Thomas H Jordan

List of Publications by Year in Descending Order

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

166 papers	14,280 citations	67 h-index	117 g-index
170 ext. papers	15,523 ext. citations	6.5 avg, IF	6.45 L-index

#	Paper	IF	Citations
166	A unified probabilistic framework for volcanic hazard and eruption forecasting. *Natural Hazards and Earth System Sciences*, **2021**, 21, 3509-3517	3.9	3
165	Stress–strain characterization of seismic source fields using moment measures of mechanism complexity. *Geophysical Journal International*, **2021**, 227, 591-616	2.6	
164	Toward Physics-Based Nonergodic PSHA: A Prototype Fully Deterministic Seismic Hazard Model for Southern California. *Bulletin of the Seismological Society of America*, **2021**, 111, 898-915	2.3	7
163	Operational Earthquake Forecasting during the 2019 Ridgecrest, California, Earthquake Sequence with the UCERF3-ETAS Model. *Seismological Research Letters*, **2020**, 91, 1567-1578	3	6
162	Frank Press, A life of magnitude. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 9138-9141	11.5	
161	Representation of complex seismic sources by orthogonal moment-tensor fields. *Geophysical Journal International*, **2019**, 216, 1867-1889	2.6	2
160	Tectonic Regionalization of the Southern California Crust From Tomographic Cluster Analysis. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 11840-11865	3.6	6
159	Frequency-Dependent Attenuation of P and S Waves in Southern California. *Journal of Geophysical Research: Solid Earth*, **2018**, 123, 5814-5830	3.6	5
158	Experimental concepts for testing probabilistic earthquake forecasting and seismic hazard models. *Geophysical Journal International*, **2018**, 215, 780-798	2.6	4
157	A physics-based earthquake simulator replicates seismic hazard statistics across California. *Science Advances*, **2018**, 4, eaau0688	14.3	25
156	Effective-Medium Models of Inner-Core Anisotropy. *Journal of Geophysical Research: Solid Earth*, **2018**, 123, 5793-5813	3.6	2
155	The Collaboratory for the Study of Earthquake Predictability: Achievements and Priorities. *Seismological Research Letters*, **2018**, 89, 1305-1313	3	44
154	Highlights from the First Ten Years of the New Zealand Earthquake Forecast Testing Center. *Seismological Research Letters*, **2018**, 89, 1229-1237	3	12
153	The Forecasting Skill of Physics-Based Seismicity Models during the 2010–2012 Canterbury, New Zealand, Earthquake Sequence. *Seismological Research Letters*, **2018**, 89, 1238-1250	3	27
152	A Spatiotemporal Clustering Model for the Third Uniform California Earthquake Rupture Forecast (UCERF3-ETAS): Toward an Operational Earthquake Forecast. *Bulletin of the Seismological Society of America*, **2017**, 107, 1049-1081	2.3	71
151	rvGAHP **2017**,		1
150	A Synoptic View of the Third Uniform California Earthquake Rupture Forecast (UCERF3). *Seismological Research Letters*, **2017**, 88, 1259-1267	3	56

