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List of Publications by Year in descending order

88 papers	1,429 citations	361388 20 h-index	395678 33 g-index
88 all docs	88 docs citations	88 times ranked	1052 citing authors

#	Article	IF	Citations
1	Compressive behavior and microstructural analysis of low and high volume fly ash concrete containing recycled concrete aggregate. European Journal of Environmental and Civil Engineering, 2022, 26, 6115-6132.	2.1	3
2	Reconstruction and effects of a failure of a typical check dam system under an extreme rainstorm on the Loess Plateau, China. Natural Hazards, 2022, 111, 1401-1419.	3.4	5
3	Study on Seepage Characteristics of Radial Flow in Rock Mass Based on Radius Effect. Geofluids, 2022, 2022, 1-18.	0.7	0
4	Exploring the brittleness and fractal characteristics of basalt fiber reinforced concrete under impact load based on the principle of energy dissipation. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	3.1	19
5	Collapse inhibition mechanism analysis and durability properties of cement-stabilized Pisha sandstone. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	3.5	11
6	Finite element modeling of drainage holes and free surface within the complex seepage control structures: an overview. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	0
7	Investigating Izbash's law on characterizing nonlinear flow in self-affine fractures. Journal of Petroleum Science and Engineering, 2022, 215, 110603.	4.2	6
8	Inversion method of hydraulic conductivity for steady-state problem based on reduced-order model constructed by improved greedy sampling method. Advances in Water Resources, 2022, 166, 104260.	3.8	0
9	Numerical simulation of concrete face rockfill dam seepage: case study of Miaojiaba dam, China. Water Management, 2021, 174, 236-251.	1.2	2
10	Multiple Nonlinear Regression Models for Predicting Deformation Behavior of Concrete-Face Rockfill Dams. International Journal of Geomechanics, 2021, 21, .	2.7	13
11	Combined influences of shear displacement, roughness, and pressure gradient on nonlinear flow in self-affine fractures. Journal of Petroleum Science and Engineering, 2021, 198, 108229.	4.2	19
12	Nonlinear Shear-Strength Reduction Technique for Stability Analysis of Uniform Cohesive Slopes with a General Nonlinear Failure Criterion. International Journal of Geomechanics, 2021, 21, .	2.7	13
13	Historical evolution of urban water conservancy projects in Xi'an, China in the past 3,000 years and its revelations. Water Science and Technology: Water Supply, 2021, 21, 2173-2190.	2.1	2
14	Leakage safety analysis of anti-seepage measures in reservoir basins: a case study of the Okinawa seawater pumped storage system in Japan. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	0
15	Effects of nylon fiber and nylon fiber fabric on the permeability of cracked concrete. Construction and Building Materials, 2021, 274, 121786.	7.2	31
16	Determination method for influence zone of pumped storage underground cavern and drainage system. Journal of Hydrology, 2021, 595, 126018.	5.4	9
17	Adhesion between asphalt molecules and acid aggregates under extreme temperature: A ReaxFF reactive molecular dynamics study. Construction and Building Materials, 2021, 285, 122882.	7.2	16
18	An XFEM-Based Analysis of Concrete Face Cracking in Rockfill Dams. Mathematical Problems in Engineering, 2021, 2021, 1-12.	1.1	2

