

# Xiang-jun Pei

## List of Publications by Year in Descending Order

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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.

47  
papers

966  
citations

16  
h-index

30  
g-index

52  
ext. papers

1,390  
ext. citations

5.1  
avg, IF

4.64  
L-index

#	Paper	IF	Citations
47	Hydrogeochemical controls on As and B enrichment in the aqueous environment from the Western Tibetan Plateau: A case study from the Singe Tsangpo River Basin.. <i>Science of the Total Environment</i> , <b>2022</b> , 817, 152978	10.2	
46	A data-driven estimate of litterfall and forest carbon turnover and the drivers of their inter-annual variabilities in forest ecosystems across China.. <i>Science of the Total Environment</i> , <b>2022</b> , 821, 153341	10.2	0
45	An efficient manganese-oxidizing fungus <i>Cladosporium halotolerans</i> strain XM01: Mn(II) oxidization and Cd adsorption behavior. <i>Chemosphere</i> , <b>2022</b> , 287, 132026	8.4	2
44	Geology amplification of the seismic response of a large deep-seated rock slope revealed by field monitoring and geophysical methods. <i>Environmental Earth Sciences</i> , <b>2022</b> , 81, 1	2.9	
43	Characterizing the spatial distribution, frequency, geomorphological and geological controls on landslides triggered by the 1933 Mw 7.3 Diexi Earthquake, Sichuan, China. <i>Geomorphology</i> , <b>2022</b> , 403, 108177	4.3	3
42	Earthquake-induced landslide erosion coupled to tectonics and river incision, and effects of ground motion on coupled patterns. <i>Catena</i> , <b>2022</b> , 216, 106334	5.8	0
41	Effect of the Particle Size Composition and Dry Density on the Water Retention Characteristics of Remolded Loess. <i>Minerals (Basel, Switzerland)</i> , <b>2022</b> , 12, 698	2.4	0
40	Liquefaction within a bedding fault: Understanding the initiation and movement of the Daguangbao landslide triggered by the 2008 Wenchuan Earthquake (Ms = 8.0). <i>Engineering Geology</i> , <b>2021</b> , 295, 106455	6	7
39	A Cross-Linked Polymer Soil Stabilizer for Hillslope Conservation on the Loess Plateau. <i>Frontiers in Earth Science</i> , <b>2021</b> , 9,	3.5	3
38	Excess Pore Water Pressure within a Deep-seated Bedding Fault: Understanding of Earthquake Induced Large Landslide Initiation. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 861, 052027	0.3	
37	Study on pore pressure and fluidization evaluation method of unsaturated loess in vibration process. <i>Bulletin of Engineering Geology and the Environment</i> , <b>2021</b> , 80, 5575	4	2
36	Amylopectin Regulated Mineralization of Calcium Carbonate and Its Application in Removing of Pb(II). <i>Crystal Research and Technology</i> , <b>2021</b> , 56, 2100012	1.3	1
35	Responses of fungal communities along a chronosequence succession in soils of a tailing dam with reclamation by <i>Heteropogon contortus</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 218, 112270	7	4
34	Investigation on Physicomechanical Properties and Constitutive Model of Tuff in Mila Mountain Tunnel under Dry and Saturated Conditions. <i>Advances in Civil Engineering</i> , <b>2021</b> , 2021, 1-12	1.3	0
33	Study on detoxification and removal mechanisms of hexavalent chromium by microorganisms. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 208, 111699	7	21
32	Experimental investigation on the seismically induced cumulative damage and progressive deformation of the 2017 Xinmo landslide in China. <i>Landslides</i> , <b>2021</b> , 18, 1485-1498	6.6	4
31	The combined effects of Cu and Pb on the sex-specific growth and physiology of the dioecious <i>Populus yunnanensis</i> . <i>Environmental Research</i> , <b>2020</b> , 184, 109276	7.9	3

