

Huaiyu Yuan

List of Publications by Citations

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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.

49
papers

2,495
citations

18
h-index

49
g-index

53
ext. papers

2,727
ext. citations

4.9
avg, IF

5.27
L-index

#	Paper	IF	Citations
49	Thick-Structured Proterozoic Lithosphere of the Rocky Mountain Region. <i>GSA Today</i> , 2001 , 11, 4	2.8	999
48	Lithospheric layering in the North American craton. <i>Nature</i> , 2010 , 466, 1063-8	50.4	366
47	North American lithospheric discontinuity structure imaged by Ps and Sp receiver functions. <i>Journal of Geophysical Research</i> , 2010 , 115,		194
46	3-D shear wave radially and azimuthally anisotropic velocity model of the North American upper mantle. <i>Geophysical Journal International</i> , 2011 , 184, 1237-1260	2.6	123
45	Inversion of receiver functions without deconvolution—application to the Indian craton. <i>Geophysical Journal International</i> , 2014 , 196, 1025-1033	2.6	82
44	Teleseismic P-wave tomogram of the Yellowstone plume. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	76
43	Subduction zone anisotropy beneath Corvallis, Oregon: A serpentinite skid mark of trench-parallel terrane migration?. <i>Journal of Geophysical Research</i> , 2004 , 109,		69
42	Lithospheric expression of geological units in central and eastern North America from full waveform tomography. <i>Earth and Planetary Science Letters</i> , 2014 , 402, 176-186	5.3	67
41	Imaging Yellowstone plume-lithosphere interactions from inversion of ballistic and diffusive Rayleigh wave dispersion and crustal thickness data. <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	55
40	A sharp cratonic lithosphere-asthenosphere boundary beneath the American Midwest and its relation to mantle flow. <i>Earth and Planetary Science Letters</i> , 2014 , 402, 82-89	5.3	45
39	Secular change in Archaean crust formation recorded in Western Australia. <i>Nature Geoscience</i> , 2015 , 8, 808-813	18.3	43
38	Crust and upper mantle velocity structure of the Yellowstone hot spot and surroundings. <i>Journal of Geophysical Research</i> , 2008 , 113,		41
37	Seismological evidence for the earliest global subduction network at 2 Ga ago. <i>Science Advances</i> , 2020 , 6, eabc5491	14.3	36
36	Crustal structure and thickness along the Yellowstone hot spot track: Evidence for lower crustal outflow from beneath the eastern Snake River Plain. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	32
35	Depth dependent azimuthal anisotropy in the western US upper mantle. <i>Earth and Planetary Science Letters</i> , 2010 , 300, 385-394	5.3	32
34	Stratified seismic anisotropy and the lithosphere-asthenosphere boundary beneath eastern North America. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 3096-3114	3.6	31
33	Imaging anisotropic layering with Bayesian inversion of multiple data types. <i>Geophysical Journal International</i> , 2016 , 206, 605-629	2.6	27

