Xiang-jun Pei

List of Publications by Citations

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	Landslide susceptibility modelling using GIS-based machine learning techniques for Chongren County, Jiangxi Province, China. *Science of the Total Environment*, **2018**, 626, 1121-1135	10.2	191
46	Failure mechanism and kinematics of the deadly June 24th 2017 Xinmo landslide, Maoxian, Sichuan, China. *Landslides*, **2017**, 14, 2129-2146	6.6	152
45	The characteristics and failure mechanism of the largest landslide triggered by the Wenchuan earthquake, May 12, 2008, China. *Landslides*, **2012**, 9, 131-142	6.6	151
44	Nonlinear behavior and damage model for fractured rock under cyclic loading based on energy dissipation principle. *Engineering Fracture Mechanics*, **2019**, 206, 330-341	4.2	67
43	Physicochemical and index properties of loess stabilized with lime and fly ash piles. *Applied Clay Science*, **2015**, 114, 77-84	5.2	42
42	A feasibility study on biological nitrogen removal (BNR) via integrated thiosulfate-driven denitratation with anammox. *Chemosphere*, **2018**, 208, 793-799	8.4	41
41	Effects of geological and tectonic characteristics on the earthquake-triggered Daguangbao landslide, China. *Landslides*, **2018**, 15, 649-667	6.6	30
40	Centrifuge model test of an irrigation-induced loess landslide in the Heifangtai loess platform, Northwest China. *Journal of Mountain Science*, **2018**, 15, 130-143	2.1	25
39	Bioactivities and formation/utilization of soluble microbial products (SMP) in the biological sulfate reduction under different conditions. *Chemosphere*, **2019**, 221, 37-44	8.4	23
38	Study on detoxification and removal mechanisms of hexavalent chromium by microorganisms. *Ecotoxicology and Environmental Safety*, **2021**, 208, 111699	7	21
37	Roles of sulfite and internal recirculation on organic compound removal and the microbial community structure of a sulfur cycle-driven biological wastewater treatment process. *Chemosphere*, **2019**, 226, 825-833	8.4	20
36	Thiosulfate as the electron acceptor in Sulfur Bioconversion-Associated Process (SBAP) for sewage treatment. *Water Research*, **2019**, 163, 114850	12.5	20
35	Physicochemical and Mechanical Properties of Lime-Treated Loess. *Geotechnical and Geological Engineering*, **2018**, 36, 685-696	1.5	18
34	On the initiation and movement mechanisms of a catastrophic landslide triggered by the 2008 Wenchuan (Ms 8.0) earthquake in the epicenter area. *Landslides*, **2017**, 14, 805-819	6.6	18
33	Centrifuge model testing of a loess landslide induced by rising groundwater in Northwest China. *Engineering Geology*, **2019**, 259, 105170	6	16
32	A comparative study on denitrifying sludge granulation with different electron donors: Sulfide, thiosulfate and organics. *Chemosphere*, **2017**, 186, 322-330	8.4	16
31	Global patterns of soil autotrophic respiration and its relation to climate, soil and vegetation characteristics. *Geoderma*, **2020**, 369, 114339	6.7	15

