

Shu-Huei Hung

List of Publications by Year in descending order

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46
papers

2,371
citations

331670
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254184
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47
all docs

47
docs citations

47
times ranked

2092
citing authors

#	ARTICLE	IF	CITATIONS
1	Earthquake Focal Mechanisms and Stress Environment in Southern Taiwan. Atmosphere, Earth, Ocean & Space, 2021, , 101-113.	0.5	0
2	Lateral Variations of Moho Depth and Average Crustal Properties Across the Taiwan Orogen From H $\hat{=}$ V Stacking of P and S Receiver Functions. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009527.	2.5	5
3	Bulk Crustal Properties and Layered Velocity Structure in Fujian, SE China: Constraints From P and S Receiver Functions. Frontiers in Earth Science, 2021, 9, .	1.8	0
4	Reconciling seismic structures and Late Cretaceous kimberlite magmatism in northern Alberta, Canada. Geology, 2020, 48, 872-876.	4.4	6
5	Seismic evidence for a mantle suture and implications for the origin of the Canadian Cordillera. Nature Communications, 2019, 10, 2249.	12.8	25
6	A fast algorithm for automatic phase picker and event location: Application to the 2018 Hualien earthquake sequences. Terrestrial, Atmospheric and Oceanic Sciences, 2019, 30, 435-448.	0.6	2
7	The Origin and Mantle Dynamics of Quaternary Intraplate Volcanism in Northeast China From Joint Inversion of Surface Wave and Body Wave. Journal of Geophysical Research: Solid Earth, 2018, 123, 2410-2425.	3.4	50
8	The 13 November 2016 Kaikoura, New Zealand Earthquake: rupture process and seismotectonic implications. Earth and Planetary Physics, 2018, 2, 1-23.	1.1	1
9	A New Appraisal of Lithospheric Structures of the Cordilleraâ€Craton Boundary Region in Western Canada. Tectonics, 2018, 37, 3207-3228.	2.8	11
10	Seismic evidence for the depression of the D $\hat{=}$ 3 discontinuity beneath the Caribbean: Implication for slab heating from the Earth's core. Earth and Planetary Science Letters, 2017, 467, 128-137.	4.4	10
11	Rupture characteristics of the 2016 Meinong earthquake revealed by the back projection and directivity analysis of teleseismic broadband waveforms. Geophysical Research Letters, 2017, 44, 3545-3553.	4.0	15
12	Finite-frequency P-wave tomography of the Western Canada Sedimentary Basin: Implications for the lithospheric evolution in Western Laurentia. Tectonophysics, 2017, 698, 79-90.	2.2	13
13	CRUST AND UPPER MANTLE STRUCTURES SURROUNDING THE ROCKY MOUNTAIN FORELAND BASIN IN SOUTHWESTERN CANADA. , 2017, , .		0
14	Systematic correlations of the earthquake frequencyâ€Cmagnitude distribution with the deformation and mechanical regimes in the Taiwan orogen. Geophysical Research Letters, 2016, 43, 5017-5025.	4.0	9
15	Seismological evidence for a non-monotonic velocity gradient in the topmost outer core. Scientific Reports, 2015, 5, 8613.	3.3	21
16	Multiscale, finite-frequency P and S tomography of the upper mantle in the southwestern Fennoscandian Shield. Geophysical Journal International, 2015, 202, 190-218.	2.4	19
17	A 3â€D spectralâ€element and frequencyâ€wave number hybrid method for highâ€resolution seismic array imaging. Geophysical Research Letters, 2014, 41, 7025-7034.	4.0	40
18	Fullâ€wave effects on shear wave splitting. Geophysical Research Letters, 2014, 41, 799-804.	4.0	19

