:9.5) Chilean earthquake: a structural interpretation. <b>2004</b> , 138, 127-138	104
1486	Reverse migration of seismicity on thrusts and normal faults. <b>2004</b> , 65, 195-222	28
1485	Maximum effective moment criterion and the origin of low-angle normal faults. <b>2004</b> , 26, 271-285	51
1484	Sedimentary basin inversion and intra-plate shortening. <b>2004</b> , 65, 277-304	128
1483	Defining a model of 3D seismogenic sources for Seismic Hazard Assessment applications: The case of central Apennines (Italy). <b>2004</b> , 8, 407-425	180
1483		180

1480 Review of numerical simulation on the dynamics of Qinghai-Xizang plateau. **2004**, 17, 604-617

1479	Estimating fault stability and sustainable fluid pressures for underground storage of CO2 in porous rock. <b>2004</b> , 29, 1445-1456	225
1478	Dynamic FE analysis of South Memnon Colossus including 3D soilfoundationEtructure interaction. <b>2004</b> , 82, 1719-1736	30
1477	A new view of earthquake and volcano precursors. <b>2004</b> , 56, 689-713	12
1476	Origin of the concentrated deformation zone in the Japanese Islands and stress accumulation process of intraplate earthquakes. <b>2004</b> , 56, 831-842	34
1475	Strength of moist sand controlled by surface tension for tectonic analogue modelling. <b>2004</b> , 384, 275-275	
1474	A comparison of structural data and seismic images for low-angle normal faults in the Northern Apennines (Central Italy): constraints on activity. <b>2004</b> , 224, 95-112	17
1473	River transport effects on compressional belts: First results from an integrated analogue-numerical model. <b>2004</b> , 109,	35
1472	Growth and erosion of fold-and-thrust belts with an application to the Aconcagua fold-and-thrust belt, Argentina. <b>2004</b> , 109,	42
1471	Steady state erosion of critical Coulomb wedges with applications to Taiwan and the Himalaya. <b>2004</b> , 109,	72
1470	Three-dimensional Laramide deformation of the Colorado Plateau: Competing stresses from the Sevier thrust belt and the flat Farallon slab. <b>2004</b> , 23, n/a-n/a	10
1469	Late Cenozoic stress distribution along the Misis Range in the Anatolian, Arabian, and African plate intersection region, SE Turkey. <b>2004</b> , 23, n/a-n/a	8
1468	Paleo-stress estimates on ancient seismogenic faults based on frictional heating of coal. <b>2004</b> , 31,	28
1467	Regional tectonic stress near the San Andreas fault in central and southern California. <b>2004</b> , 31,	170
1466	Heat flow in the SAFOD pilot hole and implications for the strength of the San Andreas Fault. <b>2004</b> , 31,	51
1465	Temperature fields generated by the elastodynamic propagation of shear cracks in the Earth. <b>2004</b> , 109,	37
1464	Crystallographic controls on the frictional behavior of dry and water-saturated sheet structure minerals. <b>2004</b> , 109,	195
1463	Slip tendency analysis as a tool to constrain fault reactivation: A numerical approach applied to three-dimensional fault models in the Roer Valley rift system (southeast Netherlands). <b>2004</b> , 109,	26

1462	Initiation of subduction by small-scale convection. <b>2004</b> , 109,	36
1461	Effect of unbalanced topography and overloading on Coulomb wedge kinematics: Insights from sandbox modeling. <b>2004</b> , 109,	22
1460	Elevated stresses and creep rates beneath the brittle-ductile transition caused by seismic faulting in the upper crust. <b>2004</b> , 109,	83
1459	Plastic faulting: Brittle-like failure under high confinement. <b>2004</b> , 109, n/a-n/a	19
1458	Relaxation of compensated topography and the evolution of crustal plateaus on Venus. 2004, 109,	22
1457	Fracture prediction for the 1980 El Asnam, Algeria earthquake via elastic dislocation modeling. <b>2004</b> , 23, n/a-n/a	13
1456	Response of the tectonically erosive south Peruvian forearc to subduction of the Nazca Ridge: Analysis of three-dimensional analogue experiments. <b>2004</b> , 23, n/a-n/a	43
1455	Tectonic evolution of a continental collision zone: A thermomechanical numerical model. <b>2004</b> , 23, n/a-n/a	73
1454	A mechanical model of the San Andreas fault and SAFOD Pilot Hole stress measurements. <b>2004</b> , 31,	42
1453	Stress orientations and magnitudes in the SAFOD pilot hole. <b>2004</b> , 31,	172
	Stress orientations and magnitudes in the SAFOD pilot hole. <b>2004</b> , 31,  A simple dynamic model for the 1995 Kobe, Japan earthquake. <b>2004</b> , 31,	172 6
1452		
1452	A simple dynamic model for the 1995 Kobe, Japan earthquake. <b>2004</b> , 31,  Slip tapers at the tips of faults and earthquake ruptures. <b>2004</b> , 31, n/a-n/a	6
1452 1451	A simple dynamic model for the 1995 Kobe, Japan earthquake. <b>2004</b> , 31,  Slip tapers at the tips of faults and earthquake ruptures. <b>2004</b> , 31, n/a-n/a	6
1452 1451 1450	A simple dynamic model for the 1995 Kobe, Japan earthquake. 2004, 31,  Slip tapers at the tips of faults and earthquake ruptures. 2004, 31, n/a-n/a  Assessing the work budget and efficiency of fault systems using mechanical models. 2004, 109,  Influence of normal stress and grain shape on granular friction: Results of discrete element	6 45 35
1452 1451 1450 1449	A simple dynamic model for the 1995 Kobe, Japan earthquake. 2004, 31,  Slip tapers at the tips of faults and earthquake ruptures. 2004, 31, n/a-n/a  Assessing the work budget and efficiency of fault systems using mechanical models. 2004, 109,  Influence of normal stress and grain shape on granular friction: Results of discrete element simulations. 2004, 109,	6 45 35 59
1452 1451 1450 1449 1448	A simple dynamic model for the 1995 Kobe, Japan earthquake. 2004, 31,  Slip tapers at the tips of faults and earthquake ruptures. 2004, 31, n/a-n/a  Assessing the work budget and efficiency of fault systems using mechanical models. 2004, 109,  Influence of normal stress and grain shape on granular friction: Results of discrete element simulations. 2004, 109,  Radar interferometry for measuring tidal strains across cracks on Europa. 2004, 109,	6 45 35 59 5

1444	Syn-convergent exhumation and lateral extrusion in continental collision zonesshsights from three-dimensional numerical models. <b>2004</b> , 382, 1-29	34
1443	Intraplate paleostresses reconstructed with calcite twinning and faulting: improved method and application to the eastern Paris Basin (Lorraine, France). <b>2004</b> , 387, 1-21	39
1442	Strength of moist sand controlled by surface tension for tectonic analogue modelling. 2004, 384, 275-284	24
1441	Localized rheological weakening by grain-size reduction during lithospheric extension. <b>2004</b> , 386, 117-145	9
1440	Mechanochemical dissociation of calcium carbonate: laboratory data and relation to natural emissions of CO2. <b>2004</b> , 142, 205-214	15
1439	Using stress deflections to identify slip events in fault systems. <b>2004</b> , 217, 409-424	32
1438	Strain-rate-dependent rheology of partially molten rocks. <b>2004</b> , 227, 327-336	7
1437	Stress orientations at intermediate angles to the San Andreas Fault, California. 2004, 109,	91
1436	Stress-controlled localization of deformation and fluid flow in fractured rocks. <b>2004</b> , 231, 299-314	12
1435	Modeling damage and deformation in impact simulations. <b>2004</b> , 39, 217-231	310
1435	Origin and emplacement of the impact formations at Chicxulub, Mexico, as revealed by the ICDP	310 74
,,,,	Origin and emplacement of the impact formations at Chicxulub, Mexico, as revealed by the ICDP	
1434	Origin and emplacement of the impact formations at Chicxulub, Mexico, as revealed by the ICDP deep drilling at Yaxcopoil-1 and by numerical modeling. <b>2004</b> , 39, 1035-1067  Upward delamination of Cascadia Basin sediment infill with landward frontal accretion thrusting	74
1434	Origin and emplacement of the impact formations at Chicxulub, Mexico, as revealed by the ICDP deep drilling at Yaxcopoil-1 and by numerical modeling. 2004, 39, 1035-1067  Upward delamination of Cascadia Basin sediment infill with landward frontal accretion thrusting caused by rapid glacial age material flux. 2004, 23, n/a-n/a	74 59
1434 1433 1432	Origin and emplacement of the impact formations at Chicxulub, Mexico, as revealed by the ICDP deep drilling at Yaxcopoil-1 and by numerical modeling. 2004, 39, 1035-1067  Upward delamination of Cascadia Basin sediment infill with landward frontal accretion thrusting caused by rapid glacial age material flux. 2004, 23, n/a-n/a  A New Constraint of Strain Rate on the Rheological Structure of the Lithosphere. 2004, 47, 1158-1163  Genetic Algorithm-Finite Element Inversion of Drag Forces Produced by the Lower Crust Flow to	74 59 1
1434 1433 1432 1431	Origin and emplacement of the impact formations at Chicxulub, Mexico, as revealed by the ICDP deep drilling at Yaxcopoil-1 and by numerical modeling. 2004, 39, 1035-1067  Upward delamination of Cascadia Basin sediment infill with landward frontal accretion thrusting caused by rapid glacial age material flux. 2004, 23, n/a-n/a  A New Constraint of Strain Rate on the Rheological Structure of the Lithosphere. 2004, 47, 1158-1163  Genetic Algorithm-Finite Element Inversion of Drag Forces Produced by the Lower Crust Flow to the Upper Crust in Sichuan-Yunnan Area. 2004, 47, 258-267	74 59 1
1434 1433 1432 1431 1430	Origin and emplacement of the impact formations at Chicxulub, Mexico, as revealed by the ICDP deep drilling at Yaxcopoil-1 and by numerical modeling. 2004, 39, 1035-1067  Upward delamination of Cascadia Basin sediment infill with landward frontal accretion thrusting caused by rapid glacial age material flux. 2004, 23, n/a-n/a  A New Constraint of Strain Rate on the Rheological Structure of the Lithosphere. 2004, 47, 1158-1163  Genetic Algorithm-Finite Element Inversion of Drag Forces Produced by the Lower Crust Flow to the Upper Crust in Sichuan-Yunnan Area. 2004, 47, 258-267  The 1999 Taiwan Earthquake: A Proposed Stress-Focusing, Heel-Shaped Model. 2004, 91, 1053-1061  The Dead Sea Transform: Evidence for a Strong Fault?. 2004, 112, 561-575	74 59 1 6

1426	Asperity Model of an Earthquake: Dynamic Problem. <b>2005</b> , 95, 75-108	5
1425	Size-scale effects on the friction coefficient. <b>2005</b> , 42, 2901-2910	39
1424	Strength of fracture zones from their bathymetric and gravitational evolution. 2005, 110,	23
1423	Estimate of differential stress in the upper crust from variations in topography and strike along the San Andreas fault. <b>2005</b> , 160, 527-532	36
1422	The dynamics of subduction and trench migration for viscosity stratification. <b>2005</b> , 160, 761-775	102
1421	Hydromechanical coupling in response to earthquakes: on the possible consequences for aftershocks. <b>2005</b> , 161, 113-129	20
1420	The plume head-continental lithosphere interaction using a tectonically realistic formulation for the lithosphere. <b>2005</b> , 161, 469-490	107
1419	Three-dimensional rheological structure of the lithosphere in the Ordos block and its adjacent area. <b>2005</b> , 163, 339-356	25
1418	Stress and crustal anisotropy in Marlborough, New Zealand: evidence for low fault strength and structure-controlled anisotropy. <b>2005</b> , 163, 1073-1086	89
1417	Three-dimensional deformation caused by the Bam, Iran, earthquake and the origin of shallow slip deficit. <b>2005</b> , 435, 295-9	332
1416	The controlling effect of viscous dissipation on magma flow in silicic conduits. <b>2005</b> , 143, 17-28	42
1415	Thermo-mechanical evolution and rheology of the northern sector of the TyrrhenianApennines system. <b>2005</b> , 148, 20-30	11
1414	Sandbox experiments on basin inversion: testing the influence of basin orientation and basin fill. <b>2005</b> , 27, 433-445	72
1413	Quantification of neotectonic stress orientations and magnitudes from field observations in Finnmark, northern Norway. <b>2005</b> , 27, 859-870	10
1412	Folding by cataclastic flow: evolution of controlling factors during deformation. <b>2005</b> , 27, 2181-2203	26
1411	Evolution and structure of the Upper Rhine Graben: insights from three-dimensional thermomechanical modelling. <b>2005</b> , 94, 732-750	34
1410	An overview on shallow strong earthquake activity and earthquake live losses of Chinese mainland in the centenary from 1901 to 2001. <b>2005</b> , 18, 392-401	4
1409	Study on in-situ stress measurement around coastal marginal land in Fujian. <b>2005</b> , 18, 544-551	5

# (2005-2005)

1408	Thermal-rheological structure of the lithosphere beneath Jiyang Depression: Its implications for geodynamics. <b>2005</b> , 48, 1569-1584	9
1407	Prediction of slope instabilities due to deep-seated gravitational creep. <b>2005</b> , 5, 155-172	48
1406	Predicting and Monitoring Geomechanical Effects of CO2 Injection. 2005, 751-766	3
1405	Coupled hydromechanical effects of CO2 injection. <b>2005</b> , 52, 649-679	9
1404	The role of the East Asian active margin in widespread extensional and strike-slip deformation in East Asia. <b>2005</b> , 162, 959-972	102
1403	In situ stresses of the West Tuna area, Gippsland Basin. <b>2005</b> , 52, 299-313	16
1402	Stress-strain rate history of a midcrustal shear zone and the onset of brittle deformation inferred from quartz recrystallized grain size. <b>2005</b> , 243, 127-142	17
1401	Mud Volcanoes, Geodynamics and Seismicity. 2005,	16
1400	Effects of bedding and foliation on mechanical anisotropy, damage evolution and failure mode. <b>2005</b> , 245, 223-249	30
1399	Influence of phyllosilicates on fault strength in the brittle-ductile transition: insights from rock analogue experiments. <b>2005</b> , 245, 303-327	76
1398	Physical Properties of Muds Extruded from Mud Volcanoes: Implications for Episodicity of Eruptions and Relationship to Seismicity. <b>2005</b> , 263-283	5
1397	The Mechanics of Pseudotachylite Formation in Impact Events. <b>2005</b> , 55-80	24
1396	Rifting above a mantle plume: structure and development of the Iceland Plateau. <b>2005</b> , 18, 59-80	16
1395	Fault analysis and paleostress evolution in large strain regions: methodological and geological discussion of the southeastern Himalayan fold-and-thrust belt in Pakistan. <b>2005</b> , 24, 445-467	38
1394	Dynamics of continental rift propagation: the end-member modes. <b>2005</b> , 229, 247-258	59
1393	Subduction-related intermediate-depth and deep seismicity in Italy: insights from thermal and rheological modelling. <b>2005</b> , 149, 65-79	32
1392	A case for hot slab surface temperatures in numerical viscous flow models of subduction zones with an improved fault zone parameterization. <b>2005</b> , 149, 155-164	61
1391	Numerical simulations of subduction zones: Effect of slab dehydration on the mantle wedge dynamics. <b>2005</b> , 149, 133-153	355

1390	Thermo-mechanical model of the mantle wedge in Central Mexican subduction zone and a blob tracing approach for the magma transport. <b>2005</b> , 149, 165-186	46
1389	Can pseudotachylytes be used to infer earthquake source parameters? An example of limitations in the study of exhumed faults. <b>2005</b> , 402, 3-20	115
1388	Interaction between the Nazca and South American plates and formation of the Altiplano Puna plateau: Review of a flexural analysis along the Andean margin (15°B4°S). 2005, 399, 39-57	79
1387	The Central Southern Alps (N. Italy) paleoseismic zone: a comparison between field observations and predictions of fault mechanics. <b>2005</b> , 401, 179-197	10
1386	A general framework for the occurrence and faulting of deformation bands in porous granular rocks. <b>2005</b> , 411, 1-18	113
1385	Role of weak zone orientation in continental lithosphere extension. <b>2005</b> , 32,	49
1384	Permeability creation and damage due to massive fluid injections into granite at 3.5 km at Soultz: 2. Critical stress and fracture strength. <b>2005</b> , 110,	31
1383	Growth of molten zone as a mechanism of slip weakening of simulated faults in gabbro during frictional melting. <b>2005</b> , 110,	<b>26</b> 0
1382	Discrete element simulations of gravitational volcanic deformation: 1. Deformation structures and geometries. <b>2005</b> , 110,	33
1381	Discrete element simulations of gravitational volcanic deformation: 2. Mechanical analysis. <b>2005</b> , 110,	16
1380	Dehydration-induced weakening and fault slip in gypsum: Implications for the faulting process at intermediate depth in subduction zones. <b>2005</b> , 110,	26
1379	Active faulting in the Walker Lane. <b>2005</b> , 24, n/a-n/a	97
1378	High heat flux on ancient Mars: Evidence from rift flank uplift at Coracis Fossae. 2005, 32,	50
1377	Late crustal growth on Mars: Evidence from lithospheric extension. <b>2005</b> , 32,	15
1376	Fusion by earthquake fault friction: Stick or slip?. <b>2005</b> , 110,	85
1375	Source Scaling Relationships of Microearthquakes at Parkfield, CA, Determined Using the SAFOD Pilot Hole Seismic Array. <b>2006</b> , 81-90	88
1374	Relating High-Velocity Rock-Friction Experiments to Coseismic Slip in the Presence of Melts. <b>2006</b> , 121-134	18
1373	Inferring Earthquake Source Properties from Laboratory Observations and the Scope of Lab Contributions to Source Physics. <b>2006</b> , 99-119	13

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1372	Quantitative Characterization of Permeability Reduction Associated with Compactive Cataclastic Flow. <b>2006</b> , 143-151	4
1371	The Habitat of Fault-Generated Pseudotachylyte: Presence vs. Absence of Friction-Melt. <b>2006</b> , 153-166	73
1370	What Do Faults Feel? Observational Constraints on the Stresses Acting On Seismogenic Faults. <b>2006</b> , 313-327	35
1369	The Strength of the San Andreas Fault: A Critical Analysis. <b>2006</b> , 301-311	16
1368	Anisotropic viscous models of large-deformation Mohrtoulomb failure. 2006, 86, 3287-3305	29
1367	The formation of fluidized ejecta on Mars by granular flows. <b>2006</b> , 41, 1551-1569	36
1366	Influence of trench width on subduction hinge retreat rates in 3-D models of slab rollback. 2006, 7, n/a-n/a	248
1365	Influence of water fugacity and activation volume on the flow properties of fine-grained anorthite aggregates. <b>2006</b> , 111, n/a-n/a	122
1364	Hydromechanics of a high taper angle, low-permeability prism: A case study from Peru. 2006, 111,	17
1363	Frictional strength heterogeneity and surface heat flow: Implications for the strength of the creeping San Andreas fault. <b>2006</b> , 111, n/a-n/a	19
1362	Patterns of stress and strain rate in southern Africa. <b>2006</b> , 111,	53
1361	Bending-like behavior of thin wedge-shaped elastic fault blocks. <b>2006</b> , 111, n/a-n/a	8
1360	Energy release and heat generation during the 1999 Ms7.6 Chi-Chi, Taiwan, earthquake. <b>2006</b> , 111, n/a-n/a	10
1359	The frictional and micromechanical effects of grain comminution in fault gouge from distinct element simulations. <b>2006</b> , 111, n/a-n/a	31
1358	Elastoviscoplastic relaxation of impact crater topography with application to Ganymede and Callisto. <b>2006</b> , 111,	47
1357	Viscoelastic evolution of lunar multiring basins. <b>2006</b> , 111, n/a-n/a	21
1356	Extension of thickened and hot lithospheres: Inferences from laboratory modeling. 2006, 25, n/a-n/a	36
1355	Heat signature on the Chelungpu fault associated with the 1999 Chi-Chi, Taiwan earthquake. <b>2006</b> , 33,	110

1354	Moisture-related weakening and strengthening of a fault activated at seismic slip rates. 2006, 33,	35
1353	Plate force due to bending at subduction zones. <b>2006</b> , 111,	57
1352	Oblique Convergence along the Chilean Margin: Partitioning, Margin-Parallel Faulting and Force Interaction at the Plate Interface. <b>2006</b> , 125-146	28
1351	Off-fault aftershocks of the 2005 West Off Fukuoka Prefecture Earthquake: Reactivation of a structural boundary?. <b>2006</b> , 58, 81-86	9
1350	Use of vegetable oil and silica powder for scale modelling of magmatic intrusion in a deforming brittle crust. <b>2006</b> , 243, 786-804	94
1349	The rift to drift transition at non-volcanic margins: Insights from numerical modelling. <b>2006</b> , 244, 458-473	90
1348	A rheological weak zone intensified by post-rift thermal relaxation as a possible origin of simple shear deformation associated with reactivation of rifting. <b>2006</b> , 248, 134-146	9
1347	New insights into the development of brittle shear fractures from a 3-D numerical model of microcrack interaction. <b>2006</b> , 249, 14-28	38
1346	Variations of strength and localized deformation in cratons: The 1.9 Ga Kapuskasing uplift, Superior Province, Canada. <b>2006</b> , 249, 216-228	18
1345	Progressive fault triggering and fluid flow in aftershock domains: Examples from mineralized Archaean fault systems. <b>2006</b> , 250, 318-330	58
1344	The 1994\(\textit{1004}\) Al Hoceima (Morocco) earthquake sequence: Conjugate fault ruptures deduced from InSAR. <b>2006</b> , 252, 467-480	46
1343	Implications of a visco-elastic model of the lithosphere for calculating yield strength envelopes. <b>2006</b> , 42, 12-27	8
1342	Did hot, high heat-producing granites determine the location of the Oslo Rift?. <b>2006</b> , 412, 105-119	9
1341	Stress and strain during fault-controlled lithospheric extensionIhsights from numerical experiments. <b>2006</b> , 415, 39-55	9
1340	Seismic lamination and anisotropy of the Lower Continental Crust. <b>2006</b> , 416, 81-99	85
1339	Stratigraphic architecture of sedimentary basin induced by mantle diapiric upwelling and eustatic event. <b>2006</b> , 415, 103-121	10
1338	Physics of the Omori law: Inferences from interevent time distributions and pore pressure diffusion modeling. <b>2006</b> , 424, 209-222	9
1337	Elastic and inelastic triggering of earthquakes in the North Anatolian Fault zone. <b>2006</b> , 424, 271-289	42