30	On the initiation, movement and deposition of a large landslide in Maoxian County, China. *Journal of Mountain Science*, **2018**, 15, 1319-1330	2.1	13
29	A novel integrated thiosulfate-driven denitritation (TDD) and anaerobic ammonia oxidation (anammox) process for biological nitrogen removal. *Biochemical Engineering Journal*, **2018**, 139, 68-73	4.2	13
28	Impact of polymer mixtures on the stabilization and erosion control of silty sand slope. *Journal of Mountain Science*, **2019**, 16, 470-485	2.1	9
27	Rolling motion behavior of rockfall on gentle slope: an experimental approach. *Journal of Mountain Science*, **2017**, 14, 1550-1562	2.1	8
26	An Energy-Based Fatigue Damage Model for Sandstone Subjected to Cyclic Loading. *Rock Mechanics and Rock Engineering*, **2020**, 53, 5069-5079	5.7	8
25	Liquefaction within a bedding fault: Understanding the initiation and movement of the Daguangbao landslide triggered by the 2008 Wenchuan Earthquake (Ms = 8.0). *Engineering Geology*, **2021**, 295, 106455	6	7
24	Geological and morphological study of the Daguangbao landslide triggered by the Ms. 8.0 Wenchuan earthquake, China. *Geomorphology*, **2020**, 370, 107394	4.3	5
23	Centrifuge Model Testing of Loess Landslides Induced by Excavation in Northwest China. *International Journal of Geomechanics*, **2020**, 20, 04020022	3.1	4
22	Responses of fungal communities along a chronosequence succession in soils of a tailing dam with reclamation by Heteropogon contortus. *Ecotoxicology and Environmental Safety*, **2021**, 218, 112270	7	4
21	Experimental investigation on the seismically induced cumulative damage and progressive deformation of the 2017 Xinmo landslide in China. *Landslides*, **2021**, 18, 1485-1498	6.6	4
20	The combined effects of Cu and Pb on the sex-specific growth and physiology of the dioecious Populus yunnanensis. *Environmental Research*, **2020**, 184, 109276	7.9	3
19	The formation and evolution of the Qiaojia pull-apart basin, North Xiaojiang Fault Zone, Southwest China. *Journal of Mountain Science*, **2016**, 13, 1096-1106	2.1	3
18	A Cross-Linked Polymer Soil Stabilizer for Hillslope Conservation on the Loess Plateau. *Frontiers in Earth Science*, **2021**, 9,	3.5	3
17	Characterizing the spatial distribution, frequency, geomorphological and geological controls on landslides triggered by the 1933 Mw 7.3 Diexi Earthquake, Sichuan, China. *Geomorphology*, **2022**, 403, 108177	4.3	3
16	Engineering geological classification of the structural planes for hydroelectric projects in Emeishan Basalts. *Journal of Mountain Science*, **2016**, 13, 330-341	2.1	2
15	Laboratory experiments on HMC coupling mechanisms in innovative clean foundation treatments for Zn-contaminated dredger fills. *Science of the Total Environment*, **2020**, 702, 134939	10.2	2
14	Study on pore pressure and fluidization evaluation method of unsaturated loess in vibration process. *Bulletin of Engineering Geology and the Environment*, **2021**, 80, 5575	4	2
13	An efficient manganese-oxidizing fungus Cladosporium halotolerans strain XM01: Mn(II) oxidization and Cd adsorption behavior. *Chemosphere*, **2022**, 287, 132026	8.4	2

12	Distribution and origination of zinc contamination in newly reclaimed heterogeneous dredger fills: Field investigation and numerical simulation. *Marine Pollution Bulletin*, **2019**, 149, 110496	6.7	1
11	A novel observation method for determining the crack stress thresholds of rock based on Hooke's law. *Fatigue and Fracture of Engineering Materials and Structures*, **2020**, 43, 3050-3062	3	1
10	Amylopectin Regulated Mineralization of Calcium Carbonate and Its Application in Removing of Pb(II). *Crystal Research and Technology*, **2021**, 56, 2100012	1.3	1
9	Sanxicun landslide: an investigation of progressive failure of a gentle bedding slope. *Natural Hazards*,1	3	1
8	A data-driven estimate of litterfall and forest carbon turnover and the drivers of their inter-annual variabilities in forest ecosystems across China.. *Science of the Total Environment*, **2022**, 821, 153341	10.2	0
7	Investigation on Physicomechanical Properties and Constitutive Model of Tuff in Mila Mountain Tunnel under Dry and Saturated Conditions. *Advances in Civil Engineering*, **2021**, 2021, 1-12	1.3	0
6	Earthquake-induced landslide erosion coupled to tectonics and river incision, and effects of ground motion on coupled patterns. *Catena*, **2022**, 216, 106334	5.8	0
5	Effect of the Particle Size Composition and Dry Density on the Water Retention Characteristics of Remolded Loess. *Minerals (Basel, Switzerland)*, **2022**, 12, 698	2.4	0
4	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.. *Science of the Total Environment*, **2022**, 817, 152978	10.2	
3	Excess Pore Water Pressure within a Deep-seated Bedding Fault: Understanding of Earthquake Induced Large Landslide Initiation. *IOP Conference Series: Earth and Environmental Science*, **2021**, 861, 052027	0.3	
2	Experimental Investigation of the Fatigue Damage and Strength Characteristics of Heterogeneous Rock Mass under Cyclic Loading. *KSCE Journal of Civil Engineering*,1	1.9	
1	Geology amplification of the seismic response of a large deep-seated rock slope revealed by field monitoring and geophysical methods. *Environmental Earth Sciences*, **2022**, 81, 1	2.9	