149	Stochastic representations of seismic anisotropy: transversely isotropic effective media models. *Geophysical Journal International*, **2017**, 209, 1831-1850	2.6	3
148	The SCEC Unified Community Velocity Model Software Framework. *Seismological Research Letters*, **2017**, 88, 1539-1552	3	29
147	The Potential Uses of Operational Earthquake Forecasting: Table 1. *Seismological Research Letters*, **2016**, 87, 313-322	3	29
146	Validation of the SCEC Broadband Platform V14.3 Simulation Methods Using Pseudospectral Acceleration Data. *Seismological Research Letters*, **2015**, 86, 39-47	3	44
145	Time-Dependent Renewal-Model Probabilities When Date of Last Earthquake is Unknown. *Bulletin of the Seismological Society of America*, **2015**, 105, 459-463	2.3	13
144	Long-Term Time-Dependent Probabilities for the Third Uniform California Earthquake Rupture Forecast (UCERF3). *Bulletin of the Seismological Society of America*, **2015**, 105, 511-543	2.3	124
143	An effective medium theory for three-dimensional elastic heterogeneities. *Geophysical Journal International*, **2015**, 203, 1343-1354	2.6	11
142	Unified Structural Representation of the southern California crust and upper mantle. *Earth and Planetary Science Letters*, **2015**, 415, 1-15	5.3	107
141	Varenna workshop report. Operational earthquake forecasting and decision making. *Annals of Geophysics*, **2015**, 58,	1.1	3
140	Uniform California Earthquake Rupture Forecast, Version 3 (UCERF3)--The Time-Independent Model. *Bulletin of the Seismological Society of America*, **2014**, 104, 1122-1180	2.3	276
139	Full-3-D tomography for crustal structure in Southern California based on the scattering-integral and the adjoint-wavefield methods. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 6421-6451	3.6	130
138	Testing for ontological errors in probabilistic forecasting models of natural systems. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 11973-8	11.5	44
137	Operational Earthquake Forecasting Can Enhance Earthquake Preparedness. *Seismological Research Letters*, **2014**, 85, 955-959	3	60
136	Complexities of Transform Fault Plate Boundaries in the Oceans. *Geodynamic Series*, **2013**, 219-241		2
135	Regional Earthquake Likelihood Models I: First-Order Results. *Bulletin of the Seismological Society of America*, **2013**, 103, 787-798	2.3	53
134	Convergence depths of tectonic regions from an ensemble of global tomographic models. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 4196-4225	3.6	13
133	Bayesian Forecast Evaluation and Ensemble Earthquake Forecasting. *Bulletin of the Seismological Society of America*, **2012**, 102, 2574-2584	2.3	51
132	Rapid full-wave centroid moment tensor (CMT) inversion in a three-dimensional earth structure model for earthquakes in Southern California. *Geophysical Journal International*, **2011**, 186, 311-330	2.6	26

131	CyberShake: A Physics-Based Seismic Hazard Model for Southern California. *Pure and Applied Geophysics*, **2011**, 168, 367-381	2.2	224
130	Metrics for heterogeneous scientific workflows: A case study of an earthquake science application. *International Journal of High Performance Computing Applications*, **2011**, 25, 274-285	1.8	21
129	The ShakeOut earthquake scenario: Verification of three simulation sets. *Geophysical Journal International*, **2010**, 180, 375-404	2.6	90
128	Resolving fault plane ambiguity for small earthquakes. *Geophysical Journal International*, **2010**, 181, 493-501	2.6	15
127	Perturbation kernels for generalized seismological data functionals (GSDF). *Geophysical Journal International*, **2010**, 183, 869-883	2.6	10
126	Operational Earthquake Forecasting: Some Thoughts on Why and How. *Seismological Research Letters*, **2010**, 81, 571-574	3	66
125	Distribution of seismicity across strike-slip faults in California. *Journal of Geophysical Research*, **2010** , 115,		66
124	Scalable Earthquake Simulation on Petascale Supercomputers **2010**,		70
123	First Results of the Regional Earthquake Likelihood Models Experiment. *Pure and Applied Geophysics*, **2010**, 167, 859-876	2.2	78
122	The Area Skill Score Statistic for Evaluating Earthquake Predictability Experiments. *Pure and Applied Geophysics*, **2010**, 167, 893-906	2.2	14
121	Scaling up workflow-based applications. *Journal of Computer and System Sciences*, **2010**, 76, 428-446	1	34
120	First Results of the Regional Earthquake Likelihood Models Experiment **2010**, 5-22		3
119	The Area Skill Score Statistic for Evaluating Earthquake Predictability Experiments **2010**, 39-52		0
118	The Collaboratory for the Study of Earthquake Predictability perspective on computational earthquake science. *Concurrency Computation Practice and Experience*, **2009**, 22, 1836-1847	1.4	67
117	Toward petascale earthquake simulations. *Acta Geotechnica*, **2009**, 4, 79-93	4.9	9
116	Colorado Plateau magmatism and uplift by warming of heterogeneous lithosphere. *Nature*, **2009**, 459, 978-82	50.4	113
115	Uniform California Earthquake Rupture Forecast, Version 2 (UCERF 2). *Bulletin of the Seismological Society of America*, **2009**, 99, 2053-2107	2.3	152
114	The TeraShake Computational Platform for Large-Scale Earthquake Simulations. *Lecture Notes in Earth Sciences*, **2009**, 229-277		9