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1336	Velocity dependence of strength and healing behaviour in simulated phyllosilicate-bearing fault gouge. <b>2006</b> , 427, 231-253	130
1335	Strength and stability of frictional sliding of gabbro gouge at elevated temperatures. <b>2006</b> , 427, 217-229	35
1334	INFLUENCE OF FAULT MECHANISM, DEPTH, AND REGION ON STRESS DROPS OF SMALL AND MODERATE EARTHQUAKES IN JAPAN. <b>2006</b> , 23, 125s-134s	7
1333	Rock Control of Faulting: A Case Study from the Icelandic Rift Zone. <b>2006</b> , 114, 449-470	3
1332	Dynamics of the Salton block: Absolute fault strength and crust-mantle coupling in Southern California. <b>2006</b> , 34, 261	15
1331	Tectonics of the Taranaki region, New Zealand: Earthquake focal mechanisms and stress axes. <b>2006</b> , 49, 269-279	19
1330	Frictional strength of cuttings and core from SAFOD drillhole phases 1 and 2. <b>2006</b> , 33,	40
1329	Geometric and experimental models of extensional fault-bend folds. <b>2006</b> , 253, 285-305	15
1328	Fault slip and Coulomb stress variations around a pressured magma reservoir: consequences on seismicity and magma intrusion. <b>2006</b> , 18, 403-411	8
1327	The Zagros folded belt (Fars, Iran): constraints from topography and critical wedge modelling. <b>2006</b> , 165, 336-356	115
1326	Mechanical modelling of oblique convergence in the Zagros, Iran. <b>2006</b> , 165, 991-1002	63
1325	Simplified models of the Alpine Fault seismic cycle: stress transfer in the mid-crust. <b>2006</b> , 166, 386-402	50
1324	Interpretation of subhorizontal crustal reflections by metamorphic and rheologic effects in the eastern part of the Pannonian Basin. <b>2006</b> , 167, 187-203	7
1323	Slip on 'weak' faults by the rotation of regional stress in the fracture damage zone. <b>2006</b> , 444, 922-5	302
1322	A new model for analyzing the effect of fractures on triaxial deformation. <b>2006</b> , 43, 1241-1255	7
1321	A numerical sandbox: high-resolution distinct element models of halfgraben formation. <b>2006</b> , 95, 189-203	15
1320	Strength of the lithosphere of the Galilean satellites. <b>2006</b> , 183, 159-167	7
1319	Volcanotectonic interactions between Mauna Loa and Kilauea: Insights from 2-D discrete element simulations. <b>2006</b> , 151, 109-131	16

1318	Structural controls of volcanism in transversal chains: Resheared faults and neotectonics in the Cordii Caulle Puyehue area (40.5°S), Southern Andes. <b>2006</b> , 158, 70-86	78
1317	Sandbox experiments on gravitational spreading and gliding in the presence of fluid overpressures. <b>2006</b> , 28, 887-901	58
1316	Weakening of deforming granitic rocks with layer development at middle crust. <b>2006</b> , 28, 919-928	21
1315	Favoured states of palaeostress in the Earth's crust: evidence from fault-slip data. <b>2006</b> , 28, 1051-1066	58
1314	Calcite e-twins as markers of recent tectonics: insights from Quaternary karstic deposits from SE Spain. <b>2006</b> , 28, 1084-1092	9
1313	Mechanical behaviour of granular materials used in analogue modelling: insights from grain characterisation, ring-shear tests and analogue experiments. <b>2006</b> , 28, 1710-1724	102
1312	Experimental deformation of muscovite shear zones at high temperatures under hydrothermal conditions and the strength of phyllosilicate-bearing faults in nature. <b>2006</b> , 28, 1569-1587	70
1311	Shallow crustal fault rocks from the Black Mountain detachments, Death Valley, CA. <b>2006</b> , 28, 1767-1784	42
1310	Basin inversion and fault reactivation in laboratory experiments. <b>2006</b> , 28, 2067-2083	69
1309	Evidence for rainfall-triggered earthquake activity. <b>2006</b> , 33,	133
	Evidence for rainfall-triggered earthquake activity. <b>2006</b> , 33,  Evolution of the Upper Crustal Deformation in Subduction Zones. <b>2006</b> , 73, 984-994	133
1308		
1308	Evolution of the Upper Crustal Deformation in Subduction Zones. <b>2006</b> , 73, 984-994	6
1308 1307 1306	Evolution of the Upper Crustal Deformation in Subduction Zones. <b>2006</b> , 73, 984-994  The role of magma in the development of the Afro-Arabian Rift System. <b>2006</b> , 259, 43-54	6 8 <sub>7</sub>
1308 1307 1306	Evolution of the Upper Crustal Deformation in Subduction Zones. 2006, 73, 984-994  The role of magma in the development of the Afro-Arabian Rift System. 2006, 259, 43-54  Natural and experimental evidence of melt lubrication of faults during earthquakes. 2006, 311, 647-9	6 87 293
1308 1307 1306	Evolution of the Upper Crustal Deformation in Subduction Zones. 2006, 73, 984-994  The role of magma in the development of the Afro-Arabian Rift System. 2006, 259, 43-54  Natural and experimental evidence of melt lubrication of faults during earthquakes. 2006, 311, 647-9  Lower crustal rheological expression in inverted basins. 2006, 253, 271-283  Influence of erosion on the kinematics of bivergent orogens: Results from scaled sandbox	6 87 293 3
1308 1307 1306 1305	Evolution of the Upper Crustal Deformation in Subduction Zones. 2006, 73, 984-994  The role of magma in the development of the Afro-Arabian Rift System. 2006, 259, 43-54  Natural and experimental evidence of melt lubrication of faults during earthquakes. 2006, 311, 647-9  Lower crustal rheological expression in inverted basins. 2006, 253, 271-283  Influence of erosion on the kinematics of bivergent orogens: Results from scaled sandbox simulations. 2006,	6 87 293 3 20

1300	Effect of rolling on dissipation in fault gouges. <b>2006</b> , 74, 031306	101
1299	Deformation transfer in viscous detachments: comparison of sandbox models to the South Pyrenean Triangle Zone. <b>2006</b> , 253, 117-134	10
1298	Dynamic Triggering. <b>2007</b> , 257-291	58
1297	Comprehensive Overview. <b>2007</b> , 1-58	
1296	Friction of Rock at Earthquake Slip Rates. <b>2007</b> , 131-152	12
1295	Applications of Rate- and State-Dependent Friction to Models of Fault Slip and Earthquake Occurrence. <b>2007</b> , 107-129	29
1294	Popup field in Lake Ontario south of Toronto, Canada: Indicators of late glacial and postglacial strain. <b>2007</b> ,	1
1293	The effect of tilting on fault propagation and network development in sandstone⊠hale sequences: a case study from the Lod⊠e Basin, southern France. <b>2007</b> , 164, 599-608	17
1292	Geophysics. Slippery when hot. <b>2007</b> , 316, 842-3	4
1291	Lithosphere Stress and Deformation. <b>2007</b> , 255-271	2
1290	Applications of Rate- and State-Dependent Friction to Models of Fault-Slip and Earthquake Occurrence. <b>2007</b> , 93-110	16
1289	The Role of Fault-Zone Drilling. <b>2007</b> , 161-181	
1288	Fault Mechanics. <b>2007</b> , 433-468	1
1287	The role of gravitational instabilities, density structure and extension rate in the evolution of continental margins. <b>2007</b> , 282, 139-156	15
1286	Determination of fault friction from reactivation of abyssal-hill faults in subduction zones. <b>2007</b> , 35, 819	29
1285	Research Focus: Significance of large-displacement, low-angle normal faults. <b>2007</b> , 35, 287	38
1284	Using geological information to optimize fracture stimulation practices in the Cooper Basin, Australia. <b>2007</b> , 13, 3-16	14
1283	Numerical Simulation of the Recent Crust Movement and Fault Activities in Tibetan Plateau. <b>2007</b> , 50, 148-157	2

1282	Acheron Fossae, Mars: Tectonic rifting, volcanism, and implications for lithospheric thickness. <b>2007</b> , 112,	33
1281	Reconstruction of seismic faulting by high-velocity friction experiments: An example of the 1995 Kobe earthquake. <b>2007</b> , 34,	113
1280	Effect of brittle fracture on the rheological structure of the lithosphere and its application in the Ordos. <b>2007</b> , 429, 267-285	14
1279	Coseismic reactivation of the Samambaia fault, Brazil. <b>2007</b> , 430, 27-39	48
1278	Plume head[Ithosphere interactions near intra-continental plate boundaries. 2007, 434, 15-38	111
1277	Simulating coseismic deformation of quartz in the middle crust and fabric evolution during postseismic stress relaxation [An experimental study. <b>2007</b> , 442, 83-104	72
1276	Strain localisation in the subcontinental mantle 🗈 ductile alternative to the brittle mantle. <b>2007</b> , 445, 318-336	94
1275	Frictional sliding of gabbro gouge under hydrothermal conditions. <b>2007</b> , 445, 353-362	97
1274	Depth dependent strength of the fault gouge at the Atotsugawa fault, central Japan: A possible mechanism for its creeping motion. <b>2007</b> , 161, 115-125	4
1273	Magma flow instabilities in a volcanic conduit: Implications for long-period seismicity. <b>2007</b> , 163, 163-178	10
1272	The transition from diffuse to focused extension: Modeled evolution of the West Antarctic Rift system. <b>2007</b> , 255, 133-147	51
1271	A slip tendency analysis to test mechanical and structural control on aftershock rupture planes. <b>2007</b> , 255, 402-413	50
1270	Transition of accretionary wedge structures around the up-dip limit of the seismogenic subduction zone. <b>2007</b> , 255, 471-484	103
1269	An episode of fault-valve behaviour during compressional inversion? IThe 2004 MJ6.8 Mid-Niigata Prefecture, Japan, earthquake sequence. <b>2007</b> , 257, 188-199	98
1268	Limits on rock strength under high confinement. <b>2007</b> , 258, 307-314	15
1267	Surface processes and tectonics: Forcing of continental subduction and deep processes. <b>2007</b> , 58, 141-164	38
1266	Late Tertiary tectonic evolution of northern Iran: A case for simple crustal folding. 2007, 58, 435-453	60
1265	Critically Stressed Fracture Analysis in Naturally Fractured Carbonate Reservoir - A Case Study in West Kuwait. <b>2007</b> ,	5

1264	Formation of the double rift system in the Thaumasia Highlands, Mars. <b>2007</b> , 112,	8
1263	Seismogenic, Electrically Conductive, and Fluid Zones at Continental Plate Boundaries in New Zealand, Himalaya, and California, USA. <b>2007</b> , 347-369	16
1262	Thermal Models Beneath Kamchatka and the Pacific Plate Rejuvenation from a Mantle Plume Impact. <b>2007</b> , 77-89	5
1261	Tectonic and Thermal Evolution of Venus and the Role of Volatiles: Implications for Understanding the Terrestrial Planets. <b>2007</b> , 45-71	15
1260	Seismic slip record in carbonate-bearing fault zones: An insight from high-velocity friction experiments on siderite gouge. <b>2007</b> , 35, 1131	87
1259	Comparative Deformation Behavior of Minerals in Serpentinized Ultramafic Rock: Application to the Slab-Mantle Interface in Subduction Zones. <b>2007</b> , 49, 401-415	63
1258	Dynamical modeling of trench retreat driven by the slab interaction with the mantle transition zone. <b>2007</b> , 59, 65-74	44
1257	Significance of strain localization in the lower crust for structural evolution and thermal history of metamorphic core complexes. <b>2007</b> , 26, n/a-n/a	40
1256	Outer rise stress changes related to the subduction of the Juan Fernandez Ridge, central Chile. <b>2007</b> , 112,	16
1255	Estimation of the stress field in the region of the 2000 Western Tottori Earthquake: Using numerous aftershock focal mechanisms. <b>2007</b> , 112,	15
1254	Frictional properties of natural fault gouge from a low-angle normal fault, Panamint Valley, California. <b>2007</b> , 26, n/a-n/a	86
1253	Olivine friction at the base of oceanic seismogenic zones. <b>2007</b> , 112,	108
1252	Frontal accretion: An internal clock for bivergent wedge deformation and surface uplift. 2007, 112,	51
1251	Effect of predeformational basin geometry in the kinematic evolution of a thin-skinned orogenic wedge: Insights from three-dimensional finite element modeling of the Provo salient, Sevier fold-thrust belt, Utah. <b>2007</b> , 112,	8
1250	Burial and exhumation in a subduction wedge: Mutual constraints from thermomechanical modeling and natural P-T-t data (Schistes Lustrs, western Alps). <b>2007</b> , 112,	132
1249	Thermal cracking and the deep hydration of oceanic lithosphere: A key to the generation of plate tectonics?. <b>2007</b> , 112,	101
1248	Effect of hydration state on the frictional properties of montmorillonite-based fault gouge. <b>2007</b> , 112,	130
1247	Modulation of the earthquake cycle at the southern San Andreas fault by lake loading. <b>2007</b> , 112,	24

1246	Integrating laboratory creep compaction data with numerical fault models: A Bayesian framework. <b>2007</b> , 112,	14
1245	Dynamics of continental deformation in Asia. <b>2007</b> , 112,	56
1244	Extreme dynamic weakening of faults during dehydration by coseismic shear heating. 2007, 34,	119
1243	Effect of melt squeezing rate on shear stress along a simulated fault in gabbro during frictional melting. <b>2007</b> , 34,	5
1242	A microphysical model for strong velocity weakening in phyllosilicate-bearing fault gouges. <b>2007</b> , 112,	128
1241	Architecture and mechanics of an active low-angle normal fault: Alto Tiberina Fault, northern Apennines, Italy. <b>2007</b> , 112,	88
1240	The Role of Fault Zone Drilling. <b>2007</b> , 649-674	12
1239	Plate Rheology and Mechanics. <b>2007</b> , 99-151	7
1238	Lithosphere Stress and Deformation. <b>2007</b> , 253-273	7
1237	Dynamic Processes in Extensional and Compressional Settings: The Dynamics of Continental Breakup and Extension. <b>2007</b> , 335-376	6
1236	Fault Mechanics. <b>2007</b> , 441-483	4
1235	Dynamic Processes in Extensional and Compressional Settings [Mountain Building: From Earthquakes to Geological Deformation. <b>2007</b> , 377-439	23
1234	Fracture and Frictional Mechanics I Theory. <b>2007</b> , 83-106	6
1233	11. Friction of the Smectite Clay Montmorillonite. <b>2007</b> , 317-345	70
1232	13. Laboratory-Observed Faulting in Intrinsically and Apparently Weak Materials. 2007, 370-449	19
1231	Controls on the Karahallelaga Bodas geothermal reservoir, Indonesia. <b>2007</b> , 36, 9-46	20
1230	Mechanical modeling of thrust faults in the Thaumasia region, Mars, and implications for the Noachian heat flux. <b>2007</b> , 186, 517-526	60
1229	How close to failure is a granite rock mass at a 5km depth?. <b>2007</b> , 44, 47-66	112

1228	Relationship between fracture and friction for brittle rocks. <b>2007</b> , 39, 291-301		14
1227	Numerical comparison of different convergent plate contacts: subduction channel and subduction fault. <b>2007</b> , 171, 435-450		30
1226	Stress accumulation between volcanoes: an explanation for intra-arc earthquakes in Nicaragua?. <b>2007</b> , 169, 1132-1138		22
1225	Horizontal movements in the eastern Barents Sea constrained by numerical models and plate reconstructions. <b>2007</b> , 171, 1376-1389		22
1224	Seepage forces, important factors in the formation of horizontal hydraulic fractures and bedding-parallel fibrous veins (?beef? and ?cone-in-cone?). <b>2007</b> , 7, 313-322		112
1223	Fundamentals of Structural Geology, David D. Pollard, Raymond C. Fletcher, Cambridge University Press, New York (2005), 500pp., price US\$ 85 hardback, ISBN: 0521839270. <b>2007</b> , 33, 1202-1203		
1222	Estimating maximum sustainable injection pressure during geological sequestration of CO2 using coupled fluid flow and geomechanical fault-slip analysis. <b>2007</b> , 48, 1798-1807		324
1221	Episodic construction of batholiths: Insights from the spatiotemporal development of an ignimbrite flare-up. <b>2007</b> , 167, 320-335		223
1220	Comparison of paleostress magnitudes from calcite twins with contemporary stress magnitudes and frictional sliding criteria in the continental crust: Mechanical implications. <b>2007</b> , 29, 86-99		61
1219	Hydraulic connection and fluid overpressure in upper crustal rocks: Evidence from the geometry and spatial distribution of veins at Botrona quarry, southern Tuscany, Italy. <b>2007</b> , 29, 1386-1399		20
1218	Reaction weakening and emplacement of crystalline thrusts: Diffusion control on reaction rate and strain rate. <b>2007</b> , 29, 1301-1314		17
1217	A mechanical model for complex fault patterns induced by evaporite dehydration and cyclic changes in fluid pressure. <b>2007</b> , 29, 1573-1584		51
1216	The Role of History-Dependent Rheology in Plate Boundary Lubrication for Generating One-Sided Subduction. <i>Pure and Applied Geophysics</i> , <b>2007</b> , 164, 879-907	2.2	25
1215	The relationship between closure pressures from fluid injection tests and the minimum principal stress in strong rocks. <b>2007</b> , 44, 787-801		36
1214	How hard were the Jura mountains pushed?. <b>2008</b> , 101, 305-310		9
1213	Strain localization due to structural in-homogeneities in the Central European Basin System. <b>2008</b> , 97, 899-913		6
1212	Fault kinematics and tectonic stress in the seismically active Manyara <b>D</b> odoma Rift segment in Central Tanzania Implications for the East African Rift. <b>2008</b> , 51, 163-188		39
1211	Slip weakening in rocks and analog materials at co-seismic slip rates. <b>2008</b> , 56, 542-560		25

<b>12</b> 10	Use of a modified torsional Kolsky bar to study frictional slip resistance in rock-analog materials at coseismic slip rates. <b>2008</b> , 45, 4247-4263	28
1209	The evolution of the martian elastic lithosphere and implications for crustal and mantle rheology. <b>2008</b> , 193, 503-515	71
1208	Tidally driven stress accumulation and shear failure of Enceladus's tiger stripes. 2008, 198, 435-451	66
1207	Assessing the economic feasibility of regional deep saline aquifer CO2 injection and storage: A geomechanics-based workflow applied to the Rose Run sandstone in Eastern Ohio, USA. <b>2008</b> , 2, 230-247	34
1206	Frictionless shear at great depth and other paradoxes of hard rocks. 2008, 45, 316-328	30
1205	Consolidation settlements above deep tunnels in fractured crystalline rock: Part 2Numerical analysis of the Gotthard highway tunnel case study. <b>2008</b> , 45, 1211-1225	28
1204	Origin of the sheeted dike complex at superfast spread East Pacific Rise revealed by deep ocean crust drilling at Ocean Drilling Program Hole 1256D. <b>2008</b> , 9, n/a-n/a	16
1203	Possible mechanism of horizontal compression stress generation in the Earth crust. 2008, 423, 1448-1451	7
1202	Analysis of faults stability with dynamic phenomena in the mine based on slide criterion and in-situ stress measurement. <b>2008</b> , 14, 640-643	
1201	ESR and ICP analyses of the DPRI 500 m drill core samples penetrating through the Nojima Fault, Japan. <b>2008</b> , 10, 465-478	
1200	Geological and geophysical studies of the Nojima Fault from drilling: An outline of the Nojima Fault Zone Probe. <b>2008</b> , 10, 206-214	6
1199	Persistent earthquake clusters and gaps from slip on irregular faults. <b>2008</b> , 1, 59-63	23
1198	Seismicity changes related to a water injection experiment in the Nojima Fault Zone. 2008, 10, 235-243	
1197	Stresses at sites close to the Nojima Fault measured from core samples. <b>2008</b> , 10, 266-281	2
1196	ESR analysis of the Nojima fault gouge, Japan, from the DPRI 500 m borehole. 2008, 10, 479-485	1
1195	Numerical modelling study on the flexural uplift of the Transantarctic Mountains. 2008, 174, 377-390	12
1194	Dynamics of continental collision: influence of the plate contact. <b>2008</b> , 174, 1101-1120	32
1193	The analogue shear zone: From rheology to associated geometry. <b>2008</b> , 30, 177-193	30