30	Centrifuge Model Testing of Loess Landslides Induced by Excavation in Northwest China. <i>International Journal of Geomechanics</i> , <b>2020</b> , 20, 04020022	3.1	4
29	Global patterns of soil autotrophic respiration and its relation to climate, soil and vegetation characteristics. <i>Geoderma</i> , <b>2020</b> , 369, 114339	6.7	15
28	Laboratory experiments on HMC coupling mechanisms in innovative clean foundation treatments for Zn-contaminated dredger fills. <i>Science of the Total Environment</i> , <b>2020</b> , 702, 134939	10.2	2
27	Geological and morphological study of the Daguangbao landslide triggered by the Ms. 8.0 Wenchuan earthquake, China. <i>Geomorphology</i> , <b>2020</b> , 370, 107394	4.3	5
26	A novel observation method for determining the crack stress thresholds of rock based on Hooke's law. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , <b>2020</b> , 43, 3050-3062	3	1
25	An Energy-Based Fatigue Damage Model for Sandstone Subjected to Cyclic Loading. <i>Rock Mechanics and Rock Engineering</i> , <b>2020</b> , 53, 5069-5079	5.7	8
24	Distribution and origination of zinc contamination in newly reclaimed heterogeneous dredger fills: Field investigation and numerical simulation. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 149, 110496	6.7	1
23	Centrifuge model testing of a loess landslide induced by rising groundwater in Northwest China. <i>Engineering Geology</i> , <b>2019</b> , 259, 105170	6	16
22	Roles of sulfite and internal recirculation on organic compound removal and the microbial community structure of a sulfur cycle-driven biological wastewater treatment process. <i>Chemosphere</i> , <b>2019</b> , 226, 825-833	8.4	20
21	Thiosulfate as the electron acceptor in Sulfur Bioconversion-Associated Process (SBAP) for sewage treatment. <i>Water Research</i> , <b>2019</b> , 163, 114850	12.5	20
20	Impact of polymer mixtures on the stabilization and erosion control of silty sand slope. <i>Journal of Mountain Science</i> , <b>2019</b> , 16, 470-485	2.1	9
19	Nonlinear behavior and damage model for fractured rock under cyclic loading based on energy dissipation principle. <i>Engineering Fracture Mechanics</i> , <b>2019</b> , 206, 330-341	4.2	67
18	Bioactivities and formation/utilization of soluble microbial products (SMP) in the biological sulfate reduction under different conditions. <i>Chemosphere</i> , <b>2019</b> , 221, 37-44	8.4	23
17	Landslide susceptibility modelling using GIS-based machine learning techniques for Chongren County, Jiangxi Province, China. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 1121-1135	10.2	191
16	Centrifuge model test of an irrigation-induced loess landslide in the Heifangtai loess platform, Northwest China. <i>Journal of Mountain Science</i> , <b>2018</b> , 15, 130-143	2.1	25
15	On the initiation, movement and deposition of a large landslide in Maoxian County, China. <i>Journal of Mountain Science</i> , <b>2018</b> , 15, 1319-1330	2.1	13
14	Effects of geological and tectonic characteristics on the earthquake-triggered Daguangbao landslide, China. <i>Landslides</i> , <b>2018</b> , 15, 649-667	6.6	30
13	Physicochemical and Mechanical Properties of Lime-Treated Loess. <i>Geotechnical and Geological Engineering</i> , <b>2018</b> , 36, 685-696	1.5	18

12	A novel integrated thiosulfate-driven denitritation (TDD) and anaerobic ammonia oxidation (anammox) process for biological nitrogen removal. <i>Biochemical Engineering Journal</i> , <b>2018</b> , 139, 68-73	4.2	13
11	A feasibility study on biological nitrogen removal (BNR) via integrated thiosulfate-driven denitratation with anammox. <i>Chemosphere</i> , <b>2018</b> , 208, 793-799	8.4	41
10	A comparative study on denitrifying sludge granulation with different electron donors: Sulfide, thiosulfate and organics. <i>Chemosphere</i> , <b>2017</b> , 186, 322-330	8.4	16
9	Rolling motion behavior of rockfall on gentle slope: an experimental approach. <i>Journal of Mountain Science</i> , <b>2017</b> , 14, 1550-1562	2.1	8
8	On the initiation and movement mechanisms of a catastrophic landslide triggered by the 2008 Wenchuan (Ms 8.0) earthquake in the epicenter area. <i>Landslides</i> , <b>2017</b> , 14, 805-819	6.6	18
7	Failure mechanism and kinematics of the deadly June 24th 2017 Xinmo landslide, Maoxian, Sichuan, China. <i>Landslides</i> , <b>2017</b> , 14, 2129-2146	6.6	152
6	The formation and evolution of the Qiaojia pull-apart basin, North Xiaojiang Fault Zone, Southwest China. <i>Journal of Mountain Science</i> , <b>2016</b> , 13, 1096-1106	2.1	3
5	Engineering geological classification of the structural planes for hydroelectric projects in Emeishan Basalts. <i>Journal of Mountain Science</i> , <b>2016</b> , 13, 330-341	2.1	2
4	Physicochemical and index properties of loess stabilized with lime and fly ash piles. <i>Applied Clay Science</i> , <b>2015</b> , 114, 77-84	5.2	42
3	The characteristics and failure mechanism of the largest landslide triggered by the Wenchuan earthquake, May 12, 2008, China. <i>Landslides</i> , <b>2012</b> , 9, 131-142	6.6	151
2	Sanxicun landslide: an investigation of progressive failure of a gentle bedding slope. <i>Natural Hazards</i> , 1	3	1
1	Experimental Investigation of the Fatigue Damage and Strength Characteristics of Heterogeneous Rock Mass under Cyclic Loading. <i>KSCE Journal of Civil Engineering</i> , 1	1.9	