113	Testing alarm-based earthquake predictions. *Geophysical Journal International*, **2008**, 172, 715-724	2.6	103
112	Broadband simulations for Mw 7.8 southern San Andreas earthquakes: Ground motion sensitivity to rupture speed. *Geophysical Research Letters*, **2008**, 35,	4.9	55
111	Reducing Time-to-Solution Using Distributed High-Throughput Mega-Workflows - Experiences from SCEC CyberShake **2008**,		15
110	TeraShake2: Spontaneous Rupture Simulations of Mw 7.7 Earthquakes on the Southern San Andreas Fault. *Bulletin of the Seismological Society of America*, **2008**, 98, 1162-1185	2.3	54
109	Full three-dimensional tomography: a comparison between the scattering-integral and adjoint-wavefield methods. *Geophysical Journal International*, **2007**, 170, 175-181	2.6	101
108	Full 3D Tomography for the Crustal Structure of the Los Angeles Region. *Bulletin of the Seismological Society of America*, **2007**, 97, 1094-1120	2.3	160
107	Community Fault Model (CFM) for Southern California. *Bulletin of the Seismological Society of America*, **2007**, 97, 1793-1802	2.3	128
106	Stochastic analysis of shear-wave splitting length scales. *Earth and Planetary Science Letters*, **2007**, 259, 526-540	5.3	17
105	Visual insights into high-resolution earthquake Simulations. *IEEE Computer Graphics and Applications*, **2007**, 27, 28-34	1.7	8
104	Enabling Very-Large Scale Earthquake Simulations on Parallel Machines. *Lecture Notes in Computer Science*, **2007**, 46-53	0.9	10
103	Strain Green's Tensors, Reciprocity, and Their Applications to Seismic Source and Structure Studies. *Bulletin of the Seismological Society of America*, **2006**, 96, 1753-1763	2.3	64
102	Managing Large-Scale Workflow Execution from Resource Provisioning to Provenance Tracking: The CyberShake Example **2006**,		33
101	Earthquake Predictability, Brick by Brick. *Seismological Research Letters*, **2006**, 77, 3-6	3	130
100	Structural sensitivities of finite-frequency seismic waves: a full-wave approach. *Geophysical Journal International*, **2006**, 165, 981-990	2.6	21
99	Loss Estimates for a Puente Hills Blind-Thrust Earthquake in Los Angeles, California. *Earthquake Spectra*, **2005**, 21, 329-338	3.4	22
98	Foreshock sequences and short-term earthquake predictability on East Pacific Rise transform faults. *Nature*, **2005**, 434, 457-61	50.4	142
97	Frechet Kernels for Imaging Regional Earth Structure Based on Three-Dimensional Reference Models. *Bulletin of the Seismological Society of America*, **2005**, 95, 2066-2080	2.3	86
96	Physics of multiscale convection in Earth's mantle: Evolution of sublithospheric convection. *Journal of Geophysical Research*, **2004**, 109,		38