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1192	Oblique half-graben inversion of the Mesozoic Neuquh Rift in the Malarg Fold and Thrust Belt, Mendoza, Argentina: New insights from analogue models. <b>2008</b> , 30, 839-853	50
1191	Thin pseudotachylytes in faults of the Mt. Abbot quadrangle, Sierra Nevada: Physical constraints for small seismic slip events. <b>2008</b> , 30, 1086-1094	38
1190	Mechanical models of fracture reactivation and slip on bedding surfaces during folding of the asymmetric anticline at Sheep Mountain, Wyoming. <b>2008</b> , 30, 1177-1191	57
1189	Folding kinematics expressed in fracture patterns: An example from the Anti-Atlas fold belt, Morocco. <b>2008</b> , 30, 1396-1404	16
1188	Tectonic pressure: Theoretical concepts and modelled examples. 2008, 103, 149-177	121
1187	Continental plate collision, PIIEI conditions and unstable vs. stable plate dynamics: Insights from thermo-mechanical modelling. <b>2008</b> , 103, 178-204	98
1186	Rheology of the Lower Crust and Upper Mantle: Evidence from Rock Mechanics, Geodesy, and Field Observations. <b>2008</b> , 36, 531-567	681
1185	Contributions toGotechnique19480008: Engineering geology, rock mechanics and rock engineering. <b>2008</b> , 58, 449-455	3
1184	Dynamics and structural development of metamorphic core complexes. 2008, 113,	107
1183	Strength, porosity, and permeability development during hydrostatic and shear loading of synthetic quartz-clay fault gouge. <b>2008</b> , 113,	150
1182	Back-arc strain in subduction zones: Statistical observations versus numerical modeling. 2008, 9, n/a-n/a	42
1181	Optimally oriented fault-valvelthrusts: Evidence for aftershock-related fluid pressure pulses?. <b>2008</b> , 9, n/a-n/a	10
1180	Constitutive relationships and physical basis of fault strength due to flash heating. 2008, 113,	179
1179	Conditions for a crustal block to be sheared off from the subducted continental lithosphere: What is an essential factor to cause features associated with collision?. <b>2008</b> , 113,	21
1178	Magma dynamics and collapse mechanisms during four historic caldera-forming events. 2008, 113,	43
1177	Plagioclase preferred orientation in layered mylonites: Evaluation of flow laws for the lower crust. <b>2008</b> , 113,	111
1176	Dissipation analysis as a guide to mode selection during crustal extension and implications for the styles of sedimentary basins. <b>2008</b> , 113,	39
1175	Gravity influenced brittle-ductile deformation and growth faulting in the lithosphere during collision: Results from laboratory experiments. <b>2008</b> , 113,	12

1174	Seeking Anderson's faulting in seismicity: A centennial celebration. <b>2008</b> , 46,	29
1173	Geologic, structural, and thermochronologic constraints on the tectonic evolution of the Sierra Mazatfi core complex, Sonora, Mexico: New insights into metamorphic core complex formation. <b>2008</b> , 27, n/a-n/a	42
1172	Crustal rheology and seismicity in the Gibraltar Arc (western Mediterranean). 2008, 27, n/a-n/a	21
1171	Why is the Ligurian Basin (Mediterranean Sea) seismogenic? Thermomechanical modeling of a reactivated passive margin. <b>2008</b> , 27, n/a-n/a	19
1170	Motion on upper-plate faults during subduction zone earthquakes: Case of the Atacama Fault System, northern Chile. <b>2008</b> , 9, n/a-n/a	11
1169	Active faulting and heterogeneous deformation across a megathrust segment boundary from GPS data, south central Chile (36B9°S). <b>2008</b> , 9, n/a-n/a	35
1168	Determination of directions of horizontal principal stress and identification of active faults in Kachchh (India) by electromagnetic radiation (EMR). <b>2008</b> , 45, 234-245	31
1167	Generation and driving forces of plate-like motion and asymmetric subduction in dynamical models of an integrated mantlellthosphere system. <b>2008</b> , 166, 128-146	12
1166	Subduction initiation by thermal@hemical plumes: Numerical studies. 2008, 171, 296-312	112
1165	Earthquakes and strength in the laminated lower crust Can they be explained by the Corset model <b>2008</b> , 448, 49-59	10
1164	Strain localisation and weakening of the lithosphere during extension. <b>2008</b> , 458, 96-104	47
1163	Frictional strength of fault gouge in Taiwan Chelungpu fault obtained from TCDP Hole B. <b>2008</b> , 460, 198-205	15
1162	Continental rifting as a function of lithosphere mantle strength. <b>2008</b> , 460, 83-93	79
1161	Frictional behaviour of simulated quartz fault gouges under hydrothermal conditions: Results from ultra-high strain rotary shear experiments. <b>2008</b> , 460, 288-303	48
1160	Recent advances in the understanding of fault zone internal structure: a review. 2008, 299, 5-33	172
1159	Strength of the lithosphere and strain localisation in the Baikal rift. <b>2008</b> , 269, 523-529	12
1158	Analogue modelling of the interaction between tectonics, erosion and sedimentation in foreland thrust belts. <b>2008</b> , 340, 324-333	58
1157	A model for flash weakening by asperity melting during high-speed earthquake slip. <b>2008</b> , 113,	33

1156	Damage patterns, stress rotations and pore fluid pressures in strike-slip fault zones. <b>2008</b> , 113,	34
1155	Thermal and structural models of the Sumatra subduction zone: Implications for the megathrust seismogenic zone. <b>2008</b> , 113,	29
1154	Force chains in seismogenic faults visualized with photoelastic granular shear experiments. <b>2008</b> , 113,	95
1153	Forces acting on the Sierra Nevada block and implications for the strength of the San Andreas fault system and the dynamics of continental deformation in the western United States. <b>2008</b> , 113,	8
1152	Relative age of interior layered deposits in southwest Candor Chasma based on high-resolution structural mapping. <b>2008</b> , 113,	39
1151	Collective behavior of earthquakes and faults: Continuum-discrete transitions, progressive evolutionary changes, and different dynamic regimes. <b>2008</b> , 46,	304
1150	Impact crater formation in icy layered terrains on Mars. <b>2008</b> , 43, 1993-2013	101
1149	Lithosphere Effective Viscosity of Continental China. 2008, 15, 82-95	57
1148	Stress Estimation at the Otway CO2 Storage Site, Australia. 2008,	8
1147	Fault reactivation in the Port Campbell Embayment with respect to carbon dioxide sequestration, Otway Basin, Australia. <b>2008</b> , 306, 201-214	8
1146	Deep-crust strike-slip earthquake faulting in southern Italy aided by high fluid pressure: insights from rheological analysis. <b>2008</b> , 299, 195-210	6
1145	Paleomagnetic and structural evidence for oblique slip in a fault-related fold, Grayback monocline, Colorado. <b>2008</b> , 120, 877-892	5
1144	Quaternary sector collapses of Nevado de Toluca volcano (Mexico) governed by regional tectonics and volcanic evolution. <b>2008</b> , 4, 854	27
1143	Frictional-viscous flow, seismicity and the geology of weak faults: a review and future directions. <b>2008</b> , 299, 151-173	31
1142	Spatial Distribution of Earthquake Energy Release in the Central United States from a Global Point of View. <b>2008</b> , 79, 33-40	2
1141	Stress release in exhumed intermediate and deep earthquakes determined from ultramafic pseudotachylyte. <b>2008</b> , 36, 995	65
1140	The tectonics of Mercury. 15-80	10
1139	Strength and deformation of planetary lithospheres. 397-456	10

1138	Can footwall unloading explain late Cenozoic uplift of the Sierra Nevada crest?. 2009, 51, 986-993	7
1137	Sequential development of interfering metamorphic core complexes: numerical experiments and comparison with the Cyclades, Greece. <b>2009</b> , 311, 257-292	24
1136	Development of interconnected talc networks and weakening of continental low-angle normal faults. <b>2009</b> , 37, 567-570	98
1135	Thin anisotropic layer in the mantle wedge beneath northeast Japan. <b>2009</b> , 37, 211-214	24
1134	Predicting brittle cap-seal failure of petroleum traps: an application of 2D and 3D distinct element method. <b>2009</b> , 15, 75-89	3
1133	Visualizing stickElip: experimental observations of processes governing the nucleation of frictional sliding. <b>2009</b> , 42, 214016	38
1132	Coulombic faulting from the grain scale to the geophysical scale: lessons from ice. <b>2009</b> , 42, 214017	48
1131	Study of Earthquake Triggering in a Heterogeneous Crust Using a New Finite Element Model. <b>2009</b> , 80, 799-807	6
1130	Origin of fault domains and fault-domain boundaries (transfer zones and accommodation zones) in extensional provinces: Result of random nucleation and self-organized fault growth. <b>2009</b> , 31, 910-925	41
1129	The effect of fluid composition on the behavior of well cemented, quartz-rich sandstone during faulting. <b>2009</b> , 31, 960-971	6
1128	Comment on Btructural controls on a carbon dioxide-driven mud volcano field in the Northern Apennines (Pieve Santo Stefano, Italy): Relations with pre-existing steep discontinuities and seismicity [2009, 31, 853-856]	2
1127	Anisotropy, pore fluid pressure and low angle normal faults. <b>2009</b> , 31, 561-574	32
1126	Interpreting finite strain: Analysis of deformation in analog models. <b>2009</b> , 31, 654-661	10
1125	Slip tendency analysis, fault reactivation potential and induced seismicity in a deep geothermal reservoir. <b>2009</b> , 31, 1174-1182	143
1124	The effects of fault orientation and fluid infiltration on fault rock assemblages at seismogenic depths. <b>2009</b> , 31, 1511-1524	30
1123	Thermal evolution of cratonic roots. <b>2009</b> , 109, 47-60	72
1122	The stress regime in a Rotliegend reservoir of the Northeast German Basin. <b>2009</b> , 98, 1643-1654	60
1121	Determination of magnitude and orientation of the in-situ stress from borehole breakout and effect of pore pressure on borehole stability Case study in Cheshmeh Khush oil field of Iran. <b>2009</b> , 67, 116-126	31

1120	Formation of mountains on Io: Variable volcanism and thermal stresses. <b>2009</b> , 201, 598-614		24
1119	Slip tendency of Quaternary faults in southeast Korea under current state of stress. <b>2009</b> , 13, 353-361		6
1118	Spatio-temporal Slip, and Stress Level on the Faults within the Western Foothills of Taiwan: Implications for Fault Frictional Properties. <i>Pure and Applied Geophysics</i> , <b>2009</b> , 166, 1853-1884	2.2	39
1117	A 3-D viscoelastoplastic model for simulating long-term slip on non-planar faults. <b>2009</b> , 176, 293-306		42
1116	Taiwan mountain building: insights from 2-D thermomechanical modelling of a rheologically stratified lithosphere. <b>2009</b> , 176, 307-326		42
1115	Strength of the San Andreas Fault inferred from tectonic loading simulation and CMT data inversion. <b>2009</b> , 178, 1663-1676		9
1114	Seismicity in a model governed by competing frictional weakening and healing mechanisms. <b>2009</b> , 178, 1363-1383		7
1113	The brittle deformation regime of water-saturated siliceous sandstones. <b>2009</b> , 178, 1766-1778		26
1112	Controls of mantle plumes and lithospheric folding on modes of intraplate continental tectonics: differences and similarities. <b>2009</b> , 178, 1691-1722		86
1111	Fault zone fabric and fault weakness. <b>2009</b> , 462, 907-10		362
	Fault zone fabric and fault weakness. <b>2009</b> , 462, 907-10  Frictional resistance of faults during accelerating and decelerating earthquake slip. <b>2009</b> , 2, 705-708		362 81
1110	Frictional resistance of faults during accelerating and decelerating earthquake slip. <b>2009</b> , 2, 705-708  Assessing fault reactivation tendency within and surrounding porous reservoirs during fluid		81
1110 1109 1108	Frictional resistance of faults during accelerating and decelerating earthquake slip. <b>2009</b> , 2, 705-708  Assessing fault reactivation tendency within and surrounding porous reservoirs during fluid production or injection. <b>2009</b> , 46, 1-7		81
1110 1109 1108	Frictional resistance of faults during accelerating and decelerating earthquake slip. <b>2009</b> , 2, 705-708  Assessing fault reactivation tendency within and surrounding porous reservoirs during fluid production or injection. <b>2009</b> , 46, 1-7  Constraining the far-field in situ stress state near a deep South African gold mine. <b>2009</b> , 46, 555-567		81 37 27
1110 1109 1108	Frictional resistance of faults during accelerating and decelerating earthquake slip. <b>2009</b> , 2, 705-708  Assessing fault reactivation tendency within and surrounding porous reservoirs during fluid production or injection. <b>2009</b> , 46, 1-7  Constraining the far-field in situ stress state near a deep South African gold mine. <b>2009</b> , 46, 555-567  The role of rock fragmentation in the motion of large landslides. <b>2009</b> , 109, 67-79  3D geomechanical modelling for CO2 geologic storage in the Dogger carbonates of the Paris Basin.		81 37 27 148
1110 1109 1108 1107 1106	Assessing fault reactivation tendency within and surrounding porous reservoirs during fluid production or injection. 2009, 46, 1-7  Constraining the far-field in situ stress state near a deep South African gold mine. 2009, 46, 555-567  The role of rock fragmentation in the motion of large landslides. 2009, 109, 67-79  3D geomechanical modelling for CO2 geologic storage in the Dogger carbonates of the Paris Basin. 2009, 3, 288-299  Stress state of the Earth® crust of the Kuril Islands and Kamchatka before the Simushir earthquake. 2009, 3, 477-490		81 37 27 148 90

1102	Mechanical decoupling of high-pressure crustal units during continental subduction. 2009, 278, 13-25	15
1101	Transformation-induced jointing as a gauge for interfacial slip and rock strength. <b>2009</b> , 280, 159-166	16
1100	A seismic sequence from Northern Apennines (Italy) provides new insight on the role of fluids in the active tectonics of accretionary wedges. <b>2009</b> , 281, 99-109	21
1099	The strength of faults in the crust in the western United States. <b>2009</b> , 287, 373-384	13
1098	Dynamic fault weakening and the formation of large impact craters. <b>2009</b> , 287, 471-482	57
1097	Subsurface structure, physical properties, fault-zone characteristics and stress state in scientific drill holes of Taiwan Chelungpu Fault Drilling Project. <b>2009</b> , 466, 307-321	40
1096	Styles of lithospheric extension controlled by underplated mafic bodies. <b>2009</b> , 468, 169-184	28
1095	3D Thermo-mechanical modelling of a stretched continental lithosphere containing localized low-viscosity anomalies (the soft-point theory of plate break-up). <b>2009</b> , 468, 158-168	23
1094	Active stress from earthquake focal mechanisms along the PadanAdriatic side of the Northern Apennines (Italy), with considerations on stress magnitudes and pore-fluid pressures. <b>2009</b> , 476, 180-194	22
1093	Relating rapid plate-motion variations to plate-boundary forces in global coupled models of the mantle/lithosphere system: Effects of topography and friction. <b>2009</b> , 474, 393-404	36
1092	Faulting of Lemnos Island; a mirror of faulting of the North Aegean Trough (Northern Greece). <b>2009</b> , 467, 72-88	31
1091	A decade of passive seismic monitoring experiments with local networks in four Italian regions. <b>2009</b> , 476, 85-98	15
1090	High-velocity frictional behavior and microstructure evolution of fault gouge obtained from Nojima fault, southwest Japan. <b>2009</b> , 471, 285-296	71
1089	Rupturing in overpressured crust during compressional inversion <b>t</b> he case from NE Honshu, Japan. <b>2009</b> , 473, 404-416	96
1088	Dynamic models for metamorphic core complex formation and scaling: The role of unchannelized collapse of thickened continental crust. <b>2009</b> , 477, 93-101	22
1087	Physical modelling of sand injectites. <b>2009</b> , 474, 610-632	59
1086	A new thermal and rheological model of the European lithosphere. <b>2009</b> , 476, 478-495	93
1085	A general test of the hypothesis that transformation-induced faulting cannot occur in the lower mantle. <b>2009</b> , 172, 91-103	13

### (2009-2009)

1084	Precise aftershock distribution of the 2004 Mid-Niigata prefecture earthquakelmplication for a very weak region in the lower crust. <b>2009</b> , 172, 345-352	4
1083	Potential role of strain hardening in the cessation of rifting at constant tectonic force. <b>2009</b> , 47, 47-62	8
1082	Spatial variation in seismotectonics and stress conditions across the Kurile and Japan trenches inferred from the analysis of focal mechanism data in Hokkaido, northern Japan. <b>2009</b> , 47, 153-166	6
1081	An elasto-visco-plastic model using the finite element method for crustal and lithospheric deformation. <b>2009</b> , 48, 83-94	4
1080	Bearing of plate geometry and rheology on shallow-focus mega-thrust seismicity with special reference to 26 December 2004 Sumatra event. <b>2009</b> , 34, 480-491	16
1079	Thermo-Mechanical Models for Coupled Lithosphere-Surface Processes: Applications to Continental Convergence and Mountain Building Processes. <b>2009</b> , 103-143	7
1078	Thermal and Rheological Model of the European Lithosphere. <b>2009</b> , 71-101	5
1077	Evidence of long-term weakness on seismogenic faults in western North America from dynamic modeling. <b>2009</b> , 114,	17
1076	Stress change and effective friction coefficient along the Sumatra-Andaman-Sagaing fault system after the 26 December 2004 (Mw = $9.2$ ) and the 28 March 2005 (Mw = $8.7$ ) earthquakes. <b>2009</b> , 10, n/a-n/a	36
1075	Mantle convection controls the observed lateral variations in lithospheric thickness on present-day Mars. <b>2009</b> , 36,	37
1074	Modeling crustal deformation and rupture processes related to upwelling of deep CO2-rich fluids during the 1965¶967 Matsushiro earthquake swarm in Japan. 2009, 114,	84
1073	The frictional strength of granular fault gouge: application of theory to the mechanics of low-angle normal faults. <b>2009</b> , 321, 9-31	6
1072	Chapter 5 Pseudotachylytes and Earthquake Source Mechanics. <b>2009</b> , 94, 87-133	32
1071	Earthquake ruptures with thermal weakening and the operation of major faults at low overall stress levels. <b>2009</b> , 114,	168
1070	Postseismic deformation due to the Mw 6.0 2004 Parkfield earthquake: Stress-driven creep on a fault with spatially variable rate-and-state friction parameters. <b>2009</b> , 114,	137
1069	Clay fabric intensity in natural and artificial fault gouges: Implications for brittle fault zone processes and sedimentary basin clay fabric evolution. <b>2009</b> , 114,	67
1068	Constraints on the stress state of the San Andreas Fault with analysis based on core and cuttings from San Andreas Fault Observatory at Depth (SAFOD) drilling phases 1 and 2. <b>2009</b> , 114,	37
1067	Determination of the pore fluid pressure ratio at seismogenic megathrusts in subduction zones: Implications for strength of asperities and Andean-type mountain building. <b>2009</b> , 114,	75

1066	Frictional melting of peridotite and seismic slip. <b>2009</b> , 114,	57
1065	Frictional and hydrologic properties of clay-rich fault gouge. <b>2009</b> , 114,	277
1064	Preliminary Results of In-situ Stress Measurements along the Longmenshan Fault Zone after the Wenchuan Ms 8.0 Earthquake. <b>2009</b> , 83, 746-753	26
1063	How the Continents Deform: The Evidence From Tectonic Geodesy. <b>2009</b> , 37, 237-262	90
1062	Residual stress measurements on a quartz vein: A constraint on paleostress magnitude. <b>2009</b> , 114,	5
1061	Regions of Reduced Static Stress Drop near Fault Tips for Large Strike-Slip Earthquakes. <b>2009</b> , 99, 1691-1704	6
1060	Basic characteristics and development of yield criteria for geomaterials. <b>2009</b> , 1, 71-88	18
1059	Earthquake Stress Drops and Inferred Fault Strength on the Hayward Fault, East San Francisco Bay, California. <b>2009</b> , 99, 1801-1814	58
1058	Statistics of Earthquake Stress Drops on a Heterogeneous Fault in an Elastic Half-Space. <b>2009</b> , 99, 1786-1800	9
1057	Fracture Characterizing and Modeling of a Porous Fractured Carbonate Reservoir, SW Iran. 2009,	2
1056	Assessing Stability of Reservoir Bounding Faults While Drilling. 2010,	2
1055	Geomechanical Assessments for Underground Gas Storage and CO2 Sequestration in Depleted Hydrocarbon Reservoirs. <b>2010</b> ,	1
1054	3D Geomechanical Modeling for the Apiay and Suria Oil Fields Llanos Orientales Basin, Colombia: Insights on the Stability of Reservoir-Bounding Faults. <b>2010</b> ,	2
1053	The role of fluids in earthquake generation in the 2009 Mw6.3 L'Aquila, Italy, earthquake and its foreshocks: Figure 1 <b>2010</b> , 38, 1055-1056	14
1052	Plastic yielding as a frequency and amplitude independent mechanism of seismic wave attenuation. <b>2010</b> , 75, N51-N63	15
1051	References. 513-522	
1050	Aquifer Characteristics near Cuestas and Their Relation to Rock Tensile Strength. 2010,	
1049	Cyclic waterfrac stimulation to develop an Enhanced Geothermal System (EGS)Conceptual design and experimental results. <b>2010</b> , 39, 59-69	80

