

# Tao Yang

## List of Publications by Year in descending order

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29  
papers

897  
citations

567281

15  
h-index

477307

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

976  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthropogenic magnetic particles and heavy metals in the road dust: Magnetic identification and its implications. <i>Atmospheric Environment</i> , 2010, 44, 1175-1185.	4.1	136
2	Stress State in the Largest Displacement Area of the 2011 Tohoku-Oki Earthquake. <i>Science</i> , 2013, 339, 687-690.	12.6	112
3	Magnetic investigation of heavy metals contamination in urban topsoils around the East Lake, Wuhan, China. <i>Geophysical Journal International</i> , 2007, 171, 603-612.	2.4	59
4	Magnetic signature of heavy metals pollution of sediments: case study from the East Lake in Wuhan, China. <i>Environmental Geology</i> , 2007, 52, 1639-1650.	1.2	58
5	Understanding Himalayan erosion and the significance of the Nicobar Fan. <i>Earth and Planetary Science Letters</i> , 2017, 475, 134-142.	4.4	58
6	Release of mineral-bound water prior to subduction tied to shallow seismogenic slip off Sumatra. <i>Science</i> , 2017, 356, 841-844.	12.6	57
7	The State of Stress on the Fault Before, During, and After a Major Earthquake. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 49-74.	11.0	49
8	Environmental magnetic responses of urbanization processes: evidence from lake sediments in East Lake, Wuhan, China. <i>Geophysical Journal International</i> , 2009, 179, 873-886.	2.4	46
9	Relationship between magnetic properties and heavy metals of urban soils with different soil types and environmental settings: implications for magnetic mapping. <i>Environmental Earth Sciences</i> , 2012, 66, 409-420.	2.7	36
10	Magnetic properties of the road dusts from two parks in Wuhan city, China: implications for mapping urban environment. <i>Environmental Monitoring and Assessment</i> , 2011, 177, 637-648.	2.7	26
11	Strain decoupling across the décollement in the region of large slip during the 2011 Tohoku-Oki earthquake from anisotropy of magnetic susceptibility. <i>Earth and Planetary Science Letters</i> , 2013, 381, 31-38.	4.4	26
12	53°43' Ma Deformation of Eastern Tibet Revealed by Three Stages of Tectonic Rotation in the Gongjue Basin. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3320-3338.	3.4	26
13	Rock magnetic properties of fault rocks from the rupture of the 2008 Wenchuan earthquake, China and their implications: Preliminary results from the Zhaojiagou outcrop, Beichuan County (Sichuan). <i>Tectonophysics</i> , 2012, 530-531, 331-341.	2.2	25
14	Hydraulic properties of samples retrieved from the Wenchuan earthquake Fault Scientific Drilling Project Hole WFS01 and the surface rupture zone: Implications for coseismic slip weakening and fault healing. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2717-2744.	2.5	19
15	Magnetic properties of fault rocks from the Yingxiu-Beichuan fault: Constraints on temperature rise within the shallow slip zone during the 2008 Wenchuan earthquake and their implications. <i>Journal of Asian Earth Sciences</i> , 2012, 50, 52-60.	2.3	17
16	Seismic heating signatures in the Japan Trench subduction plate-boundary fault zone: evidence from a preliminary rock magnetic "geothermometer". <i>Geophysical Journal International</i> , 2016, 205, 319-331.	2.4	16
17	Faulting Processes Unveiled by Magnetic Properties of Fault Rocks. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000690.	23.0	16
18	Thermal Alteration of Pyrite to Pyrrhotite During Earthquakes: New Evidence of Seismic Slip in the Rock Record. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 1116-1131.	3.4	15

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19	Magnetic properties of ultrahigh-pressure eclogites controlled by retrograde metamorphism: A case study from the ZK703 drillhole in Donghai, eastern China. <i>Physics of the Earth and Planetary Interiors</i> , 2007, 160, 181-191.	1.9	14
20	Magnetic study of the UHP eclogites from the Chinese Continental Scientific Drilling (CCSD) Project. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	12
21	Magnetic properties of serpentized garnet peridotites from the CCSD main hole in the Sulu ultrahigh-pressure metamorphic belt, eastern China. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
22	Susceptibility and remanent magnetization inversion of magnetic data with a priori information of the Koenigsberger ratio. <i>Geophysical Journal International</i> , 2020, 221, 1090-1109.	2.4	11
23	Differences in magnetic properties of fragments and matrix of breccias from the rupture of the 2008 Wenchuan earthquake, China: Relationship to faulting. <i>Tectonophysics</i> , 2013, 601, 112-124.	2.2	10
24	Rock magnetic expression of fluid infiltration in the Yingxiu-Beichuan fault (Longmen Shan thrust belt, China). <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1065-1085.	2.5	8
25	Anisotropy of Magnetic Susceptibility (AMS) of Sediments From Holes U1480E and U1480H, IODP Expedition 362: Sedimentary or Artificial Origin and Implications for Paleomagnetic Studies. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 5192-5215.	2.5	8
26	Magnetic study of mafic granulite xenoliths from the Hannuoba basalt, north China. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	7
27	Magnetic properties of street dust from Chibi City, Hubei Province, China: Its implications for urban environment. <i>Journal of Earth Science (Wuhan, China)</i> , 2009, 20, 848-857.	3.2	7
28	Petrophysical Properties (Density and Magnetization) of Rocks from the Suhbaatar-Ulaanbaatar-Dalandzadgad Geophysical Profile in Mongolia and Their Implications. <i>Scientific World Journal, The</i> , 2013, 2013, 1-12.	2.1	6
29	High-Velocity Friction Experiments Indicate Magnetic Enhancement and Softening of Fault Gouges During Seismic Slip. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 26-43.	3.4	6