95	Physics of multiscale convection in Earth's mantle: Onset of sublithospheric convection. *Journal of Geophysical Research*, **2003**, 108,		74
94	Linear stability analysis of Richter rolls. *Geophysical Research Letters*, **2003**, 30,	4.9	14
93	On the state of sublithospheric upper mantle beneath a supercontinent. *Geophysical Journal International*, **2002**, 149, 179-189	2.6	29
92	Seismicity in Deep Gold Mines of South Africa: Implications for Tectonic Earthquakes. *Bulletin of the Seismological Society of America*, **2002**, 92, 1766-1782	2.3	77
91	Predominance of Unilateral Rupture for a Global Catalog of Large Earthquakes. *Bulletin of the Seismological Society of America*, **2002**, 92, 3309-3317	2.3	84
90	Onset of convection with temperature- and depth-dependent viscosity. *Geophysical Research Letters*, **2002**, 29, 29-1-29-4	4.9	18
89	On steady-state heat flow and the rheology of oceanic mantle. *Geophysical Research Letters*, **2002**, 29, 13-1-13-4	4.9	21
88	Teleseismic inversion for the second-degree moments of earthquake space-time distributions. *Geophysical Journal International*, **2001**, 145, 661-678	2.6	53
87	Effects of vertical boundaries on infinite Prandtl number thermal convection. *Geophysical Journal International*, **2001**, 147, 639-659	2.6	16
86	Structure of the Kaapvaal Craton from surface waves. *Geophysical Research Letters*, **2001**, 28, 2489-2492	4.9	74
85	Pelagic sedimentation on rough seafloor topography 2. Inversion results from the North Atlantic Acoustic Reverberation Corridor. *Journal of Geophysical Research*, **2001**, 106, 30451-30473		9
84	Pelagic sedimentation on rough seafloor topography 1. Forward Model. *Journal of Geophysical Research*, **2001**, 106, 30433-30449		18
83	Three-dimensional Frechet differential kernels for seismicdelay times. *Geophysical Journal International*, **2000**, 141, 558-576	2.6	169
82	How are vertical shear wave splitting measurements affected by variations in the orientation of azimuthal anisotropy with depth?. *Geophysical Journal International*, **2000**, 141, 374-390	2.6	118
81	Rupture dimensions of the 1998 Antarctic Earthquake from low-frequency waves. *Geophysical Research Letters*, **2000**, 27, 2305-2308	4.9	8
80	Further evidence for the compound nature of slow earthquakes: The Prince Edward Island earthquake of April 28, 1997. *Journal of Geophysical Research*, **2000**, 105, 7819-7827		23
79	Stability and dynamics of the continental tectosphere. *Lithos*, **1999**, 48, 115-133	2.9	84
78	The continental tectosphere and Earth's long-wavelength gravity field. *Lithos*, **1999**, 48, 135-152	2.9	45

77	Seismological structure of the upper mantle: a regional comparison of seismic layering. *Physics of the Earth and Planetary Interiors*, **1999**, 110, 21-41	2.3	127
76	Seismic structure of the upper mantle beneath the western Philippine Sea. *Physics of the Earth and Planetary Interiors*, **1999**, 110, 263-283	2.3	27
75	Testing plausible upper-mantle compositions using fine-scale models of the 410-km discontinuity. *Geophysical Research Letters*, **1999**, 26, 1641-1644	4.9	27
74	Stability and dynamics of the continental tectosphere. *Developments in Geotectonics*, **1999**, 24, 115-133		6
73	The continental tectosphere and Earth's long-wavelength gravity field. *Developments in Geotectonics*, **1999**, 24, 135-152		3
72	Sensitivity of frequency-dependent traveltimes to laterally heterogeneous, anisotropic Earth structure. *Geophysical Journal International*, **1998**, 133, 683-704	2.6	69
71	High-resolution, two-dimensional vertical tomography of the central Pacific mantle using ScS reverberations and frequency-dependent travel times. *Journal of Geophysical Research*, **1998**, 103, 17933-17971		82
70	How stratified is mantle convection?. *Journal of Geophysical Research*, **1997**, 102, 7625-7646		24
69	Seismic structure of the upper mantle in a central Pacific corridor. *Journal of Geophysical Research*, **1996**, 101, 22291-22309		143
68	Characterization of mantle convection experiments using two-point correlation functions. *Journal of Geophysical Research*, **1995**, 100, 6351-6365		13
67	Source time function of the Great 1994 Bolivia Deep Earthquake by waveform and spectral inversions. *Geophysical Research Letters*, **1995**, 22, 2253-2256	4.9	12
66	Mantle convection experiments with evolving plates. *Geophysical Research Letters*, **1995**, 22, 2223-2226	4.9	18
65	Lehmann discontinuity as the base of an anisotropic layer beneath continents. *Science*, **1995**, 268, 1468-71	33.3	190
64	Stochastic analysis of mantle convection experiments using two-point correlation functions. *Geophysical Research Letters*, **1994**, 21, 305-308	4.9	16
63	Teleseismic search for slow precursors to large earthquakes. *Science*, **1994**, 266, 1547-51	33.3	80
62	Comparisons between seismic Earth structures and mantle flow models based on radial correlation functions. *Science*, **1993**, 261, 1427-31	33.3	57
61	Quantifying the distribution and transport of pelagic sediments on young abyssal hills. *Geophysical Research Letters*, **1993**, 20, 2203-2206	4.9	21
60	Space geodetic measurement of crustal deformation in central and southern California, 1984–1992. *Journal of Geophysical Research*, **1993**, 98, 21677-21712		216