1048	Evaluation of the origin hypotheses of Pantheon Fossae, central Caloris basin, Mercury. <b>2010</b> , 209, 262-270	17
1047	Runout of the Socompa volcanic debris avalanche, Chile: a mechanical explanation for low basal shear resistance. <b>2010</b> , 72, 933-944	52
1046	From field geology to earthquake simulation: a new state-of-the-art tool to investigate rock friction during the seismic cycle (SHIVA). <b>2010</b> , 21, 95-114	62
1045	Fractal analysis of the evolution of a fracture network in a granite outcrop, SE Korea. <b>2010</b> , 14, 201-215	16
1044	Samovar: a thermomechanical code for modeling of geodynamic processes in the lithosphere application to basin evolution. <b>2010</b> , 3, 477-497	2
1043	Activity criterion of pre-existing fabrics in non-homogeneous deformation domain. <b>2010</b> , 53, 1115-1125	12
1042	Forward modeling synsedimentary deformation associated with a prograding steep-sloped carbonate margin. <b>2010</b> , 32, 1187-1200	18
1041	Normal-fault development during two phases of non-coaxial extension: An experimental study. <b>2010</b> , 32, 1656-1667	94
1040	High shear strain behaviour of synthetic muscovite fault gouges under hydrothermal conditions. <b>2010</b> , 32, 1685-1700	39
1039	Interpretation and analysis of planetary structures. <b>2010</b> , 32, 855-875	36
1038	Field evidences for the role of static friction on fracture orientation in extensional relays along strike-slip faults: Comparison with photoelasticity and 3-D numerical modeling. <b>2010</b> , 32, 1721-1731	31
1037	Palaeostress perturbations near the El Castillo de las Guardas fault (SW Iberian Massif). <b>2010</b> , 32, 693-702	1
1036	A review of recent developments concerning the structure, mechanics and fluid flow properties of fault zones. <b>2010</b> , 32, 1557-1575	798
1035	Stress determination in active thrust belts: An alternative leak-off pressure interpretation. <b>2010</b> , 32, 1061-1069	31
1034	Fault-related clay authigenesis along the Moab Fault: Implications for calculations of fault rock composition and mechanical and hydrologic fault zone properties. <b>2010</b> , 32, 1899-1911	36
1033	Links between topography, erosion, rheological heterogeneity, and deformation in contractional settings: Insights from the central Andes. <b>2010</b> , 495, 78-92	26
1032	Fluid flow during unbending: Implications for slab hydration, intermediate-depth earthquakes and deep fluid subduction. <b>2010</b> , 494, 149-154	16
1031	Lithosphere tectonics and thermo-mechanical properties: An integrated modelling approach for Enhanced Geothermal Systems exploration in Europe. <b>2010</b> , 102, 159-206	75

1030	A balanced forelandlinterland deformation model for the Southern Variscan belt of Sardinia, Italy. <b>2010</b> , 45, 634-649	21
1029	Exploration Methods. <b>2010</b> , 37-112	6
1028	Structural geology of Amazonian-aged layered sedimentary deposits in southwest Candor Chasma, Mars. <b>2010</b> , 207, 210-225	46
1027	Accommodation of lithospheric shortening on Mercury from altimetric profiles of ridges and lobate scarps measured during MESSENGER flybys 1 and 2. <b>2010</b> , 209, 247-255	22
1026	A response surface methodology to address uncertainties in cap rock failure assessment for CO2 geological storage in deep aquifers. <b>2010</b> , 4, 198-208	44
1025	Geomechanical analysis of the Naylor Field, Otway Basin, Australia: Implications for CO2 injection and storage. <b>2010</b> , 4, 827-839	84
1024	Influence of tectonic overpressure on PII paths of HPIIHP rocks in continental collision zones: thermomechanical modelling. <b>2010</b> , 28, 227-247	95
1023	The application of failure mode diagrams for exploring the roles of fluid pressure and stress states in controlling styles of fracture-controlled permeability enhancement in faults and shear zones. <b>2010</b> ,	36
1022	Present-day stresses in Brunei, NW Borneo: superposition of deltaic and active margin tectonics. <b>2010</b> , 22, 236-247	19
1021	Numerical modelling of pore pressure variations due to time varying loads using a hybrid technique: the case of the Itoiz reservoir (Northern Spain). <b>2010</b> , 180, 327-338	10
1020	Drop-down formation of deep basins along the Dead Sea and other strike-slip fault systems. <b>2010</b> , 181, 185-197	26
1019	Spatial heterogeneity of tectonic stress and friction in the crust: new evidence from earthquake focal mechanisms in Taiwan. <b>2010</b> , no-no	9
1018	A unified continuum representation of post-seismic relaxation mechanisms: semi-analytic models of afterslip, poroelastic rebound and viscoelastic flow. <b>2010</b> , 182, 1124-1140	121
1017	Effect of the Zipingpu reservoir impoundment on the occurrence of the 2008 Wenchuan earthquake and local seismicity. <b>2010</b> , 183, 277-285	27
1016	Modelling the hydromechanical response in the vicinity of the Koyna reservoir (India): results for the initial filling period. <b>2010</b> , 183, 461-477	15
1015	Spatiotemporal characteristics of aftershock sequences in the South Iceland Seismic Zone: interpretation in terms of pore pressure diffusion and poroelasticity. <b>2010</b> , 183, 1104-1118	8
1014	Earth science: Glaciers shield mountain tops. <b>2010</b> , 467, 281-2	4
1013	Shear veins observed within anisotropic fabric at high angles to the maximum compressive stress. <b>2010</b> , 3, 482-485	78

Calcite Twins, a Tool for Tectonic Studies in Thrust Belts and Stable Orogenic Forelands. <b>2010</b> , 65, 809-838	51
Deformation and Fluid-Rock Interaction in the Supra-subduction Mantle: Microstructures and Water Contents in Peridotite Xenoliths from the Avacha Volcano, Kamchatka. <b>2010</b> , 51, 363-394	129
High-pressure fluid at hypocentral depths in the L'Aquila region inferred from earthquake focal mechanisms. <b>2010</b> , 38, 995-998	112
New Frontiers in Integrated Solid Earth Sciences. 2010,	14
Development of Fluid Veins during Deformation of Fluid-rich Rocks close to the Brittle Ductile Transition: Comparison between Experimental and Physical Models. <b>2010</b> , 51, 2047-2066	6
The Importance of Sand in Earth Sciences. <b>2010</b> , 357-381	1
Structural Setting of the 2008 Mw 7.9 Wenchuan, China, Earthquake. <b>2010</b> , 100, 2713-2735	120
Failure as a critical phenomenon in a progressive damage model. <b>2010</b> , 2010, P01013	39
In situ stress variations at the Variscan deformation front [Results from the deep Aachen geothermal well. <b>2010</b> , 493, 196-211	14
Effect of clay content and mineralogy on frictional sliding behavior of simulated gouges: Binary and ternary mixtures of quartz, illite, and montmorillonite. <b>2010</b> , 115,	216
Coseismic and postseismic slip from the 2003 San Simeon earthquake and their effects on backthrust slip and the 2004 Parkfield earthquake. <b>2010</b> , 115,	22
Does hydrologic circulation mask frictional heat on faults after large earthquakes?. <b>2010</b> , 115,	15
Evaluation of the orogenic belt hypothesis for the formation of the Thaumasia Highlands, Mars. <b>2010</b> , 115,	19
A random kinetic energy model for rock avalanches: Eight case studies. <b>2010</b> , 115,	25
Dating the detachment fault system of the Ruby Mountains, Nevada: Significance for the kinematics of low-angle normal faults. <b>2010</b> , 29, n/a-n/a	26
Thermal regime of the Costa Rican convergent margin: 2. Thermal models of the shallow Middle America subduction zone offshore Costa Rica. <b>2010</b> , 11, n/a-n/a	57
Erosional control of the kinematics and geometry of fold-and-thrust belts imaged in a physical and numerical sandbox. <b>2010</b> , 115,	45
Scaling of plate tectonic convection with pseudoplastic rheology. <b>2010</b> , 115,	47
	Water Contents in Peridotite Xenoliths from the Avacha Volcano, Kamchatka. 2010, 51, 363-394  High-pressure fluid at hypocentral depths in the L'Aquila region inferred from earthquake focal mechanisms. 2010, 38, 995-998  New Frontiers in Integrated Solid Earth Sciences. 2010,  Development of Fluid Veins during Deformation of Fluid-rich Rocks close to the BrittleDuctile Transition: Comparison between Experimental and Physical Models. 2010, 51, 2047-2066  The Importance of Sand in Earth Sciences. 2010, 357-381  Structural Setting of the 2008 Mw 7.9 Wenchuan, China, Earthquake. 2010, 100, 2713-2735  Failure as a critical phenomenon in a progressive damage model. 2010, 2010, P01013  In situ stress variations at the Variscan deformation front IResults from the deep Aachen geothermal well. 2010, 493, 196-211  Effect of clay content and mineralogy on frictional sliding behavior of simulated gouges: Binary and ternary mixtures of quartz, illite, and montmorillonite. 2010, 115,  Coseismic and postseismic slip from the 2003 San Simeon earthquake and their effects on backthrust slip and the 2004 Parkfield earthquake. 2010, 115,  Does hydrologic circulation mask frictional heat on faults after large earthquakes?. 2010, 115,  Evaluation of the orogenic belt hypothesis for the formation of the Thaumasia Highlands, Mars. 2010, 115,  Dating the detachment fault system of the Ruby Mountains, Nevada: Significance for the kinematics of low-angle normal faults. 2010, 29, n/a-n/a  Thermal regime of the Costa Rican convergent grants. Thermal models of the shallow Middle America subduction zone offshore Costa Rica. 2010, 11, n/a-n/a  Erosional control of the kinematics and geometry of fold-and-thrust belts imaged in a physical and numerical sandbox. 2010, 115,

994	Experimental evidence for the simultaneous formation of pseudotachylyte and mylonite in the brittle regime. <b>2010</b> , 38, 1143-1146	30
993	Paleostress regimes from brittle structures of the Karakoramkohistan Suture Zone and surrounding areas of NW Pakistan. <b>2010</b> , 38, 307-335	11
992	Poroelastic stress-triggering of the 2005 M8.7 Nias earthquake by the 2004 M9.2 SumatraAndaman earthquake. <b>2010</b> , 293, 289-299	61
991	An efficient mechanism to avert frictional melts during seismic ruptures. <b>2010</b> , 296, 144-152	12
990	Dynamical mechanisms controlling formation and avalanche of a stagnant slab. <b>2010</b> , 183, 309-320	30
989	Subsurface fault geometries and crustal extension in the eastern Basin and Range Province, western U.S <b>2010</b> , 488, 131-142	22
988	The equivalent elastic thickness (Te), seismicity and the long-term rheology of continental lithosphere: Time to burn-out @rfhe brleß Insights from large-scale geodynamic modeling. 2010, 484, 4-26	76
987	Localized rotation of principal stress around faults and fractures determined from borehole breakouts in hole B of the Taiwan Chelungpu-fault Drilling Project (TCDP). <b>2010</b> , 482, 82-91	56
986	Three-dimensional numerical models of the influence of a buoyant oceanic plateau on subduction zones. <b>2010</b> , 483, 71-79	74
985	Factors that control the angle of shear bands in geodynamic numerical models of brittle deformation. <b>2010</b> , 484, 36-47	84
984	Interaction between regional stress state and faults: Complementary analysis of borehole in situ stress and earthquake focal mechanism in southeastern Korea. <b>2010</b> , 485, 164-177	46
983	Control of pore fluid pressure on depth of emplacement of magmatic sills: An experimental approach. <b>2010</b> , 489, 1-13	37
982	Reexamination of the present stress state of the Atera fault system, central Japan, based on the calibrated crustal stress data of hydraulic fracturing tests obtained by measuring the tensile strength of rocks. <b>2010</b> , 115,	6
981	Fault interaction and stresses along broad oceanic transform zone: Tjfnes Fracture Zone, north Iceland. <b>2010</b> , 29, n/a-n/a	12
980	Exhumation, crustal deformation, and thermal structure of the Nepal Himalaya derived from the inversion of thermochronological and thermobarometric data and modeling of the topography. <b>2010</b> , 115,	206
979	Strong velocity weakening and powder lubrication of simulated carbonate faults at seismic slip rates. <b>2010</b> , 115,	136
978	Laboratory measurements of the frictional properties of the Zuccale low-angle normal fault, Elba Island, Italy. <b>2010</b> , 115,	55
977	Laboratory measurements of rock friction at subseismic slip velocities. <b>2010</b> , 47, 1363-1371	12

## (2011-2010)

976	Deformation and Alteration Associated With Oceanic And Continental Detachment Fault Systems: Are They Similar?. <b>2010</b> , 175-205	16
975	Geomechanical Wellbore Imaging. <b>2010</b> , 1-32	3
974	ON THE LIKELIHOOD OF PLATE TECTONICS ON SUPER-EARTHS: DOES SIZE MATTER?. <b>2010</b> , 725, L43-L46	109
973	Mechanics, Structure and Evolution of Fault Zones. 2010,	2
972	Using Mindlin theory to model friction-dependent shear modulus in granular media. 2010, 75, E143-E152	33
971	Stress Field of the Earth Crust. <b>2010</b> ,	130
970	Mica-controlled anisotropy within mid-to-upper crustal mylonites: an EBSD study of mica fabrics in the Alpine Fault Zone, New Zealand. <b>2011</b> , 360, 33-47	25
969	Flash weakening of serpentinite at near-seismic slip rates. <b>2011</b> , 116,	53
968	Depth-dependent stress field in and around the Atotsugawa fault, central Japan, deduced from microearthquake focal mechanisms: Evidence for localized aseismic deformation in the downward extension of the fault. <b>2011</b> , 116,	25
967	Magma, faults, and gravitational loading at Mount Etna: The 2002\(\mathbb{Q}\)003 eruptive period. <b>2011</b> , 116,	23
966	Frictional experiments of dolerite at intermediate slip rates with controlled temperature: Rate weakening or temperature weakening?. <b>2011</b> , 116,	18
965	Mapping crustal stress and strain in southwest British Columbia. <b>2011</b> , 116,	23
964	Mantle rheology and the scaling of bending dissipation in plate tectonics. <b>2011</b> , 116,	13
963	Microstructural and mechanical effects of strong fine-grained muscovite in soft halite matrix: Shear strain localization in torsion. <b>2011</b> , 116,	3
962	Heat advection by groundwater flow through a heterogeneous permeability crust: A potential cause of scatter in surface heat flow near Parkfield, California. <b>2011</b> , 116,	11
961	Stress changes and aftershock distribution of the 1994 and 2006 Java subduction zone earthquake sequences. <b>2011</b> , 116,	7
960	Dynamic modeling of slow slip coupled with tremor. <b>2011</b> , 116,	13
959	Frictional melting of gabbro under extreme experimental conditions of normal stress, acceleration, and sliding velocity. <b>2011</b> , 116,	75

958	Insolation driven variations of Mercury's lithospheric strength. <b>2011</b> , 116,	22
957	A transpressional origin for the West Spitsbergen fold-and-thrust belt: Insight from analog modeling. <b>2011</b> , 30, n/a-n/a	57
956	The effect of convergence angle on the kinematic evolution of strain partitioning in transpressional brittle wedges: Insight from analog modeling and high-resolution digital image analysis. <b>2011</b> , 30, n/a-n/a	58
955	Quantitative constraint on footwall rotations at the 15°45?N oceanic core complex, Mid-Atlantic Ridge: Implications for oceanic detachment fault processes. <b>2011</b> , 12, n/a-n/a	37
954	Curvature of subducted lithosphere from earthquake locations in the Wadati-Benioff zone. <b>2011</b> , 12, n/a-n/a	20
953	Dynamics of subduction initiation with different evolutionary pathways. <b>2011</b> , 12, n/a-n/a	55
952	Cohesive strength of clay-rich sediment. <b>2011</b> , 38, n/a-n/a	52
951	Flash weakening is limited by granular dynamics. <b>2011</b> , 38, n/a-n/a	23
950	How pore fluid pressurization influences crack tip processes during dynamic rupture. 2011, 38, n/a-n/a	8
949	Analogue modeling of flank instability at Mount Etna: Understanding the driving factors. <b>2011</b> , 116,	40
948	The role of fault zone fabric and lithification state on frictional strength, constitutive behavior, and deformation microstructure. <b>2011</b> , 116,	53
947	Thermal evolution with a hydrating mantle and the initiation of plate tectonics in the early Earth. <b>2011</b> , 116,	82
946	Estimates of stress drop and crustal tectonic stress from the 27 February 2010 Maule, Chile, earthquake: Implications for fault strength. <b>2011</b> , 116, n/a-n/a	37
945		
	Influence of dilatancy on the frictional constitutive behavior of a saturated fault zone under a variety of drainage conditions. <b>2011</b> , 116,	20
944		43
944	variety of drainage conditions. <b>2011</b> , 116,	
	variety of drainage conditions. <b>2011</b> , 116,  ON THE DETERMINISTIC DESCRIPTION OF EARTHQUAKES. <b>2011</b> , 49,	43

940	Super-Earths: a new class of planetary bodies. <b>2011</b> , 52, 403-438	18
939	A challenge to the concept of slip-lines in extrusion tectonics. <b>2011</b> , 2, 23-34	4
938	Continental collision and slab break-off: A comparison of 3-D numerical models with observations. <b>2011</b> , 302, 27-37	334
937	A naturally constrained stress profile through the middle crust in an extensional terrane. <b>2011</b> , 303, 181-192	139
936	The interaction of two indenters in analogue experiments and implications for curved fold-and-thrust belts. <b>2011</b> , 302, 132-146	49
935	Back-arc rifting initiated with a hot and wet continental lithosphere. <b>2011</b> , 302, 172-184	13
934	Principal earthquakes: Theory and observations from the 2008 West Bohemia swarm. <b>2011</b> , 305, 290-296	72
933	Pulverized fault rocks and damage asymmetry along the Arima-Takatsuki Tectonic Line, Japan. <b>2011</b> , 308, 284-297	124
932	Stress evolution before and after the 2008 Wenchuan, China earthquake. <b>2011</b> , 307, 222-232	58
931	Misoriented faults in exhumed metamorphic complexes: Rule or exception?. <b>2011</b> , 307, 233-239	29
930	Localised and distributed deformation in the lithosphere: Modelling the Dead Sea region in 3 dimensions. <b>2011</b> , 308, 172-184	26
929	Fault structure, frictional properties and mixed-mode fault slip behavior. <b>2011</b> , 311, 316-327	88
928	Low-temperature plasticity of olivine during high stress deformation of peridotite at lithospheric conditions [An experimental study. <b>2011</b> , 311, 199-211	46
927	Source-rock maturation characteristics of symmetric and asymmetric grabens inferred from integrated analogue and numerical modeling: The southern Viking Graben (North Sea). <b>2011</b> , 28, 921-935	5
926	Estimating basal friction and fluid pressure from the geometry and spacing of frontal faults in Naga fold thrust belt, India. <b>2011</b> , 28, 1376-1380	2
925	Rheology and strength of the lithosphere. <b>2011</b> , 28, 1402-1443	241
924	Strymon and Strymonikos Gulf basins (Northern Greece): Implications on their formation and evolution from faulting. <b>2011</b> , 51, 285-305	16
923	Mechanical and geometric controls on the structural evolution of pit crater and caldera subsidence. <b>2011</b> , 116,	58

922	Interactions between low-angle normal faults and plutonism in the upper crust: Insights from the Island of Elba, Italy. <b>2011</b> , 123, 329-346	29
921	Conditions for large earthquakes in a two-asperity fault model. <b>2011</b> , 18, 709-717	4
920	Thermal Anomaly and Strength of Atotsugawa Fault, Central Japan, Inferred from Fission-Track Thermochronology. <b>2011</b> ,	
919	Soft Rock Fracturing Geometry And Failure Mode In Lab Experiments. <b>2011</b> ,	9
918	High pore pressure, or its absence, in the San Andreas Fault. <b>2011</b> , 39, 1047-1050	10
917	Newtonian flow of heterogeneous synthetic gabbros at high strain: Grain sliding, ductile failure, and contrasting local mechanisms and interactions. <b>2011</b> , 23, 303-322	7
916	The Application of Failure Mode Diagrams for Exploring the Roles of Fluid Pressure and Stress States in Controlling Styles of Fracture-Controlled Permeability Enhancement in Faults and Shear Zones. <b>2011</b> , 217-233	4
915	Properties of some crustal materials. 564-569	
914	In-situ stress at a site close proximity to the Gofukuji Fault, central Japan, measured using drilling cores. <b>2011</b> , 20, 160-173	1
913	Fault tectonic analysis of Kii peninsula, Southwest Japan: Preliminary approach to Neogene paleostress sequence near the Nankai subduction zone. <b>2011</b> , 20, 455-476	8
912	Lithospheric folding and sedimentary basin evolution: a review and analysis of formation mechanisms. <b>2011</b> , 23, 257-290	88
911	A thermodynamically self-consistent damage equation for grain size evolution during dynamic recrystallization. <b>2011</b> , 184, 719-728	112
910	Subduction initiation along the inherited weakness zone at the edge of a slab: Insights from numerical models. <b>2011</b> , 184, 991-1008	50
909	Geomechanical model of the Marmara Sea region-I. 3-D contemporary kinematics. <b>2011</b> , 185, 1073-1089	27
908	Long-range predictability in physics-based synthetic earthquake catalogues. <b>2011</b> , 185, 1037-1048	4
907	Hydromechanical analyses of the hydraulic stimulation of borehole Basel 1. <b>2011</b> , 185, 1266-1287	17
906	Rock mechanical analysis of a Ml= 4.0 seismic event induced by mining in the Saar District, Germany. <b>2011</b> , 186, 359-372	25
905	Switching between alternative responses of the lithosphere to continental collision. <b>2011</b> , 187, 1151-1174	21

