Yuan Gao

List of Publications by Year
in descending order

37 papers	901 citations	516710 16 h-index	477307 29 g-index
37 all docs	37 docs citations	37 times ranked	507 citing authors

#	Article	IF	Citations
1	Observations of stress relaxation before earthquakes. Geophysical Journal International, 2004, 157, 578-582.	2.4	95
2	Shear wave splitting and mantle flow associated with the deflected Pacific slab beneath northeast Asia. Journal of Geophysical Research, 2008, 113, .	3.3	91
3	Temporal changes in shear-wave splitting at an isolated swarm of small earthquakes in 1992 near Dongfang, Hainan Island, southern China. Geophysical Journal International, 1998, 135, 102-112.	2.4	80
4	Shear wave splitting in the crust in North China: stress, faults and tectonic implications. Geophysical Journal International, 2011, 187, 642-654.	2.4	64
5	A review of techniques for measuring shear-wave splitting above small earthquakes. Physics of the Earth and Planetary Interiors, 2006, 159, 1-14.	1.9	52
6	Lithospheric structure across the northeastern margin of the Tibetan Plateau: Implications for the plateau's lateral growth. Earth and Planetary Science Letters, 2017, 459, 80-92.	4.4	50
7	Shear-wave splitting beneath Yunnan area of Southwest China. Earthquake Science, 2012, 25, 25-34.	0.9	43
8	A stress-forecast earthquake (with hindsight), where migration of source earthquakes causes anomalies in shear-wave polarisations. Tectonophysics, 2006, 426, 253-262.	2.2	41
9	Temporal variations of shear-wave splitting in field and laboratory studies in China. Journal of Applied Geophysics, 2003, 54, 279-287.	2.1	32
10	Crust-mantle coupling in North China: Preliminary analysis from seismic anisotropy. Science Bulletin, 2010, 55, 3599-3605.	1.7	28
11	Shearâ€wave splitting and earthquake forecasting. Terra Nova, 2008, 20, 440-448.	2.1	25
12	Seismic Structure Beneath the Tibetan Plateau From Iterative Finiteâ€Frequency Tomography Based on ChinArray: New Insights Into the Indoâ€Asian Collision. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018344.	3.4	24
13	Contemporary crustal tectonic movement in the southern Sichuan-Yunnan block based on dense GPS observation data. Earth and Planetary Physics, 2019, 3, 53-61.	1.1	23
14	Rayleigh wave phase velocity tomography and strong earthquake activity on the southeastern front of the Tibetan Plateau. Science China Earth Sciences, 2014, 57, 2532-2542.	5.2	21
15	SWAS: A shear-wave analysis system for semi-automatic measurement of shear-wave splitting above small earthquakes. Physics of the Earth and Planetary Interiors, 2006, 159, 71-89.	1.9	20
16	Crustal seismic anisotropy and compressive stress in the eastern margin of the Tibetan Plateau and the influence of the <italic>M</italic>_S8.0 Wenchuan earthquake. Chinese Science Bulletin, 2018, 63, 1934-1948.	0.7	19
17	The New Geophysics. Terra Nova, 2013, 25, 173-180.	2.1	18
18	Preliminary analysis of crustal shearâ€wave splitting in the Sanjiang lateral collision zone of the southeast margin of the Tibetan Plateau and its tectonic implications. Geophysical Prospecting, 2019, 67, 2432-2449.	1.9	18

#	Article	IF	Citations
19	Crustal thicknesses and Poisson's ratios beneath the Chuxiong-Simao Basin in the Southeast Margin of the Tibetan Plateau. Earth and Planetary Physics, 2019, 3, 69-84.	1.1	16
20	Seismic anisotropy of the crust in Yunnan, China: Polarizations of fast shear-waves. Acta Seismologica Sinica, 2006, 19, 620-632.	0.2	14
21	Crustal seismic anisotropy in Yunnan, Southwestern China. Journal of Seismology, 2009, 13, 287-299.	1.3	13
22	Two species of microcracks. Applied Geophysics, 2014, 11, 1-8.	0.6	12
23	Evidence supporting New Geophysics. Earth and Planetary Physics, 2018, 2, 173-188.	1.1	11
24	Variational characteristics of shear-wave splitting on the 2001 Shidian earthquakes in Yunnan, China. Acta Seismologica Sinica, 2004, 17, 635-641.	0.2	10
25	Shear-wave splitting in the crust: Regional compressive stress from polarizations of fast shear-waves. Earthquake Science, 2012, 25, 35-45.	0.9	10
26	Preliminary seismic hazard assessment for the proposed Bohai Strait subsea tunnel based on scenario earthquake studies. Journal of Applied Geophysics, 2019, 163, 13-21.	2.1	10
27	A low-velocity layer atop the mantle transition zone beneath the western Central Asian Orogenic Belt: Upper mantle melting induced by ancient slab subduction. Earth and Planetary Science Letters, 2022, 578, 117287.	4.4	10
28	Gravity pattern in southeast margin of Tibetan Plateau and its implications to tectonics and large earthquakes. Earth and Planetary Physics, 2019, 3, 425-435.	1.1	9
29	Crustal seismic anisotropy in southeastern Capital area, China. Acta Seismologica Sinica, 2008, 21, 1-10.	0.2	8
30	A Study of Seismic Anisotropy of Wenchuan Earthquake Sequence. Chinese Journal of Geophysics, 2009, 52, 138-147.	0.2	7
31	Velocity Anomalies Around the Mantle Transition Zone Beneath the Qiangtang Terrane, Central Tibetan Plateau From Triplicated P Waveforms. Earth and Space Science, 2022, 9, .	2.6	6
32	Spatial Variations of Upper Crustal Anisotropy Along the San Jacinto Fault Zone in Southern California: Constraints From Shear Wave Splitting Analysis. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020876.	3.4	5
33	Anisotropic zoning in the upper crust of the Tianshan Tectonic Belt. Science China Earth Sciences, 2021, 64, 651-666.	5.2	4
34	A review of a quarter century of International Workshops on Seismic Anisotropy in the crust (0IWSAâ€"12IWSA). Journal of Seismology, 2009, 13, 181-208.	1.3	3
35	Spatiotemporal Variation of Crustal Anisotropy in the Source Area of the 2004 Niigata, Japan Earthquake. Bulletin of the Seismological Society of America, 2019, 109, 1331-1342.	2.3	3
36	Advances in the deep tectonics and seismic anisotropy of the Lijiang-Xiaojinhe fault zone in the Sichuan-Yunnan Block, Southwestern China. Earthquake Research Advances, 2022, 2, 100116.	2.2	3

#	Article	IF	Citations
37	A Partial Molten Lowâ€Velocity Layer Atop the Mantle Transition Zone Beneath the Western Junggar: Implication for the Formation of Subductionâ€Induced Subâ€Slab Mantle Plume. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	3