59	Reply [to "Comment on 'Mantle layering from ScS reverberations, 2, The transition zone' by Justin Revenaugh and Thomas H. Jordan"]. *Journal of Geophysical Research*, **1992**, 97, 17549		2
58	Generalized seismological data functionals. *Geophysical Journal International*, **1992**, 111, 363-390	2.6	124
57	Comparison of a stochastic seafloor model with SeaMARC II Bathymetry and Sea Beam data near the East Pacific Rise 13°-15°N. *Journal of Geophysical Research*, **1991**, 96, 3867-3885		20
56	Mapping the Tonga Slab. *Journal of Geophysical Research*, **1991**, 96, 14403-14427		71
55	Far-field detection of slow precursors to fast seismic ruptures. *Geophysical Research Letters*, **1991**, 18, 2019-2022	4.9	24
54	Seismic strain rate and deep slab deformation in Tonga. *Journal of Geophysical Research*, **1991**, 96, 14429-14444		28
53	Mantle layering from ScS reverberations: 2. The transition zone. *Journal of Geophysical Research*, **1991**, 96, 19763-19780		205
52	Mantle layering from ScS reverberations: 3. The upper mantle. *Journal of Geophysical Research*, **1991**, 96, 19781-19810		199
51	Mantle layering from ScS reverberations: 1. Waveform inversion of zeroth-order reverberations. *Journal of Geophysical Research*, **1991**, 96, 19749-19762		72
50	Mantle layering from ScS reverberations: 4. The lower mantle and core-mantle boundary. *Journal of Geophysical Research*, **1991**, 96, 19811-19824		41
49	Searching for slow and silent earthquakes using free oscillations. *Journal of Geophysical Research*, **1990**, 95, 2485		110
48	Geodetic measurement of tectonic deformation in the Santa Maria Fold and Thrust Belt, California. *Journal of Geophysical Research*, **1990**, 95, 2679		79
47	Some Speculations on Continental Evolution **1989**, 259-276		1
46	Stochastic modeling of seafloor morphology: A parameterized Gaussian model. *Geophysical Research Letters*, **1989**, 16, 45-48	4.9	34
45	A study of mantle layering beneath the western Pacific. *Journal of Geophysical Research*, **1989**, 94, 5787		86
44	Measuring Crustal Deformation in the American West. *Scientific American*, **1988**, 259, 48-55	0.5	20
43	Polarization anisotropy and fine-scale structure of the Eurasian Upper Mantle. *Geophysical Research Letters*, **1988**, 15, 824-827	4.9	27
42	Structure and Formation of the Continental Tectosphere. *Journal of Petrology*, **1988**, Special_Volume, 11-37	3.9	290

41	Seamount statistics in the Pacific Ocean. *Journal of Geophysical Research*, **1988**, 93, 2899		122
40	Seismic constraints on the morphology of deep slabs. *Journal of Geophysical Research*, **1988**, 93, 4773-4783		64
39	Stochastic Modeling of Seafloor Morphology: Inversion of Sea Beam Data for Second-Order Statistics. *Journal of Geophysical Research*, **1988**, 93, 13589-13608		319
38	Beyond Plate Tectonics: Looking at Plate Deformation with Space Geodesy. *Symposium - International Astronomical Union*, **1988**, 129, 341-350		
37	Beyond Plate Tectonics: Looking at Plate Deformation with Space Geodesy **1988**, 341-350		8
36	The size distribution of Pacific Seamounts. *Geophysical Research Letters*, **1987**, 14, 1119-1122	4.9	35
35	Vector constraints on western U.S. deformation from space geodesy, neotectonics, and plate motions. *Journal of Geophysical Research*, **1987**, 92, 4798		145
34	How Thick Are the Continents?. *Journal of Geophysical Research*, **1987**, 92, 14007-14026		97
33	Observations of first-order mantle reverberations. *Bulletin of the Seismological Society of America*, **1987**, 77, 1704-1717	2.3	37
32	Low-frequency noise observations in the deep ocean. *Journal of the Acoustical Society of America*, **1986**, 80, 633-645	2.2	24
31	Slab penetration into the lower mantle beneath the Mariana and other island arcs of the northwest Pacific. *Journal of Geophysical Research*, **1986**, 91, 3573-3589		241
30	Moment-tensor spectra of the 19 Sept 85 and 21 Sept 85 Michoacan, Mexico, earthquakes. *Geophysical Research Letters*, **1986**, 13, 609-612	4.9	29
29	Aspherical structure of the core-mantle boundary from PKP travel times. *Geophysical Research Letters*, **1986**, 13, 1497-1500	4.9	152
28	Slab penetration into the lower mantle. *Journal of Geophysical Research*, **1984**, 89, 3031-3049		241
27	Total-moment spectra of fourteen large earthquakes. *Journal of Geophysical Research*, **1983**, 88, 3273		100
26	Density and size distribution of seamounts in the eastern Pacific inferred from wide-beam sounding data. *Journal of Geophysical Research*, **1983**, 88, 10508-10518		72
25	Earth structure from fundamental and higher-mode waveform analysis. *Geophysical Journal International*, **1983**, 75, 759-797	2.6	82
24	Optimal estimation of scalar seismic moment. *Geophysical Journal of the Royal Astronomical Society*, **1982**, 70, 755-787		104