904	Natural fault lubricants. <b>2011</b> , 4, 217-218	12
903	Fault lubrication during earthquakes. <b>2011</b> , 471, 494-8	594
902	Reactivation tendency analysis: A theory for predicting the temporal evolution of preexisting weakness under uniform stress state. <b>2011</b> , 503, 195-200	39
901	Wedge geometry, mechanical strength, and interseismic coupling of the Hikurangi subduction thrust, New Zealand. <b>2011</b> , 507, 26-30	27
900	Low-temperature deformation in calcite veins of SAFOD core samples (San Andreas Fault)  Microstructural analysis and implications for fault rheology. <b>2011</b> , 509, 107-119	23
899	The mechanical paradox of low-angle normal faults: Current understanding and open questions. <b>2011</b> , 510, 253-268	118
898	Spatial distribution of stress and frictional strength along the interplate boundary in northern Japan and its correlation to the locations of large earthquakes. <b>2011</b> , 511, 1-13	4
897	Review of active faults in the Borborema Province, Intraplate South America Integration of seismological and paleoseismological data. <b>2011</b> , 510, 269-290	61
896	A new experimental material for modeling relief dynamics and interactions between tectonics and surface processes. <b>2011</b> , 513, 68-87	34
895	Interaction between normal fault slip and erosion on relief evolution: Insights from experimental modelling. <b>2011</b> , 513, 1-19	34
894	Interfacial friction-induced pressure and implications for the formation and preservation of intergranular coesite in metamorphic rocks. <b>2011</b> , 33, 107-113	15
893	Shear-induced graphitization of carbonaceous materials during seismic fault motion: Experiments and possible implications for fault mechanics. <b>2011</b> , 33, 1122-1134	73
892	Reconciliation of contrasting theories for fracture spacing in layered rocks. <b>2011</b> , 33, 551-565	71
891	Analogue models of second-order faults genetically linked to a circular strike-slip system. <b>2011</b> , 33, 1193-120.	5 9
890	Insights into fluid flow and water-rock interaction during deformation of carbonate sequences in the Mexican fold-thrust belt. <b>2011</b> , 33, 1237-1253	51
889	Vein development during folding in the upper brittle crust: The case of tourmaline-rich veins of eastern Elba Island, northern Tyrrhenian Sea, Italy. <b>2011</b> , 33, 1509-1522	31
888	Dike emplacement and flank instability at Mount Etna: Constraints from a poro-elastic-model of flank collapse. <b>2011</b> , 199, 153-164	15
887	Indentation as an extrusion mechanism of lower crustal rocks: Insight from analogue and numerical modelling, application to the Eastern Bohemian Massif. <b>2011</b> , 124, 158-168	18

886	Design, operation and validation of a new fluid-sealed direct shear apparatus capable of monitoring fault-related fluid flow to large displacements. <b>2011</b> , 48, 1160-1172	20
885	Can tilt tests provide correct insight regarding frictional behavior of sliding rock block under seismic excitation?. <b>2011</b> , 122, 84-92	8
884	Tectonics on lapetus: Despinning, respinning, or something completely different?. <b>2011</b> , 216, 198-211	16
883	Bubble growth in visco-elastic magma: implications to magma fragmentation and bubble nucleation. <b>2011</b> , 73, 39-54	10
882	Sheeting Joints: Characterisation, Shear Strength and Engineering. <b>2011</b> , 44, 1-22	52
881	Modeling of coupled deformation and permeability evolution during fault reactivation induced by deep underground injection of CO2. <b>2011</b> , 5, 336-346	299
880	Comparison of the accuracy of some conventional triaxial strength criteria for intact rock. <b>2011</b> , 48, 852-863	26
879	Elastic thickness estimates at northeast passive margin of North America and its implications. <b>2011</b> , 120, 447-458	3
878	Numerical investigation on the geodynamical mechanism of the first major shock of 2006 Pingtung M w7.0 earthquake. <b>2011</b> , 54, 631-639	3
877	High-velocity frictional behavior of Longmenshan fault gouge from Hongkou outcrop and its implications for dynamic weakening of fault during the 2008 Wenchuan earthquake. <b>2011</b> , 24, 267-281	46
876	Flash heating leads to low frictional strength of crustal rocks at earthquake slip rates. <b>2011</b> , 334, 216-8	202
875	InSAR and Optical Constraints on Fault Slip during the 2010-2011 New Zealand Earthquake Sequence. <b>2011</b> , 82, 815-823	24
874	Introduction to the Physics of Landslides. <b>2011</b> ,	72
873	The microstructural character and mechanical significance of fault rocks associated with a continental low-angle normal fault: the Zuccale Fault, Elba Island, Italy. <b>2011</b> , 359, 97-113	13
872	Contrasting styles of fault reactivation in curved orogenic belts: Examples from the Central Apennines (Italy). <b>2011</b> , 123, 1097-1111	66
871	The scope of earthquake geology. <b>2011</b> , 359, 319-331	9
870	3-D thermo-mechanical laboratory modeling of plate-tectonics: modeling scheme, technique and first experiments. <b>2011</b> , 2, 35-51	28
869	Localization of deformation triggered by chemo-mechanical feedback processes. <b>2012</b> , 124, 737-745	16

868	Evolution of the Cenozoic East African rift system: Cratons, plumes, and continental breakup. <b>2012</b> , 132-162	4
867	'Melt welt' mechanism of extreme weakening of gabbro at seismic slip rates. <b>2012</b> , 488, 638-41	56
866	EastWest shortening during northBouth convergence, example of the NW Himalayan syntaxis. <b>2012</b> , 59, 845-858	4
865	Strong localized asperity of the 2011 Tohoku-Oki earthquake, Japan. <b>2012</b> , 64, 649-654	15
864	. <b>2012</b> , 8, 374	22
863	Modelling of sediment wedge movement along low-angle detachments using ABAQUSI <b>2012</b> , 367, 171-183	2
862	Numerical models of trench migration in continental collision zones. 2012,	2
861	Initiation of plate tectonics in the Hadean: Eclogitization triggered by the ABEL Bombardment. <b>2018</b> , 9, 1033-1048	36
860	Strength and elastic thickness variations in the Arabian Plate: A combination of temperature, composition and strain rates of the lithosphere. <b>2018</b> , 746, 398-411	5
859	Earthquake cycle simulations with rate-and-state friction and power-law viscoelasticity. <b>2018</b> , 733, 232-256	42
858	Review of major shale-dominated detachment and thrust characteristics in the diagenetic zone: Part II, rock mechanics and microscopic scale. <b>2018</b> , 176, 19-50	29
857	Along fault friction and fluid pressure effects on the spatial distribution of fault-related fractures. <b>2018</b> , 108, 198-212	14
856	Grain size assisted thermal runaway as a nucleation mechanism for continental mantle earthquakes: Impact of complex rheologies. <b>2018</b> , 746, 611-623	20
855	Estimation of In Situ Stresses with Hydro-Fracturing Tests and a Statistical Method. <b>2018</b> , 51, 779-799	11
854	Geotribology - Friction, wear, and lubrication of faults. <b>2018</b> , 733, 171-181	30
853	Creeping subduction zones are weaker than locked subduction zones. <b>2018</b> , 11, 60-64	18
852	The Role of Coseismic Coulomb Stress Changes in Shaping the Hard Link Between Normal Fault Segments. <b>2018</b> , 123, 797-814	10
851	Control on off-rift magmatism: A case study of the Baikal Rift Zone. <b>2018</b> , 482, 501-509	8

850	Numerical Study on Stress Heterogeneity Development in Two-Phase Rocks with Large Rheological Contrast and Implications in the Lower Crust. <i>Pure and Applied Geophysics</i> , <b>2018</b> , 175, 963-976	O
849	Triangle zones ©eometry, kinematics, mechanics, and the need for appreciation of uncertainties. <b>2018</b> , 177, 24-42	32
848	Geophysical greenfield exploration in the permo-carboniferous SaarNahe basinThe Wiesbaden Geothermal Project, Germany. <b>2018</b> , 66, 144-160	2
847	Comparison of different digital elevation models and satellite imagery for lineament analysis: Implications for identification and spatial arrangement of fault zones in crystalline basement rocks of the southern Black Forest (Germany). <b>2018</b> , 108, 256-268	16
846	A Geophysical Perspective on the Bulk Composition of Mars. <b>2018</b> , 123, 575-611	75
845	Structural analysis and Miocene-to-Present tectonic evolution of a lithospheric-scale, transcurrent lineament: The Sciacca Fault (Sicilian Channel, Central Mediterranean Sea). <b>2018</b> , 722, 342-355	19
844	From soft sediment deformation to fluid assisted faulting in the shallow part of a subduction megathrust analogue: the Sestola Vidiciatico tectonic Unit (Northern Apennines, Italy). <b>2018</b> , 155, 438-450	14
843	The strength of earthquake-generating faults. <b>2018</b> , 175, 1-12	28
842	Extension and Dynamics of the Andes Inferred From the 2016 Parina (Huarichancara) Earthquake. <b>2018</b> , 123, 8198-8228	12
841	Coseismic Slip Distribution of the 2 July 2013 Mw 6.1 Aceh, Indonesia, Earthquake and Its Tectonic Implications. <b>2018</b> , 108, 1918-1928	12
840	An Overview of Fault Rockburst in Coal Mines. 2018, 199, 052039	О
839	Resolving Source Geometry of the 24 August 2016 Amatrice, Central Italy, Earthquake from InSAR Data and 3D Finite-Element Modeling. <b>2018</b> , 108, 553-572	22
838	Review: Factors Affecting the Assessment of Earthquake Hazard from Compressional Inversion Structure. <b>2018</b> , 108, 1819-1836	6
837	Temporal changes in the internal stresses and pore pressures in a large-scale submarine mass transport deposit. <b>2018</b> , 5,	1
836	Lithologic control of frictional strength variations in subduction zone sediment inputs. <b>2018</b> , 14, 604-625	10
835	The role of calcite-rich metasedimentary mylonites in localizing detachment fault strain and influencing the structural evolution of the Buckskin-Rawhide metamorphic core complex, west-central Arizona. <b>2018</b> , 10, 172-193	9
834	On the Long-Range Influence of Earthquake Rupture Zones. <b>2018</b> , 12, 341-352	0
833	Nanosecond Dynamics of the Destruction of Heterogeneous Natural Bodies by Friction. <b>2018</b> , 60, 2300-2304	4

# (2018-2018)

832	An improved geomechanical model for the prediction of fracture generation and distribution in brittle reservoirs. <b>2018</b> , 13, e0205958	4
831	Fluid-Rock Interactions in Clay-Rich Seals. <b>2018</b> , 167-185	2
830	The 3-D Structural Model of an Out-of-Sequence Earthquake in China: Implication for the Reactivation of Positive Inversion Structures Along the Northern Tianshan Fold-and-Thrust Belt. <b>2018</b> , 37, 4359-4376	7
829	Relationship Between the Orientation of Maximum Permeability and Intermediate Principal Stress in Fractured Rocks. <b>2018</b> , 54, 8734-8755	17
828	The Formation of Continental Crust from a Physics Perspective. <b>2018</b> , 56, 1289-1321	
827	The Impact of Natural Fracture Thickness on Hydraulic Fracture Interaction Mechanics. 2018,	1
826	Fault Reactivation by Fluid Injection: Controls From Stress State and Injection Rate. 2018, 45, 12,837	41
825	Mercuryඕ Crust and Lithosphere: Structure and Mechanics. <b>2018</b> , 52-84	5
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820	Influence of fracture roughness and micro-fracturing on the mechanical response of rock joints: a discrete element approach. <b>2018</b> , 213, 87-105	10
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816	Lower-crustal earthquakes in southern Tibet are linked to eclogitization of dry metastable granulite. <b>2018</b> , 9, 3483	17
815	Slip-tendency analysis as a tool to constrain the mechanical properties of anisotropic rocks. <b>2018</b> , 117, 136-147	2

814	The Method of Cataclastic Analysis of Discontinuous Displacements. <b>2018</b> , 111-162	5
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811	Evaluating Micro-Seismic Events Triggered by Reservoir Operations at the Geothermal Site of Gro Sch Bebeck (Germany). <b>2018</b> , 51, 3265-3279	19
810	The role of the intermediate principal stress on the direction of damage zone during hydraulic stimulation. <b>2018</b> , 107, 86-93	6
809	The seismo-hydromechanical behavior during deep geothermal reservoir stimulations: open questions tackled in a decameter-scale in situ stimulation experiment. <b>2018</b> , 9, 115-137	95
808	One cause of pulse-like anomalies observed at Guza before the Wenchuan earthquake. <b>2018</b> , 66, 833-842	
807	Crustal rheology from focal depths in the North China Basin. <b>2018</b> , 497, 123-138	10
806	Stress transfer, aftershocks distribution and InSAR analysis of the 2005 Dahuieh earthquake, SE Iran. <b>2018</b> , 147, 211-219	4
805	The brittle-to-viscous transition in polycrystalline quartz: An experimental study. <b>2018</b> , 114, 1-21	17
804	Static Stress Increase in the Outer Forearc Produced by MW 8.2 September 8, 2017 Mexico Earthquake and its Relation to the Gravity Signal. <i>Pure and Applied Geophysics</i> , <b>2018</b> , 175, 2575-2593	4
803	Structural-permeability favorability in crystalline rocks and implications for groundwater flow paths: a case study from the Aar Massif (central Switzerland). <b>2018</b> , 26, 2725-2738	4
802	The Arctic lithosphere: Thermo-mechanical structure and effective elastic thickness. 2018, 171, 2-17	5
801	Refining the thermal structure of the European lithosphere by inversion of subsurface temperature data. <b>2018</b> , 171, 18-47	5
800	The correlation between low tectonic stress and the Appalachian Basin Quiet Zone. 2018, 745, 95-116	5
799	Integration of outcrop, subsurface, and microseismic interpretation for rock-mass characterization: An example from the Duvernay Formation, Western Canada. <b>2018</b> , 6, T919-T936	7
79 <sup>8</sup>	The Influence of Pre-Existing Deformation and Alteration Textures on Rock Strength, Failure Modes and Shear Strength Parameters. <b>2018</b> , 8, 124	6
797	Inter-book normal fault-related shear heating in brittle bookshelf faults. <b>2018</b> , 97, 45-48	22

### (2018-2018)

796	Effects of the Anisotropy of the Fault Zone Permeability on the Timing of Triggered Earthquakes: Insights from 3D-Coupled Fluid Flow and Geomechanical Deformation Modeling. <i>Pure and Applied Geophysics</i> , <b>2018</b> , 175, 4131-4144	5
795	The April 2017 Mw6.5 Botswana Earthquake: An Intraplate Event Triggered by Deep Fluids. <b>2018</b> , 45, 8886-8896	24
794	. <b>2018</b> , 6, 39096-39116	3
793	Effect of Young's Modulus and Surface Roughness on the Inter-Particle Friction of Granular Materials. <b>2018</b> , 11,	70
792	The geo-genetic status of earthquake-related hazards and the role of human and policy dimensions in impact mitigation. <b>2018</b> , 17, 276-291	
791	The Tribological Behavior of Two Potential-Landslide Saprolitic Rocks. <i>Pure and Applied Geophysics</i> , <b>2.2</b>	20
79º	Analytical investigation of hydraulic fracture-induced seismicity and fault activation. 2018, 77, 1	7
789	2D finite-element elastic models of transtensional pull-apart basins. <b>2018</b> , 350, 222-230	10
788	Uncertainty reduction of stress tensor inversion with data-driven catalogue selection. <b>2018</b> , 214, 2250-2263	1
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786	Resolving the Tectonic Stress by the Inversion of Earthquake Focal Mechanisms. Application in the Region of Greece. A Tutorial. <b>2018</b> , 405-452	5
785	Effects of humidity and interlayer cations on the frictional strength of montmorillonite. 2018, 70,	11
784	Voids and Rock Friction at Subseismic Slip Velocity. <i>Pure and Applied Geophysics</i> , <b>2018</b> , 175, 611-631 2.2	4
783	Stress Influence on Fracture Aperture and Permeability of Fragmented Rocks. <b>2018</b> , 123, 3578-3592	10
782	Dynamics of fault motion and the origin of contrasting tectonic style between Earth and Venus. <b>2018</b> , 8, 11884	18
781	Orogen-parallel variation in exhumation and its influence on critical taper evolution: The case of the Emilia-Romagna Apennine (Italy). <b>2018</b> , 727, 41-55	O
780	Geometrical and Frictional Effects on Incomplete Rupture and Shallow Slip Deficit in Ramp-Flat Structures. <b>2018</b> , 45, 8949-8957	7
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772	Geomechanical characterization of a caprock-reservoir system in the Northern Appalachian Basin: Estimating spatial variation of in situ stress magnitude and orientation. <b>2018</b> , 6, T759-T781	9
771	Experimental study of effects of shearing on proppant embedment behaviour of tight gas sandstone reservoirs. <b>2019</b> , 172, 228-246	11
770	In Situ Stress State of the Northwest Region of the Jiaodong Peninsula, China from Overcoring Stress Measurements in Three Gold Mines. <b>2019</b> , 52, 4497-4507	15
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754	References. <b>2019</b> , 529-586	
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752	Dynamic Wedge Failure and Along-Arc Variations of Tsunamigenesis in the Japan Trench Margin. <b>2019</b> , 46, 8782-8790	14
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748	Fault slip envelope: a new parametric investigation tool for fault slip based on geomechanics and 3-D fault geometry. <b>2019</b> , 10, 1141-1154	2
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745	Stress Patterns and Failure Around Rough Interlocked Fault Surface. <b>2019</b> , 124, 7138-7154	13
744	In situ stress and natural fractures in the Carnarvon Basin, North West Shelf, Australia. 2019, 50, 514-531	4
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740	Effect of the Injection Scenario on the Rate and Magnitude Content of Injection-Induced Seismicity: Case of a Heterogeneous Fault. <b>2019</b> , 124, 8426-8448	10
739	A Parametric Analysis of Fault Reactivation in the New Madrid Seismic Zone: The Role of Pore Fluid Overpressure. <b>2019</b> , 124, 10630-10648	3
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734	Informational analysis of Langevin equation of friction in earthquake rupture processes. <b>2019</b> , 29, 103120	5
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732	Stabilizing Effect of High Pore Fluid Pressure on Slip Behaviors of Gouge-bearing Faults. 2019, 124, 9526-954	<b>1</b> 5 12
73 <sup>2</sup>	Stabilizing Effect of High Pore Fluid Pressure on Slip Behaviors of Gouge-bearing Faults. <b>2019</b> , 124, 9526-954.  Discrete Fracture Modeling approach for simulating coupled thermo-hydro-mechanical effects in fractured reservoirs. <b>2019</b> , 122, 104075	<b>15</b> 12
	Discrete Fracture Modeling approach for simulating coupled thermo-hydro-mechanical effects in	
731	Discrete Fracture Modeling approach for simulating coupled thermo-hydro-mechanical effects in fractured reservoirs. <b>2019</b> , 122, 104075	11
73 <sup>1</sup>	Discrete Fracture Modeling approach for simulating coupled thermo-hydro-mechanical effects in fractured reservoirs. <b>2019</b> , 122, 104075  Unloading-induced rock fracture activation and maximum seismic moment prediction. <b>2019</b> , 262, 105352  Finite Thickness of Shear Bands in Frictional Viscoplasticity and Implications for Lithosphere	11 29
73 <sup>1</sup> 73 <sup>0</sup> 729	Discrete Fracture Modeling approach for simulating coupled thermo-hydro-mechanical effects in fractured reservoirs. <b>2019</b> , 122, 104075  Unloading-induced rock fracture activation and maximum seismic moment prediction. <b>2019</b> , 262, 105352  Finite Thickness of Shear Bands in Frictional Viscoplasticity and Implications for Lithosphere Dynamics. <b>2019</b> , 20, 5598-5616	11 29 8
73 <sup>1</sup> 73 <sup>0</sup> 729 728	Discrete Fracture Modeling approach for simulating coupled thermo-hydro-mechanical effects in fractured reservoirs. 2019, 122, 104075  Unloading-induced rock fracture activation and maximum seismic moment prediction. 2019, 262, 105352  Finite Thickness of Shear Bands in Frictional Viscoplasticity and Implications for Lithosphere Dynamics. 2019, 20, 5598-5616  Constitutive Laws for Etnean Basement and Edifice Lithologies. 2019, 124, 10074-10088  First-principles Investigation of Frictional Characteristics of Brucite: An Application to Its	11 29 8

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708	Orientation of Hydraulic Fracture Initiation from Perforated Horizontal Wellbores. 2019,	5
707	A Numerical Model for the Effect of Permeability Change on Faulting During Fluid Injection. <b>2019</b> , 124, 2080-2101	5