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19	Full-wave multiscale anisotropy tomography in Southern California. <i>Geophysical Research Letters</i> , 2014, 41, 8809-8817.	4.0	19
20	Temporal changes of seismic velocity associated with the 2006 Mw 6.1 Taitung earthquake in an arc-continent collision suture zone. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	14
21	Waveform modeling of shear wave splitting from anisotropic models in Iceland. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	5
22	The southwestern edge of the Ryukyu subduction zone: A high Q mantle wedge. <i>Earth and Planetary Science Letters</i> , 2012, 335-336, 145-153.	4.4	24
23	Shear wave tomography of China using joint inversion of body and surface wave constraints. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	51
24	Robust determination of earthquake source parameters and mantle attenuation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	42
25	Rheology of the continental lithosphere: Progress and new perspectives. <i>Gondwana Research</i> , 2012, 21, 4-18.	6.0	45
26	Characteristics of short period secondary microseisms (SPSM) in Taiwan: The influence of shallow ocean strait on SPSM. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	21
27	A data-adaptive, multiscale approach of finite-frequency, traveltime tomography with special reference to <i>P</i> - and <i>S</i> -wave data from central Tibet. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	59
28	Lithosphere-asthenosphere interaction beneath the western United States from the joint inversion of body-wave traveltimes and surface-wave phase velocities. <i>Geophysical Journal International</i> , 2011, 185, 1003-1021.	2.4	160
29	Synthetic seismograms by normal-mode summation: a new derivation and numerical examples. <i>Geophysical Journal International</i> , 2010, 183, 1613-1632.	2.4	16
30	First multiscale, finite-frequency tomography illuminates 3-D anatomy of the Tibetan Plateau. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	45
31	Comparative appraisal of linear inverse models constructed via distinctive parameterizations (comparing distinctly inverted models). <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	9
32	Slab-plume interaction beneath the Pacific Northwest. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	163
33	Shear-wave birefringence and current configuration of converging lithosphere under Tibet. <i>Earth and Planetary Science Letters</i> , 2010, 295, 297-304.	4.4	81
34	Reactivation of an Archean craton: Constraints from <i>P</i> - and <i>S</i> -wave tomography in North China. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	90
35	Tomography of the westernmost Ryukyu subduction zone and the serpentinization of the forearc mantle. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	49
36	The Taiwan-Ryukyu subduction-collision complex: Folding of a viscoelastic slab and the double seismic zone. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	33

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37	Finite frequency tomography of $\Delta\epsilon^3$ shear velocity heterogeneity beneath the Caribbean. Journal of Geophysical Research, 2005, 110, .	3.3	26
38	Validation of ray and wave theoretical travel times in heterogeneous random media. Geophysical Research Letters, 2005, 32, .	4.0	12
39	Imaging three-dimensional anisotropy with broadband seismometer arrays. Geophysical Monograph Series, 2005, , 99-116.	0.1	9
40	Imaging seismic velocity structure beneath the Iceland hot spot: A finite frequency approach. Journal of Geophysical Research, 2004, 109, .	3.3	109
41	Finite-Frequency Tomography Reveals a Variety of Plumes in the Mantle. Science, 2004, 303, 338-343.	12.6	941
42	Anomalous seafloor spreading of the Southeast Indian Ridge near the Amsterdam-St. Paul Plateau. Journal of Geophysical Research, 2000, 105, 8243-8262.	3.3	37
43	Anisotropy in the oceanic lithosphere from the study of local intraplate earthquakes on the west flank of the southern East Pacific Rise: Shear wave splitting and waveform modeling. Journal of Geophysical Research, 1999, 104, 10695-10717.	3.3	12
44	Modelling anisotropic wave propagation in oceanic inhomogeneous structures using the parallel multidomain pseudo-spectral method. Geophysical Journal International, 1998, 133, 726-740.	2.4	44
45	A 3-D dynamic model for the anomalous topography and geoid over the south-east Indian Ridge. Geophysical Journal International, 1995, 121, 1-20.	2.4	8
46	Link between El Ninos and seismicity is still missing. Eos, 1995, 76, 175-175.	0.1	1