

Peter Bird

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

3,770
citations

394286

19
h-index

580701

25
g-index

26
all docs

26
docs citations

26
times ranked

3609
citing authors

#	ARTICLE	IF	CITATIONS
1	An updated digital model of plate boundaries. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	1,855
2	Uniform California Earthquake Rupture Forecast, Version 3 (UCERF3)–The Time-Independent Model. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 1122-1180.	1.1	424
3	Plate-Tectonic Analysis of Shallow Seismicity: Apparent Boundary Width, Beta, Corner Magnitude, Coupled Lithosphere Thickness, and Coupling in Seven Tectonic Settings. <i>Bulletin of the Seismological Society of America</i> , 2004, 94, 2380-2399.	1.1	212
4	Computer simulations of California tectonics confirm very low strength of major faults. <i>Bulletin of the Geological Society of America</i> , 1994, 106, 159-174.	1.6	150
5	Plane-stress finite-element models of tectonic flow in southern California. <i>Physics of the Earth and Planetary Interiors</i> , 1980, 21, 158-175.	0.7	137
6	Stresses that drive the plates from below: Definitions, computational path, model optimization, and error analysis. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	116
7	The transition from linear to diffuse plate boundary in the Azores–Gibraltar region: results from a thin-sheet model. <i>Earth and Planetary Science Letters</i> , 2001, 192, 175-189.	1.8	91
8	Long-term fault slip rates, distributed deformation rates, and forecast of seismicity in the western United States from joint fitting of community geologic, geodetic, and stress direction data sets. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	83
9	Seismic Hazard Inferred from Tectonics: California. <i>Seismological Research Letters</i> , 2007, 78, 37-48.	0.8	81
10	Patterns of stress and strain rate in southern Africa. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	69
11	GEAR1: A Global Earthquake Activity Rate Model Constructed from Geodetic Strain Rates and Smoothed Seismicity. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 2538-2554.	1.1	68
12	Thin-plate and thin-shell finite-element programs for forward dynamic modeling of plate deformation and faulting. <i>Computers and Geosciences</i> , 1999, 25, 383-394.	2.0	66
13	Neotectonic modeling of the Ibero-Maghrebian region. <i>Journal of Geophysical Research</i> , 2002, 107, ETG 10-1-ETG 10-15.	3.3	64
14	Revised Tectonic Forecast of Global Shallow Seismicity Based on Version 2.1 of the Global Strain Rate Map. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 152-166.	1.1	47
15	Interpolation of principal stress directions by nonparametric statistics: Global maps with confidence limits. <i>Journal of Geophysical Research</i> , 1996, 101, 5435-5443.	3.3	44
16	Improving deformation models by discounting transient signals in geodetic data: 2. Geodetic data, stress directions, and long-term strain rates in Italy. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5557-5575.	1.4	39
17	Linear and Nonlinear Relations between Relative Plate Velocity and Seismicity. <i>Bulletin of the Seismological Society of America</i> , 2009, 99, 3097-3113.	1.1	38
18	Uncertainties in long-term geologic offset rates of faults: General principles illustrated with data from California and other western states. , 2007, 3, 577.		35

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19	Neotectonics and long-term seismicity in Europe and the Mediterranean region. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5311-5342.	1.4	34
20	Kinematic modelling of neotectonics in the Persia-Tibet-Burma orogen. <i>Geophysical Journal International</i> , 2008, 172, 779-797.	1.0	32
21	Exploratory models of long-term crustal flow and resulting seismicity across the Alpine-Aegean orogen. <i>Tectonics</i> , 2010, 29, n/a-n/a.	1.3	20
22	A "Geodetic Gap" in the Calabrian Arc: Evidence for a Locked Subduction Megathrust?. <i>Geophysical Research Letters</i> , 2018, 45, 1794-1804.	1.5	20
23	Partitioning the Ongoing Extension of the Central Apennines (Italy): Fault Slip Rates and Bulk Deformation Rates From Geodetic and Stress Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018956.	1.4	19
24	Improving deformation models by discounting transient signals in geodetic data: 1. Concept and synthetic examples. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5538-5556.	1.4	13
25	Neotectonic Deformation in Central Eurasia: A Geodynamic Model Approach. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9461-9484.	1.4	8
26	A Meta-Analysis of Fault Slip Rates Across the Central Apennines. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	5