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619	A normal-faulting stress regime in the Bavarian Foreland Molasse Basin? New evidence from detailed analysis of leak-off and formation integrity tests in the greater Munich area, SE-Germany. <b>2019</b> , 755, 1-9	6
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616	Neocrystallization of clay minerals in the Alhama de Murcia Fault (southeast Spain): implications for fault mechanics. <b>2019</b> , 54, 1-13	4
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580	Stress regime changes in the Main Boundary Thrust zone, Eastern Himalaya, decoded from fault-slip analysis. <b>2019</b> , 120, 29-47	11
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575	An Objective Criterion for Selection of the Best Option in Hansen Method for Paleostress Estimation from Homogeneous Fault-Slip Data. <i>Pure and Applied Geophysics</i> , <b>2019</b> , 176, 1731-1766	.2 1
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	Middle Miocene evolution and structural style of the Diapir Fold Zone, Eastern Carpathian Bend	, in the second
57°	Middle Miocene evolution and structural style of the Diapir Fold Zone, Eastern Carpathian Bend Zone, Romania: insights from scaled analogue modelling. <b>2020</b> , 490, 267-284  Compressional metamorphic core complexes, low-angle normal faults and extensional fabrics in	3
57° 569	Middle Miocene evolution and structural style of the Diapir Fold Zone, Eastern Carpathian Bend Zone, Romania: insights from scaled analogue modelling. 2020, 490, 267-284  Compressional metamorphic core complexes, low-angle normal faults and extensional fabrics in compressional tectonic settings. 2020, 157, 101-118  Change of stress patterns during 2004 MW 9.3 off-Sumatra mega-event: Insights from ridgellrench interaction for plate margin deformation. 2020, 55, 372-389  From Natural Stresses in Seismic Zones to Predictions of Megaearthquake Nucleation Zones. <i>Pure</i>	3
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57° 569 568 567	Middle Miocene evolution and structural style of the Diapir Fold Zone, Eastern Carpathian Bend Zone, Romania: insights from scaled analogue modelling. 2020, 490, 267-284  Compressional metamorphic core complexes, low-angle normal faults and extensional fabrics in compressional tectonic settings. 2020, 157, 101-118  Change of stress patterns during 2004 MW 9.3 off-Sumatra mega-event: Insights from ridgellrench interaction for plate margin deformation. 2020, 55, 372-389  From Natural Stresses in Seismic Zones to Predictions of Megaearthquake Nucleation Zones. Pure and Applied Geophysics, 2020, 177, 421-440  Temporal and Spatial Evolution of Load/Unload Response Ratio Before the M7.0 Jiuzhaigou	3 11 4
57° 569 568 567 566	Middle Miocene evolution and structural style of the Diapir Fold Zone, Eastern Carpathian Bend Zone, Romania: insights from scaled analogue modelling. 2020, 490, 267-284  Compressional metamorphic core complexes, low-angle normal faults and extensional fabrics in compressional tectonic settings. 2020, 157, 101-118  Change of stress patterns during 2004 MW 9.3 off-Sumatra mega-event: Insights from ridgeBrench interaction for plate margin deformation. 2020, 55, 372-389  From Natural Stresses in Seismic Zones to Predictions of Megaearthquake Nucleation Zones. Pure and Applied Geophysics, 2020, 177, 421-440  Temporal and Spatial Evolution of Load/Unload Response Ratio Before the M7.0 Jiuzhaigou Earthquake of Aug. 8, 2017 in Sichuan Province. Pure and Applied Geophysics, 2020, 177, 321-331  Trichonis basin, western central Greece: is it an immature basin in the Corinth Rift or a pull-apart in	3 11 4 .2 3

562	Mechanical controls on horizontal stresses and fracture behaviour in layered rocks: A numerical sensitivity analysis. <b>2020</b> , 130, 103907	8
561	Dynamic Modelling of Induced Seismicity by Using Seismic Efficiency Constraints and a New Scaling Law for Slip-Weakening Distance. <i>Pure and Applied Geophysics</i> , <b>2020</b> , 177, 637-659	2
560	The Physics of Changing Tectonic Regimes: Implications for the Temporal Evolution of Mantle Convection and the Thermal History of Venus. <b>2020</b> , 125, e2019JE005960	17
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556	Scale matters: The influence of structural inheritance on fracture patterns. <b>2020</b> , 130, 103896	7
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544	Effect of Fluid Viscosity on Fault Reactivation and Coseismic Weakening. 2020, 125, e2019JB018883	9
543	How a strong low-angle normal fault formed: The Whipple detachment, southeastern California. <b>2020</b> , 132, 1817-1828	4
542	Fault failure modes, deformation mechanisms, dilation tendency, slip tendency, and conduits v. seals. <b>2020</b> , 496, 75-98	9
54 <sup>1</sup>	The Hoek-Brown Failure criterion <b>E</b> rom theory to application. <b>2020</b> ,	4
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537	Seismicity, Fault Slip Rates, and Fault Interactions in a Fault System. <b>2020</b> , 125, e2019JB017379	2
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535	Initial effective stress controls the nature of earthquakes. <b>2020</b> , 11, 5132	21
535	Initial effective stress controls the nature of earthquakes. 2020, 11, 5132  The Deep Structure and Rheology of a Plate Boundary-Scale Shear Zone: Constraints from an Exhumed Caledonian Shear Zone, NW Scotland. 2020, 2020,	21 10
	The Deep Structure and Rheology of a Plate Boundary-Scale Shear Zone: Constraints from an	
534	The Deep Structure and Rheology of a Plate Boundary-Scale Shear Zone: Constraints from an Exhumed Caledonian Shear Zone, NW Scotland. <b>2020</b> , 2020,	10
534	The Deep Structure and Rheology of a Plate Boundary-Scale Shear Zone: Constraints from an Exhumed Caledonian Shear Zone, NW Scotland. 2020, 2020,  Interlayer energy of pyrophyllite: Implications for macroscopic friction. 2020, 105, 1204-1211  Computation of direction dependent joint surface parameters through the algorithm of triangular	10 0
534 533 532	The Deep Structure and Rheology of a Plate Boundary-Scale Shear Zone: Constraints from an Exhumed Caledonian Shear Zone, NW Scotland. 2020, 2020,  Interlayer energy of pyrophyllite: Implications for macroscopic friction. 2020, 105, 1204-1211  Computation of direction dependent joint surface parameters through the algorithm of triangular prism surface area method: A theoretical and experimental study. 2020, 202, 895-911  A universal method for quantitatively evaluating rock brittle-ductile transition behaviors. 2020,	10 0
534 533 532 531	The Deep Structure and Rheology of a Plate Boundary-Scale Shear Zone: Constraints from an Exhumed Caledonian Shear Zone, NW Scotland. 2020, 2020,  Interlayer energy of pyrophyllite: Implications for macroscopic friction. 2020, 105, 1204-1211  Computation of direction dependent joint surface parameters through the algorithm of triangular prism surface area method: A theoretical and experimental study. 2020, 202, 895-911  A universal method for quantitatively evaluating rock brittle-ductile transition behaviors. 2020, 195, 1077774  Correlation Between Poroelastic Stress Perturbation and Multidisposal Wells Induced Earthquake	10 0 3
534 533 532 531 530	The Deep Structure and Rheology of a Plate Boundary-Scale Shear Zone: Constraints from an Exhumed Caledonian Shear Zone, NW Scotland. 2020, 2020,  Interlayer energy of pyrophyllite: Implications for macroscopic friction. 2020, 105, 1204-1211  Computation of direction dependent joint surface parameters through the algorithm of triangular prism surface area method: A theoretical and experimental study. 2020, 202, 895-911  A universal method for quantitatively evaluating rock brittle-ductile transition behaviors. 2020, 195, 107774  Correlation Between Poroelastic Stress Perturbation and Multidisposal Wells Induced Earthquake Sequence in Cushing, Oklahoma. 2020, 47, e2020GL089366	10 0 3 2

526	Applying Conservation of Energy to Estimate Earthquake Frequencies from Strain Rates and Stresses. <b>2020</b> , 125, e2020JB020186	0
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520	Structural Geology: A Quantitative Introduction. <b>2020</b> , 379-420	
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454	Plume-Induced Subduction Initiation: Single-Slab or Multi-Slab Subduction?. <b>2020</b> , 21, e2019GC008663	12
453	The 3-D Spatial Distribution of Shear Strain Energy Changes Associated With the 2016 Kumamoto Earthquake Sequence, Southwest Japan. <b>2020</b> , 47, e2019GL086369	3
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445	The Altotiberina Low-Angle Normal Fault (Italy) Can Fail in Moderate-Magnitude Earthquakes as a Result of Stress Transfer from Stable Creeping Fault Area. <b>2020</b> , 10, 144	1
444	Appendix F Physical Properties of Lavas and Magmas. <b>2020</b> , 572-574	
443	The 2017 Mw 5.5 Pohang Earthquake, South Korea, and Poroelastic Stress Changes Associated With Fluid Injection. <b>2020</b> , 125, e2019JB019134	13
442	Parametric analysis of the elastohydrodynamic lubrication efficiency on induced seismicity. <b>2020</b> , 222, 517-525	2
441	Rupture Propagation along Stepovers of Strike-Slip Faults: Effects of Initial Stress and Fault Geometry. <b>2020</b> , 110, 1011-1024	7
440	StickBlip behaviour of mortarEock interface under high loading rate. <b>2021</b> , 174, 19-32	0
439	Major faulting in London: evidence for inherited basement faults in the London Basin. <b>2021</b> , 54, qjegh2018-19	93 <sub>7</sub>
438	Fracture Prevention Following Offshore Well Blowouts: Selecting the Appropriate Capping Stack Shut-In Strategy. <b>2021</b> , 36, 232-244	0
437	An overview of earthquake and seismic-wave mechanics. <b>2021</b> , 39-63	

436 Earthquake rupture and source time functions. **2021**, 485-513

435	A review of the physical and mechanical properties of volcanic rocks and magmas in the brittle and ductile regimes. <b>2021</b> , 153-238	3
434	The effect of a gouge layer on rupture propagation along brittle shear fractures in deep and high-stress mines. <b>2021</b> , 137, 104454	1
433	Description of the reservoir along strike-slip fault zones in China T-Sh oilfield, Tarim Basin. <b>2021</b> , 36, 1	4
432	A Geomechanical Evaluation of Fault Reactivation Using Analytical Methods and Numerical Simulation. <b>2021</b> , 54, 695-719	2
431	Three-dimensional numerical simulation of the interseismic and coseismic phases associated with the 6 April 2009, Mw 6.3 L'Aquila earthquake (Central Italy). <b>2021</b> , 798, 228685	5
430	A Systematic Approach to Mapping Regimes of Earthquake-Induced Static Stress Changes Acting on Magmatic Pathways. <b>2021</b> , 126,	1
429	Fracture evolution in oil-rich rhyolitic lavas of the Hailar Basin, northeastern China. <b>2021</b> , 124, 104811	О
428	Integrated Stress Field Estimation and Implications for Enhanced Geothermal System Development in Acoculco, Mexico. <b>2021</b> , 89, 101931	5
427	A new interpretation for formation of orthogonal joints in quartz sandstone. <b>2021</b> , 13, 289-299	4
426	Pressure-to-Depth Conversion Models for Metamorphic Rocks: Derivation and Applications. <b>2021</b> , 22,	3
425	Numerical analysis of interseismic, coseismic and post-seismic phases for normal and reverse faulting earthquakes in Italy. <b>2021</b> , 225, 627-645	4
424	Experimental Investigation on Shear Behavior of Intact Sandstones under Constant Normal Stiffness Conditions. <b>2021</b> , 21, 04020259	3
423	Geomechanical evaluation of a middle Cambrian unconventional oil and gas play in the southern Georgina Basin, northern Australia. <b>2021</b> , 68, 697-716	1
422	Timescales of successful and failed subduction: insights from numerical modelling. <b>2021</b> , 225, 261-276	
421	Bibliography. <b>2021</b> , 559-569	
420	Strength models of the terrestrial planets and implications for their lithospheric structure and evolution. <b>2021</b> , 8,	6
419	Hydro-Mechanical Coupling. <b>2021</b> , 23-60	

418	Stress and pore fluid pressure control of seismicity rate changes following the 2016 Kumamoto earthquake, Japan. <b>2021</b> , 73,	2
417	Encyclopedia of Solid Earth Geophysics. <b>2021</b> , 884-893	1
416	Stick-slip nucleation triggering of Wenchuan earthquake. <b>2021</b> , 12, 11-20	1
415	If Not Brittle: Ductile, Plastic, or Viscous?. <b>2021</b> , 92, 1181-1184	1
414	Analogue model of the Bala Rud Fault, Zagros: an oblique basement ramp in a fold-and-thrust belt. <b>2021</b> , 110, 741-755	1
413	New Insights into the Lateral-Strength Variations and Depth to the Brittle-Ductile Transition Zone in NW Iberia. <b>2021</b> , 40, e2020TC006493	
412	Modeling Intra-Caldera Resurgence Settings: Laboratory Experiments With Application to the Los Humeros Volcanic Complex (Mexico). <b>2021</b> , 126, e2020JB020438	5
411	In situ stress measurement and analysis of the stress accumulation levels in coal mines in the northern Ordos Basin, China. <b>2021</b> , 8, 1316	4
410	Tectonic Inversion and Geomorphic Evolution of the Algerian Margin Since Messinian Times: Insights From New Onshore/Offshore Analog Modeling Experiments. <b>2021</b> , 40, e2020TC006369	3
409	Segment-Scale Seismicity of the Ultraslow Spreading Knipovich Ridge. <b>2021</b> , 22, e2020GC009375	3
408	Modelling fluid injection-induced fracture activation, damage growth, seismicity occurrence and connectivity change in naturally fractured rocks. <b>2021</b> , 138, 104598	15
407	Rheology of the Fluid Oversaturated Fault Zones at the Brittle-Plastic Transition. <b>2021</b> , 126, e2020JB020804	3
406	Structural Significance of the Mid-level Dcollement Within the Western Sichuan Fold-And-Thrust Belt (WSFTB), Insights From Sandbox Modeling. 9,	1
405	Experimental Plastic Reactivation of Pseudotachylyte-Filled Shear Zones. <b>2021</b> , 48, e2020GL091538	
404	Stress State Inferred from b Value and Focal Mechanism Distributions in the Aftershock Area of the 2005 West Off Fukuoka Prefecture Earthquake. <i>Pure and Applied Geophysics</i> , <b>2021</b> , 178, 1165-1179	1
403	Fluid Overpressurization of Rock Fractures: Experimental Investigation and Analytical Modeling. <b>2021</b> , 54, 3039-3050	6
402	Shear deformation of nano- and micro-crystalline olivine at seismic slip rates. <b>2021</b> , 802, 228736	1
401	Finite-difference numerical analysis of faulting and accompanying seismicity near the Chuya and Kurai depressions, Gorny Altai, Russia. <b>2021</b> , 803, 228703	O

400	On the Source Parameters and Genesis of the 2017, Mw 4 Montesano Earthquake in the Outer Border of the Val dAgri Oilfield (Italy). <b>2021</b> , 8,	2
399	Evaluation and application of conductivity of strike slip faults in China Shunbei reservoir, Tarim Basin. <b>2021</b> , 14, 1	1
398	Tectonic constraints on formation and evolution of microplates in the Indian and Pacific Oceans: reviews and statistical inferences. <b>2021</b> , 25, 799	
397	Frictional stability of porous tuff breccia under subsurface pressure conditions and implications for shallow seismicity. <b>2021</b> , 73,	
396	Seismic Strain Rate and Flexure at the Hawaiian Islands Constrain the Frictional Coefficient. <b>2021</b> , 22, e2020GC009547	1
395	Physics-Based Evaluation of the Maximum Magnitude of Potential Earthquakes Induced by the Hutubi (China) Underground Gas Storage. <b>2021</b> , 126, e2020JB021379	2
394	Hydro-mechanical measurements and x-ray imaging of sheared crystalline rock fractures from EGS Collab experiments 1 & 2.	
393	Dependence of earthquake faulting type on fault strike across the Korean Peninsula: Evidence for weak faults and comparison with the Japanese Archipelago. <b>2021</b> , 804, 228757	Ο
392	The Physical Mesomechanics of the Earthquake Source. <b>2021</b> , 24, 343-356	2
391	Economic and fault stability analysis of geothermal field development in direct-use hydrothermal reservoirs. <b>2021</b> , 9,	2
390	Structure of the Tectonic Front of the Western Alps: Control of Fluid Pressure and Halite Occurrence on the Decollement Processes. <b>2021</b> , 40, e2020TC006591	2
389	Numerical investigation of the influence of discontinuity orientations on fault permeability evolution and slip displacement. <b>2021</b> , 7, 1	3
388	The Influence of Loading Path on Fault Reactivation: A Laboratory Perspective. 2021, 48, e2020GL091466	1
387	Seismotectonic implications of the 2020 Samos, Greece, Mw 7.0 mainshock based on high-resolution aftershock relocation and source slip model. <b>2021</b> , 69, 979-996	9
386	A comparative study of oriented perforating and fracture initiation in seven shale gas plays. <b>2021</b> , 88, 103801	Ο
385	Compactive Deformation of Sandstone Under Crustal Pressure and Temperature Conditions. <b>2021</b> , 126, e2020JB020202	Ο
384	Coupled Rapid Erosion and Foreland Sedimentation Control Orogenic Wedge Kinematics in the Himalayan Thrust Belt of Central Nepal. <b>2021</b> , 126, e2020JB021256	4
383	Inheritance of Penetrative Basement Anisotropies by Extension-Oblique Faults: Insights From Analogue Experiments. <b>2021</b> , 40, e2020TC006596	4

382	Decomposition of elastic potential energy and a rational metric for aftershock generation. <b>2021</b> , 227, 162-168	O
381	The role of shale content and pore-water saturation on frictional properties of simulated carbonate faults. <b>2021</b> , 807, 228811	4
380	3-D thermal regime and dehydration processes around the regions of slow earthquakes along the Ryukyu Trench. <b>2021</b> , 11, 11251	O
379	Effects of multi-seamount subduction on accretionary wedge deformation: Insights from analogue modelling. <b>2021</b> , 145, 101842	O
378	Influence of realistic rheological properties on the style of mantle convection: roles of dynamic friction and depth-dependence of rheological properties. <b>2021</b> , 226, 1986-1996	2
377	Controls of fault geometry and thermal stress on fault slip modes: Implications for permeability enhancement and injection-induced seismicity. <b>2021</b> , 6, 392-392	2
376	Shear strength of a shear zone in the brittle-plastic transition based on tensorial strain partitioning. <b>2021</b> , 146, 104313	
375	Fault reactivation and propagation during the 2017 Pohang earthquake sequence. <b>2021</b> , 92, 102048	6
374	Frictional Anisotropy of 3D-Printed Fault Surfaces. <b>2021</b> , 9,	2
373	Inversion for the static friction coefficient of seismogenic faults: Application to induced seismicity of the Basel Enhanced Geothermal System, Switzerland. <b>2021</b> , 145, 101843	
372	Relationship between channel flow initiation and crustal viscosity in convergent settings: an analog modeling approach. <b>2021</b> , 110, 2057-2064	3
371	Slab Temperature Evolution Over the Lifetime of a Subduction Zone. <b>2021</b> , 22, e2020GC009476	6
370	Geologic and Structural Evolution of the NE Lau Basin, Tonga: Morphotectonic Analysis and Classification of Structures Using Shallow Seismicity. <b>2021</b> , 9,	2
369	The influence of water on the shear behaviors of intact sandstone. <b>2021</b> , 80, 6077-6091	1
368	Simple shear origin of the cross-faults ruptured in the 2019 Ridgecrest earthquake sequence. <b>2021</b> , 14, 513-518	6
367	Influence of Shear Heating and Thermomechanical Coupling on Earthquake Sequences and the Brittle-Ductile Transition. <b>2021</b> , 126, e2020JB021394	2
366	A globally fragmented and mobile lithosphere on Venus. <b>2021</b> , 118,	12
365	Unravelling the hydro-mechanical evolution of a porphyry-type deposit by using vein structures. <b>2021</b> , 133, 104074	3

364	Structural Control of High-Grade Gold Shoots at the Reward Mine, Hill End, New South Wales, Australia. <b>2021</b> , 116, 909-935	О
363	Frictional properties of basalt experimental faults and implications for volcano-tectonic settings and geo-energy sites. <b>2021</b> , 811, 228883	2
362	Estimation of Absolute Stress in the Hypocentral Region of the 2019 Ridgecrest, California, Earthquakes. <b>2021</b> , 126, e2021JB022000	3
361	The Strait of Messina: Seismotectonics and the source of the 1908 earthquake. <b>2021</b> , 218, 103685	5
360	A workflow to assess the efficacy of brine extraction for managing injection-induced seismicity potential using data from a CO2 injection site near Decatur, Illinois. <b>2021</b> , 109, 103393	0
359	Propagation of Vertical Fractures through Planetary Ice Shells: The Role of Basal Fractures at the IceDcean Interface and Proximal Cracks. <b>2021</b> , 2, 135	3
358	Characterization of in-situ stresses and its implications for production and reservoir stability in the depleted El Morgan hydrocarbon field, Gulf of Suez rift basin, Egypt. <b>2021</b> , 148, 104355	18
357	Normal fault reactivation during multiphase extension: Analogue models and application to the Turkana depression, East Africa. <b>2021</b> , 811, 228870	6
356	Oceanic transform fault seismicity and slip mode influenced by seawater infiltration. 2021, 14, 606-611	6
355	Role of hydro-mechanical coupling in excavation-induced damage propagation, fracture deformation and microseismicity evolution in naturally fractured rocks. <b>2021</b> , 289, 106169	5
354	Rock engineering challenges in post-mining. <b>2021</b> , 833, 012002	
353	Analysis of the influence of joint direction on production optimization in enhanced geothermal systems. <b>2021</b> , 11, 3437-3449	Ο
352	Modeling Lithospheric Deformation Using a Compressible Visco-Elasto-Viscoplastic Rheology and the Effective Viscosity Approach. <b>2021</b> , 22, e2021GC009675	4
351	Using Syntectonic Calcite Veins to Reconstruct the Strength Evolution of an Active Low-Angle Normal Fault, Woodlark Rift, SE Papua New Guinea. <b>2021</b> , 126, e2021JB021916	O
350	Reactivation Potential of Intraplate Faults in the Western Quebec Seismic Zone, Eastern Canada. <b>2021</b> , 8, e2021EA001825	2
349	Hydrothermal silicification in the intraplate Samambaia seismogenic fault, Brazil: Implications for fault loss of cohesion and healing in rifted crust. <b>2021</b> , 815, 229002	1
348	Mechanical properties of quartz sand and gypsum powder (plaster) mixtures: Implications for laboratory model analogues for the Earth's upper crust. <b>2021</b> , 814, 228976	1
	Geomechanical Implications of Reservoir Depletion vis-^-vis Post-Blowout Well Capping: A Gulf of	