23	Aspherical Earth structure from fundamental spheroidal-mode data. *Nature*, **1982**, 298, 609-613	50.4	278
22	Fundamental spheroidal mode observations of aspherical heterogeneity. *Geophysical Journal of the Royal Astronomical Society*, **1981**, 64, 605-634		58
21	Reply [to Comment on Crustal and upper mantle structure from Sp phases by Thomas H. Jordan and L. Neil Frazer] *Journal of Geophysical Research*, **1980**, 85, 381-382		1
20	Multiple ScS travel times in the western Pacific: Implications for mantle heterogeneity. *Journal of Geophysical Research*, **1980**, 85, 853		58
19	Seismicity and tectonic stress in the south-central Pacific. *Journal of Geophysical Research*, **1980**, 85, 6479-6495		61
18	The Deep Structure of the Continents. *Scientific American*, **1979**, 240, 92-107	0.5	49
17	Lateral variations in shear velocity and attenuation in the upper mantle. *Tectonophysics*, **1979**, 56, 97	3.1	
16	Mineralogies, Densities and Seismic Velocities of Garnet Lherzolites and their Geophysical Implications **1979**, 1-14		151
15	Structural geology of the Earth's interior. *Proceedings of the National Academy of Sciences of the United States of America*, **1979**, 76, 4192-200	11.5	32
14	Composition and development of the continental tectosphere. *Nature*, **1978**, 274, 544-548	50.4	674
13	A procedure for estimating lateral variations from low-frequency eigenspectra data. *Geophysical Journal International*, **1978**, 52, 441-455	2.6	141
12	Present-day plate motions. *Journal of Geophysical Research*, **1978**, 83, 5331		1765
11	Estimation of the attenuation operator for multiple ScS waves. *Geophysical Research Letters*, **1977**, 4, 167-170	4.9	60
10	Lateral heterogeneity of the upper mantle determined from the travel times of multiple ScS. *Journal of Geophysical Research*, **1976**, 81, 6307-6320		91
9	Lateral heterogeneity and mantle dynamics. *Nature*, **1975**, 257, 745-750	50.4	75
8	The continental tectosphere. *Reviews of Geophysics*, **1975**, 13, 1	23.1	541
7	Lateral heterogeneity of the upper mantle determined from the travel times of ScS. *Journal of Geophysical Research*, **1975**, 80, 1474-1484		72
6	Crustal and upper mantle structure from Sp phases. *Journal of Geophysical Research*, **1975**, 80, 1504-1518		90

5	The present-day motions of the Caribbean Plate. *Journal of Geophysical Research*, **1975**, 80, 4433-4439		213
4	Some comments on tidal drag as a mechanism for driving plate motions. *Journal of Geophysical Research*, **1974**, 79, 2141-2142		35
3	A velocity anomaly in the lower mantle. *Journal of Geophysical Research*, **1974**, 79, 2679-2685		110
2	Numerical Modelling of Instantaneous Plate Tectonics. *Geophysical Journal International*, **1974**, 36, 541-576	27.6	654
1	Composition and evolution of the mantle and core. *Science*, **1971**, 171, 1103-12	33.3	170