32	A Lithosphere-Asthenosphere Boundary: Global Model Derived from Multimode Surface-Wave Tomography and Petrology. <i>Geophysical Monograph Series</i> , 2018 , 111-123	1.1	25
31	Application of deep-penetrating geophysical methods to mineral exploration: Examples from Western Australia. <i>Geophysics</i> , 2018 , 83, WC29-WC41	3.1	16
30	Evidence for a serpentinized plate interface favouring continental subduction. <i>Nature Communications</i> , 2020 , 11, 2171	17.4	13
29	Generation of continental intraplate alkali basalts and implications for deep carbon cycle. <i>Earth-Science Reviews</i> , 2020 , 201, 103073	10.2	13
28	Spatial and Temporal Variations in the Moment Tensor Solutions of the 2008 Wenchuan Earthquake Aftershocks and Their Tectonic Implications. <i>Tectonics</i> , 2018 , 37, 989-1005	4.3	11
27	On the interpretation of SKS splitting measurements in the presence of several layers of anisotropy. <i>Geophysical Journal International</i> , 2012 , 188, 1129-1140	2.6	11
26	Testing five of the simplest upper mantle anisotropic velocity parameterizations using teleseismic S and SKS data from the Billings, Montana PASSCAL array. <i>Journal of Geophysical Research</i> , 2008 , 113,		11
25	A Probabilistic Shear Wave Velocity Model of the Crust in the Central West Australian Craton Constrained by Transdimensional Inversion of Ambient Noise Dispersion. <i>Tectonics</i> , 2018 , 37, 1994-2012	4.3	10
24	On the Origin of the Upper Mantle Seismic Discontinuities. <i>Geophysical Monograph Series</i> , 2018 , 5-34	1.1	9
23	Upper mantle tomographic Vp and Vs images of the Rocky Mountains in Wyoming, Colorado and New Mexico: Evidence for a thick heterogeneous chemical lithosphere. <i>Geophysical Monograph Series</i> , 2005 , 329-345	1.1	8
22	Cratonic Lithosphere Discontinuities. <i>Geophysical Monograph Series</i> , 2018 , 177-203	1.1	8
21	The Deep Structure of the Alps Based on the CIFAALPS Seismic Experiment: A Synthesis. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2020GC009466	3.6	7
20	Upper mantle P-wave velocity structure from PASSCAL teleseismic transects across Idaho, Wyoming and Colorado. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	6
19	New Crustal Vs Model Along an Array in South-East China: Seismic Characters and Paleo-Tethys Continental Amalgamation. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2020GC009024	3.6	4
18	Imaging Karatungk Cu-Ni Mine in Xinjiang, Western China with a Passive Seismic Array. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 601	2.4	3
17	A Major Geophysical Experiment in the Capricorn Orogeny, Western Australia. <i>ASEG Extended Abstracts</i> , 2015 , 2015, 1-5	0.2	2
16	Sharpness of the Midlithospheric Discontinuities and Craton Evolution in North China. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018594	3.6	2
15	Introduction: Lithospheric Discontinuities. <i>Geophysical Monograph Series</i> , 2018 , 1-3	1.1	2

14	Lithospheric and Asthenospheric Structure Below Oceans from Anisotropic Tomography. <i>Geophysical Monograph Series</i> , 2018 , 55-69	1.1	2
13	Perspectives of the S-Receiver-Function Method to Image Upper Mantle Discontinuities. <i>Geophysical Monograph Series</i> , 2018 , 139-154	1.1	2
12	Improved Interpretation of Deep Seismic Reflection Data in Areas of Complex Geology Through Integration With Passive Seismic Data Sets. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 10,810-10,830	3.6	3
11	Small Shear Wave Splitting Delays Suggest Weak Anisotropy in Cratonic Mantle Lithosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093861	4.9	2
10	Seismic evidence of two cryptic sutures in Northwestern Australia: Implications for the style of subduction during the Paleoproterozoic assembly of Columbia. <i>Earth and Planetary Science Letters</i> , 2022 , 579, 117342	5.3	1
9	Receiver function mapping of the mantle transition zone beneath the Western Alps: New constraints on slab subduction and mantle upwelling. <i>Earth and Planetary Science Letters</i> , 2022 , 577, 117267	5.3	1
8	Passive seismic studies show configuration of Paleoproterozoic subduction zones and their role in craton assembly in Western Australia. <i>ASEG Extended Abstracts</i> , 2016 , 2016, 1-5	0.2	1
7	Frayed Edges of Cratonic Mantle Keels. <i>Geophysical Monograph Series</i> , 2018 , 125-138	1.1	1
6	Continental Lithospheric Layering Beneath Stable, Modified, and Destroyed Cratons from Seismic Daylight Imaging. <i>Geophysical Monograph Series</i> , 2018 , 155-176	1.1	1
5	Seismic Anisotropic Layering in the Yilgarn and Superior Cratonic Lithosphere. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2020JB021575	3.6	1
4	Improved full waveform moment tensor inversion of Cratonic intraplate earthquakes in southwest Australia. <i>Geophysical Journal International</i> , 2021 , 227, 123-145	2.6	
3	Passive seismic studies of the Capricorn Orogen, Western Australia. <i>ASEG Extended Abstracts</i> , 2019 , 2019, 1-5	0.2	
2	AusArray: Toward updatable, high-resolution seismic velocity models of the Australian lithosphere. <i>ASEG Extended Abstracts</i> , 2019 , 2019, 1-4	0.2	
1	Rapid deployment for earthquake aftershock monitoring in southwest Western Australia [the Arthur River swarm 2022]. <i>Preview</i> , 2022 , 2022, 39-41	0.2	