346	Scale Dependence of Earthquake Rupture Prestress in Models With Enhanced Weakening: Implications for Event Statistics and Inferences of Fault Stress. <b>2021</b> , 126, e2021JB021886	2
345	Yield failure of the subducting plate at the Mariana Trench. <b>2021</b> , 814, 228944	2
344	Convergence Velocity Controls on the Structural Evolution of Orogens. <b>2021</b> , 40, e2020TC006570	
343	Reconciling lithospheric rheology between laboratory experiments, field observations and different tectonic settings.	O
342	Temperature and strain-rate dependence of brittle rock deformation: Experimental study on Mohr-Coulomb failure criterion and Byerlee law for a low-porosity sandstone. <b>2021</b> ,	
341	Lithospheric strength variations and seismotectonic segmentation below the Sea of Marmara. <b>2021</b> , 815, 228999	1
340	Power-law relationship between joint spacing and bed thickness in sedimentary rocks and implications for layered rock mechanics. <b>2021</b> , 150, 104413	1
339	Observation-constrained multicycle dynamic models of the Pingding Shan earthquake gate along the Altyn Tagh Fault. <b>2021</b> , 814, 228948	1
338	Quantitative evaluation of caprock sealing controlled by fault activity and hydrocarbon accumulation response: K gasfield in the Xihu Depression, East China Sea Basin. <b>2021</b> , 105352	1
337	The role of tectonic inheritance in the development of a fold-thrust belt and superimposed rift: An example from the So Francisco basin, eastern Brazil. <b>2021</b> , 815, 228979	
336	Mafic Archean continental crust prohibited exhumation of orogenic UHP eclogite. <b>2021</b> , 12, 101225	1
335	Characteristics of in situ stress field in the Huainan mining area, China and its control factors. <b>2021</b> , 80, 1	1
334	Plate motion and plume-induced subduction initiation. <b>2021</b> , 98, 277-288	2
333	Mechanics-based formulation for modeling of ultra high-performance fiber reinforced concrete material using bonded discrete elements. <b>2021</b> , 245, 112950	
332	The 2019 September 24, Mw = 6, Mirpur earthquake, NW Himalaya: Geodetic evidence for shallow, near-horizontal dcollement rupture of the Main Himalayan Thrust. <b>2021</b> , 816, 229013	2
331	The stabilizing effect of high pore-fluid pressure along subduction megathrust faults: Evidence from friction experiments on accretionary sediments from the Nankai Trough. <b>2021</b> , 574, 117161	4
330	Roughness Evaluation for Distinguishing Fresh and Sheared Rock Joint Surfaces with Different Sampling Intervals. <b>2021</b> , 21,	3
329	Geothermal exploration and reservoir modelling of the United Downs deep geothermal project, Cornwall (UK). <b>2021</b> , 97, 102226	4

328	Hydro-mechanical simulation and analysis of induced seismicity for a hydraulic stimulation test at the Reykjanes geothermal field, Iceland. <b>2021</b> , 97, 102223	5
327	A Semianalytical Modeling Approach for Hydraulic Fracture Initiation and Orientation from Perforated Wells. <b>2021</b> , 36, 501-515	1
326	Source rupture model of the 2018 MW6.7 Iburi, Hokkaido earthquake from joint inversion of strong motion and InSAR observations. <b>2021</b> , 34, 88-101	
325	Potential Influences of Middle and Lower Crustal Flow on Landscape Evolution: Insights From the Himalayan-Tibetan Orogen. <b>2021</b> ,	1
324	Encyclopedia of Complexity and Systems Science. <b>2009</b> , 7853-7872	5
323	Frictional Sliding of Cold Ice: A Fundamental Process Underlying Tectonic Activity Within Icy Satellites. <b>2013</b> , 171-181	1
322	Review of the Fractal Character of Natural Fault Surfaces with Implications for Friction and the Evolution of Fault Zones. <b>1995</b> , 89-105	20
321	What Does Control Earthquake Ruptures and Dynamic Faulting? A Review of Different Competing Mechanisms. <b>2009</b> , 741-776	4
320	Fractals, Fault-Gouge, and Friction. <b>1989</b> , 255-271	6
319	Constitutive Behavior and Stability of Frictional Sliding of Granite. <b>1986</b> , 383-414	
	Constitutive Behavior and Stability of Friedonal Stability of Granice. 1700, 303 414	4
318	Effects of Temperature and Sliding Rate on Frictional Strength of Granite. <b>1986</b> , 445-469	1
318	Effects of Temperature and Sliding Rate on Frictional Strength of Granite. <b>1986</b> , 445-469	1
318	Effects of Temperature and Sliding Rate on Frictional Strength of Granite. <b>1986</b> , 445-469  Seismicity Simulation with a Rate- and State-Dependent Friction Law. <b>1986</b> , 487-513	1
318 317 316	Effects of Temperature and Sliding Rate on Frictional Strength of Granite. 1986, 445-469  Seismicity Simulation with a Rate- and State-Dependent Friction Law. 1986, 487-513  Production-induced Normal Faulting in the Valhall and Ekofisk Oil Fields. 2002, 403-420  Mantle Convection Modeling with Viscoelastic/Brittle Lithosphere: Numerical Methodology and	1 2 11
318 317 316 315	Effects of Temperature and Sliding Rate on Frictional Strength of Granite. 1986, 445-469  Seismicity Simulation with a Rate- and State-Dependent Friction Law. 1986, 487-513  Production-induced Normal Faulting in the Valhall and Ekofisk Oil Fields. 2002, 403-420  Mantle Convection Modeling with Viscoelastic/Brittle Lithosphere: Numerical Methodology and Plate Tectonic Modeling. 2002, 2335-2356	1 2 11 2
318 317 316 315 314	Effects of Temperature and Sliding Rate on Frictional Strength of Granite. 1986, 445-469  Seismicity Simulation with a Rate- and State-Dependent Friction Law. 1986, 487-513  Production-induced Normal Faulting in the Valhall and Ekofisk Oil Fields. 2002, 403-420  Mantle Convection Modeling with Viscoelastic/Brittle Lithosphere: Numerical Methodology and Plate Tectonic Modeling. 2002, 2335-2356  On the Initiation of Subduction Zones. 1989, 7-25	1 2 11 2 8

310	First Steps Towards Modeling a Multi-Scale Earth System. <b>2009</b> , 1-25	2
309	A Review of the Role of Subduction Dynamics for Regional and Global Plate Motions. <b>2009</b> , 3-34	31
308	Physical Modeling of Arctontinent Collision: A Review of 2D, 3D, Purely Mechanical and Thermo-Mechanical Experimental Models. <b>2011</b> , 445-473	13
307	Investigating Deep Lithospheric Structures. <b>2014</b> , 269-391	1
306	Encyclopedia of Earthquake Engineering. <b>2015</b> , 728-746	10
305	Encyclopedia of Earthquake Engineering. <b>2015</b> , 1-21	12
304	The Role of Continental Scientific Drilling in Studies of Earthquakes, Crustal Deformation, and Lithospheric Dynamics. <b>1990</b> , 70-89	1
303	Regional Variations in Lithosphere Rheology from Heat Flow Observations. <b>1991</b> , 1-22	21
302	Fracture Processes Induced by Forced Fluid Percolation. <b>1992</b> , 407-431	10
301	Temperatures at the Base of the Seismogenic Crust Beneath Long Valley Caldera, California, and the Phlegrean Fields Caldera, Italy. <b>1992</b> , 432-461	26
300	Multiphase Extensional Structures, Fault Reactivation, and Petroleum Plays in the Alpine Foreland Basin of Southeastern France. <b>1994</b> , 245-268	21
299	Transfer Zone in the Southern Jura Thrust Belt (Eastern France): Geometry, Development, and Comparison with Analogue Modeling Experiments. <b>1994</b> , 327-346	26
298	Friction, Cohesion, and Slope Stability. <b>2011</b> , 23-52	4
297	Interior and Surface Dynamics of Terrestrial Bodies and their Implications for the Habitability. <b>2013</b> , 203-233	3
296	The Exhumation of Cross Sections of the Continental Crust: Structure, Kinematics and Rheology. <b>1990</b> , 485-507	6
295	Some Experiments on Block Rotation in the Brittle Upper Crust. <b>1989</b> , 145-155	8
294	Regional Deformation by Block Translation and Rotation. <b>1989</b> , 181-208	12
293	On the mechanics of plate boundary formation. <b>1988</b> , 363-387	5

292	Earthquake faulting, induced fluid flow, and fault-hosted gold-quartz mineralization. <b>1992</b> , 603-614	14
291	Numerical Modeling of Realistic Fault Rupture Processes. <b>1987</b> , 91-151	6
290	THIN-SKINNED DEFORMATION OVER SALT. <b>1987</b> , 301-337	23
289	Strike-slip reactivation of a high-angle normal fault induced by increase of reservoir pore pressure: insight from 3D coupled reservoir-geomechanical modeling. <b>2020</b> , 102, 103159	4
288	Cataclasis and silt smear on normal faults in weakly lithified turbidites. 2018, 117, 44-57	6
287	Structural Geology: A Quantitative Introduction. <b>2020</b> ,	5
286	Unconventional Reservoir Geomechanics: Shale Gas, Tight Oil, and Induced Seismicity. 2019,	52
285	Introduction to Numerical Geodynamic Modelling. 2019,	27
284	The Mechanics of Earthquakes and Faulting. <b>2019</b> ,	162
283	Geologic Fracture Mechanics. 2019,	7
283	Geologic Fracture Mechanics. 2019,  Analogue scale models of pluton emplacement during transpression in brittle and ductile crust. 2000, 91, 111-121	7
	Analogue scale models of pluton emplacement during transpression in brittle and ductile crust.	
282	Analogue scale models of pluton emplacement during transpression in brittle and ductile crust. <b>2000</b> , 91, 111-121  Reactivation, trishear modeling, and folded basement in Laramide uplifts: Implications for the	13
282	Analogue scale models of pluton emplacement during transpression in brittle and ductile crust. 2000, 91, 111-121  Reactivation, trishear modeling, and folded basement in Laramide uplifts: Implications for the origins of intra-continental faults. 2003, 13, 4	13 39
282 281 280	Analogue scale models of pluton emplacement during transpression in brittle and ductile crust. 2000, 91, 111-121  Reactivation, trishear modeling, and folded basement in Laramide uplifts: Implications for the origins of intra-continental faults. 2003, 13, 4  Tectonic stress field of North America and relative plate motions. 339-366	13 39 36
282 281 280 279	Analogue scale models of pluton emplacement during transpression in brittle and ductile crust.  2000, 91, 111-121  Reactivation, trishear modeling, and folded basement in Laramide uplifts: Implications for the origins of intra-continental faults. 2003, 13, 4  Tectonic stress field of North America and relative plate motions. 339-366  Hydrothermal circulation and the thermal structure of shallow subduction zones. 2017, 13, 1425-1444  Lithologic, geomorphic, and permafrost controls on recent landsliding in the Alaska Range. 2020,	13 39 36
282 281 280 279 278	Analogue scale models of pluton emplacement during transpression in brittle and ductile crust.  2000, 91, 111-121  Reactivation, trishear modeling, and folded basement in Laramide uplifts: Implications for the origins of intra-continental faults. 2003, 13, 4  Tectonic stress field of North America and relative plate motions. 339-366  Hydrothermal circulation and the thermal structure of shallow subduction zones. 2017, 13, 1425-1444  Lithologic, geomorphic, and permafrost controls on recent landsliding in the Alaska Range. 2020, 16, 1479-1494  Seismic and aseismic weakening effects in transtension: field and microstructural observations on	13 39 36 11 3

274	Propagation of uncertainty from effective-diffusion flow to microseismicity. 2014,	1
273	Characterization of Stress-field Variation on Subsurface Faults in Surrounding Areas of Hydraulic Fracturing. <b>2013</b> ,	2
272	Thermo- and hydro-mechanical processes along faults during rapid slip. <b>2009</b> , 3-16	12
271	Gravity-driven Fold Belts on Passive Margins. <b>2004</b> , 159-184	3
270	Relation between temporal change of fault rock materials and mechanical properties. <b>2016</b> , 52, 847-861	11
269	Expedition 314 methods.	4
268	Characterization of productive fractures based on geomechanical study at Yufutsu fractured reservoir. <b>2012</b> , 77, 50-60	1
267	On the Reactivation of the Pre-Existing Normal Fault. <b>2018</b> , 08, 210-217	1
266	On the Orientation of Fractures with Transpressional and Transtensional Wrenches in Pre-Existing Faults. <b>2020</b> , 10, 199-209	1
265	Stress field orientation controls on fault leakage at a natural CO<sub>2</sub> reservoir. <b>2020</b> , 11, 1361-1374	2
264	Cyclic fracturing during spine extrusion at Unzen volcano, Japan.	4
263	Seismogenic Framework for Hydrothermal Transport and Ore Deposition. <b>2001</b> , 25-50	17
262	Reliability Improvement of Probabilistic Fault Displacement Hazard Analysis. <b>2014</b> , 14, 2_16-2_36	3
261	Laboratory studies of slip along faults as a physical basis for a new approach to short-term earthquake prediction. <b>2018</b> , 9, 671-691	4
260	On the structure and formation of earthquake sources in the faults located in the subsurface and deep levels of the crust. Part II. Deep level. <b>2018</b> , 9, 1039-1061	5
259	Cambios estructurales causados por los buzamientos de rampas laterales en cinturones fallados y plegados. <b>2021</b> , 43,	
258	Determining Stress State of Source Media with Identified Difference between Groundwater Level during Loading and Unloading Induced by Earth Tides. <b>2021</b> , 13, 2843	O
257	Contemporary kinematics in the eastern Tibetan Plateau: Insights from 3D geomechanical modeling. <b>2021</b> , 819, 229109	2

256	On the competition of interplate shear and surface erosion at convergent plate boundaries. <b>2000</b> , 11-19	
255	Frictional Mechanics of Seismogenic Thrust Systems in the Upper Continental CrustImplications for Fluid Overpressures and Redistribution. <b>2004</b> , 1-17	3
254	Wedge Mechanics: Relation with Subduction Zone Earthquakes and Tsunamis. 2009, 55-69	
253	Encyclopedia of Complexity and Systems Science. <b>2009</b> , 10047-10058	O
252	Spatio-temporal Slip, and Stress Level on the Faults within the Western Foothills of Taiwan: Implications for Fault Frictional Properties. <b>2009</b> , 1853-1884	
251	Mechanisms of Slip Weakening and Healing in Glass at Co-Seismic Slip Rates. <b>2011</b> , 387-399	
250	Wedge Mechanics: Relation with Subduction Zone EarthquakesSubduction zone earthquake and TsunamisTsunami. <b>2011</b> , 1207-1218	
249	Extreme Environmental Events. <b>2011</b> , 805-824	1
248	Frictional Strengths and Fluid-Flow Properties of Granite-Origin Fault Gouges. <b>2011</b> , 127, 165-168	1
247	As propriedades friccionais de areias de quartzo (natural e colorida): medidas efetuadas em experimentos f\( \begin{aligned} \) ico-anal\( \begin{aligned} \) icos e em um ring-shear tester. <b>2011</b> , 64, 289-298	O
246	A New Cladding System Using Low Strength Sandstone in Precast Concrete Panels for Building Fa\(\text{B}\)des. <b>2012</b> , 749-756	
245	References. <b>2012</b> , 417-442	
244	Case Study on Stability Assessment of Pre-existing Fault at CO2Geologic Storage. <b>2013</b> , 23, 13-30	3
243	Drilling Into the San Andreas Fault. 59-73	
242	Interrelationship Between Sediment Fabric, Pore Volume Variations as Indicator for Pore Pressure Changes, and Sediment Shear Strength. <b>2014</b> , 85-94	1
241	Friction-dependent Slip Behavior of Imgok Fault under the Present-day Stress Field. <b>2013</b> , 23, 217-225	
240	On the mechanism of earthquake. <b>2014</b> , 63, 219101	
239	Scientific Drilling to Study Physical Properties and the State of Stress in the Earth Crust: An Opportunity for Mid-Crustal Measurements Near the San Andreas Fault. <b>1985</b> , 132-140	

238	Deep Stress Measurements: A Key to Understanding Crustal Tectonics. <b>1990</b> , 377-387	
237	Stress Fields due to Reverse Faults and Some Related Seismic Activities <b>1993</b> , 44, 91-104	
236	An Earthquake Instability Model Based on Faults Containing High Fluid-pressure Compartments. <b>1995</b> , 717-745	
235	Dynamic Interactions between Crustal Shortening, Extension, and Magmatism in the North American Cordillera. <b>1996</b> , 447-467	1
234	Constraints on Melt Production Rate Beneath the Mid-ocean Ridges Based on Passive Flow Models. <b>1996</b> , 589-620	
233	Static stress changes and earthquake triggering during the 1954 Fairview Peak and Dixie Valley earthquakes, central Nevada. <b>1997</b> , 87, 521-527	46
232	Properties and implications of dynamic rupture along a material interface. <b>1998</b> , 88, 1085-1094	111
231	Nature of Crustal Reflectivity along the DEKORP Profiles in Germany in Comparison with Reflection Patterns from Different Tectonic Units Worldwide: A Review. <b>1999</b> , 7-28	
230	Elastic and Viscoelastic Response of the Lithosphere to Surface Loading. 2015, 661-677	
229	Influence on Earthquake Distributions in Slabs from Bimaterial Shear Heating. 157-167	1
228	An equivalent continuum approach for the assessment of geological fault reactivation in hydrocarbon reservoirs. <b>2016</b> ,	
227	References. 398-445	
226	Calculation of temperature distribution and rheological properties of the lithosphere along Profile 1 passing through Aswan. <b>2017</b> , 47, 69-80	
225	Special Session II Complete Session. <b>2017</b> ,	
224	Calculation of temperature distribution and rheological properties of the lithosphere along geotransect in the Red Sea region. <b>2017</b> , 47, 277-286	
223	ANALYSIS OF DEEP STRESS FIELD USING WELL LOG AND WELLBORE BREAKOUT DATA: A CASE STUDY IN CRETACEOUS OIL RESERVOIR, SOUTHWEST IRAN. <b>2018</b> , 44, 113-128	O
223		O

## (2020-2019)

220	Background Stress State Before the 2008 Wenchuan Earthquake and the Dynamics of the Longmen Shan Thrust Belt. <b>2019</b> , 97-106	
219	A benchmark experiment for analogue modeling of extensional basin formation and evaluation of applicability of centrifuge test. <b>2018</b> , 54, 605-614	1
218	Palaeo and In-Situ Stress Analysis of the Perth Basin: Implications for subsurface fluid flow. <b>2019</b> ,	
217	Data report: permeability, porosity, and frictional strength of core samples from IODP Expedition 366 in the Mariana forearc.	
216	Preface. <b>2019</b> , xi-xv	
215	Chapter 2: The Dynamics of Permeability Enhancement and Fluid Flow in Overpressured, Fracture-Controlled Hydrothermal Systems. <b>2020</b> , 25-82	2
214	Mountain height might be controlled by tectonic force, rather than erosion. <b>2020</b> , 582, 189-190	0
213	Structural Geology: A Quantitative Introduction. <b>2020</b> , 184-220	
212	Structural Geology: A Quantitative Introduction. <b>2020</b> , xv-xvii	
211	Structural Geology: A Quantitative Introduction. <b>2020</b> , 301-345	
210	Structural Geology: A Quantitative Introduction. <b>2020</b> , x-xiv	
209	Structural Geology: A Quantitative Introduction. <b>2020</b> , 103-220	
208	Structural Geology: A Quantitative Introduction. <b>2020</b> , 223-257	
207	Evolution of Fault Zones and Its Rheology. <b>2020</b> , 129, 473-489	2
206	Heterogeneity of Stress Field in NE Japan and Implications for Fault Strength and Earthquake Occurrence Mechanism. <b>2020</b> , 129, 451-471	4
205	Structural assessment and geochemistry of thermal waters at the Cerro Machin Volcano (Colombia): An approach to understanding the geothermal system. <b>2020</b> , 400, 106910	O
204	Laboratory Simulation of Injection-Induced Shear Slip on Saw-Cut Sandstone Fractures under Different Boundary Conditions. 1	1
203	TECTONOPHYSICAL STUDY OF THE VERKHOVOI FAULT ACTIVITY ON THE NORTHERN SLOPE OF THE KYRGIZ RIDGE. <b>2020</b> , 11, 770-784	

