

Stephen C Myers

List of Publications by Year in descending order

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42
papers

2,294
citations

361413

20
h-index

302126

39
g-index

43
all docs

43
docs citations

43
times ranked

1838
citing authors

#	ARTICLE	IF	CITATIONS
1	Relocation and assessment of seismicity in the Iran region. <i>Geophysical Journal International</i> , 2006, 167, 761-778.	2.4	271
2	LLNLâ€G3Dv3: Global P wave tomography model for improved regional and teleseismic travel time prediction. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	249
3	Crustal-thickness variations in the central Andes. <i>Geology</i> , 1996, 24, 407.	4.4	239
4	Epicentre accuracy based on seismic network criteria. <i>Geophysical Journal International</i> , 2004, 156, 483-496.	2.4	209
5	Crust and mantle structure across the Basin and Range-Colorado Plateau boundary at 37Â°N latitude and implications for Cenozoic extensional mechanism. <i>Journal of Geophysical Research</i> , 1995, 100, 10529-10548.	3.3	205
6	Rupture Characteristics of the Deep Bolivian Earthquake of 9 June 1994 and the Mechanism of Deep-Focus Earthquakes. <i>Science</i> , 1995, 268, 69-73.	12.6	165
7	Lithospheric-scale structure across the Bolivian Andes from tomographic images of velocity and attenuation for PandSwaves. <i>Journal of Geophysical Research</i> , 1998, 103, 21233-21252.	3.3	111
8	A Bayesian hierarchical method for multiple-event seismic location. <i>Geophysical Journal International</i> , 2007, 171, 1049-1063.	2.4	101
9	A Crust and Upper-Mantle Model of Eurasia and North Africa for Pn Travel-Time Calculation. <i>Bulletin of the Seismological Society of America</i> , 2010, 100, 640-656.	2.3	72
10	Evidence for long-lived subduction of an ancient tectonic plate beneath the southern Indian Ocean. <i>Geophysical Research Letters</i> , 2015, 42, 9270-9278.	4.0	71
11	Incorporation of probabilistic seismic phase labels into a Bayesian multiple-event seismic locator. <i>Geophysical Journal International</i> , 2009, 177, 193-204.	2.4	63
12	Nonstationary Bayesian kriging: A predictive technique to generate spatial corrections for seismic detection, location, and identification. <i>Bulletin of the Seismological Society of America</i> , 1998, 88, 1275-1288.	2.3	61
13	Global-scale <i>P</i> -wave tomography optimized for prediction of teleseismic and regional travel times for Middle East events: 2. Tomographic inversion. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	53
14	Improving Sparse Network Seismic Location with Bayesian Kriging and Teleseismically Constrained Calibration Events. <i>Bulletin of the Seismological Society of America</i> , 2000, 90, 199-211.	2.3	50
15	Accounting for lateral variations of the upper mantle gradient in <i>P</i> - <i>n</i> tomography studies. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	45
16	Implications of spatial and temporal development of the aftershock sequence for the Mw8.3 June 9, 1994 Deep Bolivian Earthquake. <i>Geophysical Research Letters</i> , 1995, 22, 2269-2272.	4.0	36
17	Regional Travel-Time Uncertainty and Seismic Location Improvement Using a Three-Dimensional a priori Velocity Model. <i>Bulletin of the Seismological Society of America</i> , 2007, 97, 804-825.	2.3	33
18	The Coupled Location/Depth/Yield Problem for North Koreaâ€™s Declared Nuclear Tests. <i>Seismological Research Letters</i> , 2018, 89, 2059-2067.	1.9	28