- 202 Lithosphere, Mechanical Properties. 2020, 1-10
- 201 The Effects of Planetary and Stellar Parameters on Brittle Lithospheric Thickness. 2021, 126, e2021JE006952 1
- 200 Dilatancy Toughening of Shear Cracks and Implications for Slow Rupture Propagation. 2021, 126, e2021JB022239
- 199 Preferred orientation of montmorillonite reduces friction by holding water.
- How Fault Rocks Form and Evolve in the Shallow San Andreas Fault. **2021**, 22, e2021GC010092
- 197 Structural Geology: A Quantitative Introduction. 2020, 144-183
- 196 Structural Geology: A Quantitative Introduction. 2020, 221-420
- 195 Structural Geology: A Quantitative Introduction. 2020, 105-143
- 194 Structural Geology: A Quantitative Introduction. 2020, 346-378
- 193 Structural Geology: A Quantitative Introduction. 2020, xviii-xviii
- 192 Structural Geology: A Quantitative Introduction. **2020**, 23-102
- 191 Structural Geology: A Quantitative Introduction. 2020, 1-22
- 190 Structural Geology: A Quantitative Introduction. 2020, 421-427
- 189 Structural Geology: A Quantitative Introduction. **2020**, 258-300
- 188 Index. 2020, 428-434
- Control of pre-existing fabric in fracture formation, reactivation and vein emplacement under variable fluid pressure conditions: an example from Archean greenstone belt, India. **2020**, 11, 1227-1246
- 186 Tables 5 9, Figs. 5 13. 183-195
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184 3.2.3.1 Introduction. 205-213

183	3.2.4 References for 3.2. 233-238	
182	Frictional Behaviour, Wear and Comminution of Synthetic Porous Geomaterials. 8,	3
181	Inversion of polyphase calcite-twin data for deviatoric stress tensors: 2. Application to the Huangling Dome, northern South China. <b>2020</b> , 138, 104089	2
180	Upper bounds on near-source peak ground motion based on a model of inhomogeneous faulting. <b>1982</b> , 72, 1825-1841	14
179	Characteristics of the aftershock sequence of the Borah Peak, Idaho, earthquake determined from digital recordings of the events. <b>1985</b> , 75, 1265-1284	28
178	Inferences about the local stress field from focal mechanisms: Applications to earthquakes in the southern Great Basin of Nevada. <b>1986</b> , 76, 1560-1572	13
177	The stress and strain state of Yalahe fault in the Kangding segment of the Xianshuihe fault zone and its seismogenic environment. <b>2021</b> , 37, 3225-3240	
176	Petrological and geochemical characteristics and deformation behavior of the Beichuan section of the Wenchuan Earthquake Fault Zone. <b>2021</b> , 37, 3145-3166	0
175	Multiphase rheology as a cause for stick-slip like melt extraction. <b>2022</b> , 577, 117269	
174	Paleostress Inversion Techniques - Pages 247-260. <b>2022</b> , 247-260	
173	One step beyond: Full determination of paleostress tensors. <b>2022</b> , 199-219	
172	Theoretical aspects. <b>2022</b> , 25-59	
171	What comes first: The fault or the ductile shear zone?. <b>2022</b> , 577, 117273	1
170	THMD analysis of fluid injection-induced fault reactivation and slip in EGS. 2022, 99, 102303	0
169	Compaction, strain, and stress anisotropy in porous rocks. <b>2022</b> , 8, 1	
168	Signature of transition to supershear rupture speed in the coseismic off-fault damage zone <b>2021</b> , 477, 20210364	2
167	The effects of plateau subduction on plate bending, stress and intraplate seismicity.	О

166	Frictional behavior of planar and rough granite fractures subjected to normal load oscillations of different amplitudes. <b>2021</b> ,		2
165	Fluid Conductivity of Natural Shear Fractures in Vicinity of a Production Well During Directional Unloading. <b>2022</b> , 239-251		
164	Competition between 3D structural inheritance and kinematics during rifting: Insights from analogue models.		1
163	Variation in the brittle-ductile transition of Longmaxi shale in the Sichuan Basin, China: The significance for shale gas exploration. <b>2021</b> , 209, 109858		3
162	Introduction. <b>2021</b> , 1-40		
161	Geomechanics of Glacially Triggered Faulting. <b>2021</b> , 20-40		1
160	Modelling of Glacially Induced Faults and Stress. <b>2021</b> , 381-416		
159	Glacial Isostatic Adjustment Models for Earthquake Triggering. <b>2021</b> , 383-401		2
158	Fault roughness controls sliding instability. <b>2022</b> , 579, 117365		О
157	Failure criterion considering high temperature treatment for rocks from a micromechanical perspective. <b>2022</b> , 118, 103226		2
156	Bibliographie. <b>2016</b> , 229-236		
155	Fault rock heterogeneity can produce fault weakness and reduce fault stability <b>2022</b> , 13, 326		2
154	Longitudinal mechanical response of tunnels under active normal faulting. 2022,		1
153	Earthquake Depth Frequency Distribution in the Baikal Rift System. <i>Pure and Applied Geophysics</i> , <b>2022</b> , 179, 619	2.2	
152	Insights into seismicity from the perspective of the crustal stress field: a comment. 2022, 111, 1153		Ο
151	Changes in Fault Slip Potential Due to Water Injection in the Rongcheng Deep Geothermal Reservoir, Xiong In New Area, North China. <b>2022</b> , 14, 410		O
150	DEM Analyses of Cemented Granular Fault Gouges at the Onset of Seismic Sliding: Peak Strength, Development of Shear Zones and Kinematics. <i>Pure and Applied Geophysics</i> , <b>2022</b> , 179, 679	2.2	2
149	From Crystals to Crustal-Scale Seismic Anisotropy: Bridging the Gap Between Rocks and Seismic Studies With Digital Geologic Map Data in Colorado. <b>2022</b> , 41,		1

148	Lithology and Fault-Related Stress Variations Along the TCDP Boreholes: The Stress State Before and After the 1999 Chi-Chi Earthquake. <b>2022</b> , 127,	
147	Internal friction in the Earth' crust and transverse seismic waves. <b>2022</b> , 8, 84-97	
146	Hydro-Mechanical Measurements of Sheared Crystalline Rock Fractures With Applications for EGS Collab Experiments 1 and 2. <b>2022</b> , 127,	1
145	Incipient ocean spreading beneath the Arabian shield. <b>2022</b> , 226, 103955	O
144	The gardening process of lunar regolith by small impact craters: A case study in Chang'E-4 landing area. <b>2022</b> , 377, 114908	2
143	Contemporary stress field in and around a gold mine area adjacent to the Bohai Sea, China, and its seismological implications. <b>2022</b> , 81, 1	2
142	Controls of the Foreland Deformation Pattern in the Orogen-Foreland Shortening System: Constraints from High-Resolution Geodynamic Models.	
141	A study on the evaluation of geological sweet spots in the super deep strike slip fault controlled reservoir. <b>2022</b> , 212, 110262	O
140	Discussion. <b>2022</b> , 193-232	
139	Effect of Joint Orientation and Weathering on Static Stability of Rock Slope Having Transmission Tower. <b>2022</b> , 237-250	
138	Role of Geomechanics in Successful Pilot Evaluation of Unconventional Play in Kuwait. 2022,	
137	Weak, Seismogenic Faults Inherited From Mesozoic Rifts Control Mountain Building in the Andean Foreland. <b>2022</b> , 23,	Ο
136	How Alpine seismicity relates to lithospheric strength. 1	1
135	Frictional controls on the seismogenic zone: Insights from the Apenninic basement, Central Italy. <b>2022</b> , 583, 117444	O
134	Stress State in the Source Region of Mw2.2 Earthquake in a Deep Gold Mine in South Africa Determined from Borehole Cores. <i>Pure and Applied Geophysics</i> , 1  2.2	
133	Is clustered seismicity an indicator of regional stress? Insights from earthquake sequences in Yongning-Luguhu faulted basin, Southwest China. <b>2022</b> , 100138	O
132	The rheology and deformation of the South Tibetan Detachment System as exposed at Zherger La, east-central Himalaya: Implications for exhumation of the Himalayan metamorphic core. <b>2022</b> , 157, 104559	
131	Spatial orientations of hydraulically conductive shear natural fractures for an arbitrary stress state: An analytical study of governing geomechanical factors. <b>2022</b> , 212, 110288	1

130	Effects of fracture network distribution on excavation-induced coupled responses of pore pressure perturbation and rock mass deformation. <b>2022</b> , 145, 104670	2
129	Investigations and new insights on earthquake mechanics from fault slip experiments. 2022, 228, 104019	2
128	Main engineering problems and countermeasures in ultra-long-distance rock pipe jacking project: Water pipeline case study in Chongqing. <b>2022</b> , 123, 104420	1
127	Detailed mapping and paleostress analysis of active faults in the northern Vettore <b>B</b> ove fault zone, Sibillini Mountains, Italy. <b>2022</b> ,	
126	Boulder displacements along rocky coasts: A new deterministic and theoretical approach to improve incipient motion formulas. <b>2022</b> , 407, 108217	1
125	Size effect in true mode II fracturing of rocks: Theory and experiment. <b>2022</b> , 94, 104593	O
124	Regional Heat Flow Analysis Reveals Frictionally Weak Dead Sea Fault. <b>2021</b> , 22,	1
123	New granular rock-analogue materials for simulation of multi-scale fault and fracture processes. 1-24	O
122	Low-effective fault strength of a blind detachment beneath the Indo-Burmese Arc (NE-India) induced by frictional liscous flow. <b>2022</b> , 131,	1
121	Poroelastic stress triggered seismic activity in the Changning shale gas hydraulic fracturing region, Sichuan Basin, China.	
120	datasheet1.docx. 2020,	
119	Structural Controls on Crustal Fluid Redistribution and Hydrothermal Gold Deposits: A Review on the Suction Pump and Fault Valve Models. <b>2022</b> , 55, 183-195	O
118	Assessing the role of absolute stress measurement and relative stress real-time monitoring for earthquake research. <b>2022</b> , 15,	0
117	Bayesian Inference of Seismogenic Stress for the 2016 Mw 7.8 Kaikūra, New Zealand, Earthquake.	
116	Study on fault slip dynamic response and rock burst potential under the influence of different horizontal stresses. <b>2022</b> , 13, 1321-1341	2
115	Spatial and temporal stress field changes in the focal area of the 2016 Kaikūra earthquake, New Zealand: A multi-fault process interpretation. <b>2022</b> , 229390	
114	The CO2CRC Otway shallow CO2 controlled release experiment: Fault characterization and geophysical monitoring design. <b>2022</b> , 103667	
113	Strain Localization in Magmas. <b>2022</b> , 87, 721-765	2

112	Frictional Melting in Magma and Lava. <b>2022</b> , 87, 919-963	1
111	The weakening of inter-particle friction and its effect on mechanical behaviors of granular soils. <b>2022</b> , 147, 104764	
110	Current stress field and its relationship to tectonism in a coal mining district, central China, for underground coal energy exploration. <b>2022</b> , 8, 5313-5328	1
109	The mechanics of initiation and development of thrust faults and thrust ramps. 2022, 59, 47-75	
108	Preventing instabilities and inducing controlled, slow-slip in frictionally unstable systems.	0
107	3D thermal and rheological models of the southern RB de la Plata Craton (Argentina): implications for the initial stage of the Colorado rifting and the evolution of Sierras Australes.	O
106	Estimation of the maximum earthquakes magnitude based on potential brittle volume and strain rate: The Italy test case. <b>2022</b> , 229405	1
105	Rupture styles linked to recurrence patterns in seismic cycles with a compliant fault zone. <b>2022</b> , 591, 117593	1
104	What causes the spatiotemporal patterns of seismicity in the Three Gorges Reservoir area, central China?. <b>2022</b> , 592, 117618	
103	Gouge fabrics reset by thermal pressurization record stress on faults after earthquakes.	O
102	Methane Gas Refined Fault Theory for Cause of Tectonic Earthquakes. 2023, 375-389	
101	Working with Dynamic Earthquake Rupture Models: A Practical Guide. <b>2022</b> , 93, 2096-2110	1
100	Thermodynamic constraints on the composition of orogenically thickened lower crust.	
99	What controlled the thickness of continental crust in the Archean?.	1
98	Large-Scale Troughs on Asteroid 4 Vesta Accommodate Opening-Mode Displacement. <b>2022</b> , 127,	1
97	Spatial and Temporal Stress Variations before and after the 2008 Wenchuan M w 7.9 Earthquake and its Implications: Study based on Borehole Stress Data.	
_		
96	Evolution Characteristics and Mechanism of the Load/Unload Response Ratio Based on Strain Observation Before the Jiuzhaigou MS7.0 Earthquake. 10,	1

94	Analogue sandbox modeling of orogenic wedge front faulting: Roles of inherited fault zones and topographic loading. <b>2022</b> , 104666	
93	Structural Controls on Mineralization within the Huanggou Gold Deposit in the Southern Mesozoic Xuefengshan Orogen, South China. <b>2022</b> , 12, 751	Ο
92	Faults and Fractures Evolution Along Strike-Slip Zones: The Role of Rheology Revealed by Piv Analysis of Analog Modeling.	
91	Impact of Tohoku-Oki 3.11 M9.0 Earthquake on the Fault Slip Potential of the Active Quaternary Faults in Beijing City: New Insights from In Situ Stress Monitoring Data. <b>2022</b> , 22, 4888	1
90	Glacial Isostatic Adjustment: Physical Models and Observational Constraints.	0
89	Determination of Parameters Characteristic of Dynamic Weakening Mechanisms During Seismic Faulting in Cohesive Rocks. <b>2022</b> , 127,	3
88	Absolute tectonic stress inversion in the 2016 M w 7.0 Kumamoto earthquake source region using topography and rupture models.	
87	Structural inheritance in the Chukchi shelf, Alaska. <b>2022</b> , 143, 105812	O
86	Laboratory evidence for slip evolution of granite fractures due to chemical stimulation in geothermal reservoirs. <b>2022</b> , 306, 106773	О
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84	Modified Hoek <b>B</b> rown failure criterion for anisotropic intact rock under high confining pressures. <b>2022</b> , 81,	О
83	Mechanism for seismic supershear dynamic rupture based on in-situ stress: a case study of the Palu earthquake in 2018. <b>2022</b> , 13, 1987-2005	
82	The influence of bedrock river morphology and alluvial cover on gravel entrainment: Part 2. Modelling critical shear stress.	0
81	A possible characteristic of foreshocks derived from the evaluation of loading/unloading induced by earth tides. 10,	
80	Borehole observation-based in situ stress state estimation of the Los Humeros geothermal field (Mexico). <b>2022</b> , 100392	
79	Contemporary kinematics along the Xianshuihe-Xiaojiang fault system: Insights from numerical simulation. <b>2022</b> , 839, 229545	O
78	3D Stress-Ratio-Based Method on the Tendency Analysis of Mining-Induced Fault Reactivation. <b>2022</b> , 22,	
77	Techno-economic performance optimization of hydrothermal doublet systems: Application to the Al Wajh basin, Western Saudi Arabia. <b>2022</b> , 105, 102532	

76	Thermal and rheological structure of lithosphere beneath Northeast China. 2022, 840, 229560	0
75	Quartz rheology constrained from constant-load experiments: Consequences for the strength of the continental crust. <b>2022</b> , 597, 117814	О
74	An energy-based theory of rock faulting. <b>2022</b> , 597, 117818	O
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72	Geomechanical analysis of an oil field: Numerical study of wellbore stability and reservoir subsidence. <b>2022</b> ,	0
71	Will Earth's next supercontinent assemble through the closure of the Pacific Ocean?.	o
70	Modelling seismicity pattern of reservoir-induced earthquakes including poroelastic stressing and nucleation effects. <b>2022</b> , 232, 739-749	0
69	Influence of Grain-Scale Properties on Localization Patterns and Slip Weakening within Dense Granular Fault gouges.	О
68	Time-dependent decrease in fault strength in the 2011I016 IbarakiBukushima earthquake sequence. <b>2022</b> , 232, 788-809	O
67	Earthquake Focal Mechanisms as a Stress Meter of Active Volcanoes. <b>2022</b> , 49,	О
66	Multiscale lithospheric buckling dominates the Cenozoic subsidence and deformation of the Qaidam Basin: A new model for the growth of the northern Tibetan Plateau. <b>2022</b> , 234, 104201	O
65	Frictional behavior and micro-damage characteristics of rough granite fractures. <b>2022</b> , 842, 229589	O
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63	A Challenge for Making a Risk Map of Lost Circulation Based on Geomechanical Evaluation in a Complex Carbonate Reservoir in Offshore Abu Dhabi. <b>2022</b> ,	О
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59	Temperature distribution for interplate seismic events in the southcentral Alaska subduction zone based on 3-D thermomechanical modeling. <b>2022</b> , 843, 229604	1

58	Presentation of the Universal Discontinuity index (UDi) system and its application to predict the geometry of over-excavation along a tunnel at New El Teniente mine. <b>2022</b> , 311, 106901	O
57	Y-B-P-R or S-C-C?? Suggestion for the nomenclature of experimental brittle fault fabric in phyllosilicate-granular mixtures. <b>2022</b> , 165, 104743	O
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55	First insights to the seismic response of the fractured Carboniferous limestone reservoir at the Balmatt geothermal doublet (Belgium). <b>2023</b> , 107, 102585	O
54	How Friction and Pore-Fluid Pressure Conditions Controlled by Fault Mineral Composition Affect Earthquake Rupture Propagation.	О
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40	Influence of rheologically weak layers on fault architecture: insights from analogue models in the context of the Northern Alpine Foreland Basin. <b>2022</b> , 115,	О
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38	Integrated mechanical environment of pre- and post-rupture fault and asperity origin of the 2011 giant Tohoku-Oki earthquake. <b>2022</b> , 12,	О
37	Transition From Slow to Fast Injection-Induced Slip of an Experimental Fault in Granite Promoted by Elevated Temperature. <b>2022</b> , 49,	О
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35	Fault Reactivation in Response to Saltwater Disposal and Hydrocarbon Production for the Venus, TX, Mw 4.0 Earthquake Sequence.	О
34	Stress Inversion and Fault Instability in the Source Region of the 2021 (MS 5.0) Yingjiang Earthquake. <b>2023</b> , 13, 957	О
33	Source parameters of Koyna earthquakes, India. <b>1998</b> , 88, 833-842	8
32	Dip range for intracontinental reverse fault ruptures: Truth not stranger than friction?. <b>1998</b> , 88, 1014-1022	4
31	An approach to determine brittle upper crustal thinning: Insights into crustal extension discrepancy in the central part of Qiongdongnan Basin. 10,	О
30	Fault strength and rupture process controlled by fault surface topography. 2023, 16, 94-100	1
29	Laboratory Study on Fluid-Induced Fracture Slip and Permeability Evolution in Marble Fractures.	О
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-)	initiative of Manite Rheology of the Porthadion of Place Tectoric Style of Manite Convection. 2023, 67-61	О
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12	Mid-Ocean Ridges: Geodynamics Written in the Seafloor. <b>2023</b> , 483-510  Structures evolution along strike-slip fault zones: The role of rheology revealed by PIV analysis of	1
12 11	Mid-Ocean Ridges: Geodynamics Written in the Seafloor. <b>2023</b> , 483-510  Structures evolution along strike-slip fault zones: The role of rheology revealed by PIV analysis of analog modeling. <b>2023</b> , 851, 229764  How do inherited dip-slip faults affect the development of new extensional faults? Insights from	1 O
12 11 10	Mid-Ocean Ridges: Geodynamics Written in the Seafloor. 2023, 483-510  Structures evolution along strike-slip fault zones: The role of rheology revealed by PIV analysis of analog modeling. 2023, 851, 229764  How do inherited dip-slip faults affect the development of new extensional faults? Insights from wet clay analog models. 2023, 169, 104836	1 0
12 11 10	Mid-Ocean Ridges: Geodynamics Written in the Seafloor. 2023, 483-510  Structures evolution along strike-slip fault zones: The role of rheology revealed by PIV analysis of analog modeling. 2023, 851, 229764  How do inherited dip-slip faults affect the development of new extensional faults? Insights from wet clay analog models. 2023, 169, 104836  Geodynamics of continental rift initiation and evolution. 2023, 4, 235-253  A study on reservoir space type of Ordovician ultra-deep marine carbonate reservoir in T-Sh	1 0 0
12 11 10 9	Mid-Ocean Ridges: Geodynamics Written in the Seafloor. 2023, 483-510  Structures evolution along strike-slip fault zones: The role of rheology revealed by PIV analysis of analog modeling. 2023, 851, 229764  How do inherited dip-slip faults affect the development of new extensional faults? Insights from wet clay analog models. 2023, 169, 104836  Geodynamics of continental rift initiation and evolution. 2023, 4, 235-253  A study on reservoir space type of Ordovician ultra-deep marine carbonate reservoir in T-Sh Oilfield, Tarim basin.  Influence of Grain-Scale Properties on Localization Patterns and Slip Weakening Within Dense	1 0 0

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1	₩₩?????????????????????????. <b>2023</b> , 48, 1421	O