#	ARTICLE	IF	CITATIONS
19	Absolute Locations of the North Korean Nuclear Tests Based on Differential Seismic Arrival Times and InSAR. <i>Seismological Research Letters</i> , 2018, 89, 2049-2058.	1.9	26
20	Global-scale <i>P</i> -wave tomography optimized for prediction of teleseismic and regional travel times for Middle East events: 1. Data set development. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25
21	Improved Regional and Teleseismic <i>P</i> -Wave Travel-Time Prediction and Event Location Using a Global 3D Velocity Model. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 1642-1660.	2.3	23
22	SPIRaL: a multiresolution global tomography model of seismic wave speeds and radial anisotropy variations in the crust and mantle. <i>Geophysical Journal International</i> , 2021, 227, 1366-1391.	2.4	21
23	Body-Wave Methods of Distinguishing between Explosions, Collapses, and Earthquakes: Application to Recent Events in North Korea. <i>Seismological Research Letters</i> , 0, , .	1.9	19
24	Resolution and Covariance of the LLNL-G3D-JPS Global Seismic Tomography Model: Applications to Travel time Uncertainty and Tomographic Filtering of Geodynamic Models. <i>Geophysical Journal International</i> , 2019, 217, 1543-1557.	2.4	19
25	Evidence for a local crustal root beneath the Santa Catalina metamorphic core complex, Arizona. <i>Geology</i> , 1994, 22, 223.	4.4	12
26	Relative surface wave amplitude and phase anomalies from the Democratic People's Republic of Korea announced nuclear tests. <i>Geophysical Research Letters</i> , 2017, 44, 8857-8864.	4.0	10
27	Computation of traveltimes covariances based on stochastic models of velocity heterogeneity. <i>Geophysical Journal International</i> , 2013, 194, 1582-1595.	2.4	9
28	Updates to the Regional Seismic Travel Time (RSTT) Model: 1. Tomography. <i>Pure and Applied Geophysics</i> , 2021, 178, 2475-2498.	1.9	8
29	Empirical Acoustic Source Model for Chemical Explosions in Air. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2862-2880.	2.3	8
30	Updates to the Regional Seismic Travel Time (RSTT) Model: 2. Path-dependent Travel-time Uncertainty. <i>Pure and Applied Geophysics</i> , 2021, 178, 313-339.	1.9	7
31	Nonstationary Bayesian kriging: a predictive technique to generate spatial corrections for seismic detection, location and identification. <i>Physics of the Earth and Planetary Interiors</i> , 1999, 113, 321-338.	1.9	6
32	Accurate Local Event Locations in Rock Valley, Nevada, Using a Bayesian Multiple-Event Method. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 706-718.	2.3	6
33	Trace explosive residue detection of HMX and RDX in post-detonation dust from an open-air environment. <i>Talanta</i> , 2021, 227, 122124.	5.5	5
34	The Prospect of Using Three-Dimensional Earth Models to Improve Nuclear Explosion Monitoring and Ground-motion Hazard Assessment. <i>Seismological Research Letters</i> , 2009, 80, 31-39.	1.9	4
35	Assessment of Regional-Distance Location Calibration Using a Multiple-Event Location Algorithm. <i>Bulletin of the Seismological Society of America</i> , 2010, 100, 868-875.	2.3	4
36	High-Quality Revision of the Israeli Seismic Bulletin. <i>Seismological Research Letters</i> , 2021, 92, 2668-2678.	1.9	4

#	ARTICLE	IF	CITATIONS
37	Earthquake Location. , 2014, , 1-18.		4
38	Multiobjective Optimization of Regional and Teleseismic Data to Constrain the Source of the 12 September 2016 Mw5.4 Earthquake in South Korea. Bulletin of the Seismological Society of America, 2018, 108, 175-187.	2.3	3
39	Reply to "Comment on 'Improving Sparse Network Seismic Location with Bayesian Kriging and Teleseismically Constrained Calibration Events,' by Stephen C. Myers and Craig A. Schultz," by A. Douglas. Bulletin of the Seismological Society of America, 2005, 95, 370-372.	2.3	2
40	Microseismic Event Relocation Based on PageRank Linkage at the Newberry Volcano Geothermal Site. Bulletin of the Seismological Society of America, 2018, 108, 3656-3667.	2.3	2
41	Microseismic Focal Mechanisms and Implications for Changes in Stress during the 2014 Newberry EGS Stimulation. Bulletin of the Seismological Society of America, 2019, 109, 1653-1660.	2.3	2
42	Earthquake Location. , 2015, , 661-676.		0