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19	Simulation of Rainfall-Runoff Process in a Catchment with a Check-Dam System Equipped with a Perforated Riser Principal Spillway on the Loess Plateau of China. Water (Switzerland), 2021, 13, 2450.	2.7	1
20	Effect of fly ash on mechanical properties and microstructure of cellulose fiber-reinforced concrete under sulfate dryâ€“wet cycle attack. Construction and Building Materials, 2021, 302, 124207.	7.2	31
21	Numerical Analysis of Seepage for Concrete Face Rockfill Dam with Cracks Based on Block Equivalent Continuum Method. Arabian Journal for Science and Engineering, 2021, 46, 10341-10354.	3.0	7
22	Research on the correction method of the boundary water level of the mountainsides in seepage analysis. IOP Conference Series: Earth and Environmental Science, 2021, 861, 032063.	0.3	0
23	Analysis of Coupled Three-Dimensional Seepage and Temperature Fields in Fracture Network of Rock Mass. International Journal of Computational Methods, 2020, 17, 1950005.	1.3	4
24	Geometric effects on self-assemble of a BP ribbon on a CNT. Computational Materials Science, 2020, 171, 109230.	3.0	0
25	Plastic-damage analysis of concrete cutoff wall for a concrete face rockfill dam. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2020, 173, 153-168.	1.6	3
26	Comparison of ventilation methods used during tunnel construction. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 107-121.	3.1	10
27	Soil water characteristic curve test and saturated-unsaturated seepage analysis in Jiangcungou municipal solid waste landfill, China. Engineering Geology, 2020, 264, 105374.	6.3	35
28	Mechanical properties and engineering application of cellulose fiber-reinforced concrete. Materials Today Communications, 2020, 22, 100818.	1.9	20
29	Using pore size distribution and porosity to estimate particle size distribution by nuclear magnetic resonance. Soils and Foundations, 2020, 60, 1011-1019.	3.1	16
30	Numerical Simulation and Performance Assessment of Seepage Control Effect on the Fractured Surrounding Rock of the Wunonglong Underground Powerhouse. International Journal of Geomechanics, 2020, 20, .	2.7	7
31	Stability Charts for Pseudostatic Stability Analysis of Rock Slopes Using the Nonlinear Hoekâ€“Brown Strength Reduction Technique. Advances in Civil Engineering, 2020, 2020, 1-16.	0.7	4
32	Effects of seepage on a three-layered slope and its stability analysis under rainfall conditions. Natural Hazards, 2020, 102, 1269-1278.	3.4	23
33	Coupled Model of Variable Fuzzy Sets and the Analytic Hierarchy Process and its Application to the Social and Environmental Impact Evaluation of Dam Breaks. Water Resources Management, 2020, 34, 2677-2697.	3.9	18
34	Numerical Simulation of Seepage and Stability of Tailings Dams: A Case Study in Lixi, China. Water (Switzerland), 2020, 12, 742.	2.7	29
35	Numerical Simulation of the Fluidâ€“Solid Coupling Mechanism of Internal Erosion in Granular Soil. Water (Switzerland), 2020, 12, 137.	2.7	16
36	Evaluation of Dam Break Social Impact Assessments Based on an Improved Variable Fuzzy Set Model. Water (Switzerland), 2020, 12, 970.	2.7	6

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37	Tunnel ventilation during construction and diffusion of hazardous gases studied by numerical simulations. Building and Environment, 2020, 177, 106902.	6.9	26
38	Effect of surface morphology on fluid flow in rough fractures: A review. Journal of Natural Gas Science and Engineering, 2020, 79, 103343.	4.4	67
39	Piping Particle Movement using a Seepage Test Based on NMR Technology. Journal of Coastal Research, 2020, 105, .	0.3	3
40	Influence of Abutment Slope Angle Variety on the Deformation and Stress of the Concrete-Faced Rockfill Dam During Initial Impoundment. International Journal of Civil Engineering, 2019, 17, 581-595.	2.0	4
41	Discharge Coefficient of a Spillway with a Riser Perforated by Rectangular Orifices. Journal of Irrigation and Drainage Engineering - ASCE, 2019, 145, .	1.0	6
42	Experimental Investigation of the Permeability Measurement of Radial Flow through a Single Rough Fracture under Shearing Action. Advances in Civil Engineering, 2019, 2019, 1-13.	0.7	4
43	Stability Charts for Pseudostatic Stability Analysis of 3D Homogeneous Soil Slopes Using Strength Reduction Finite Element Method. Advances in Civil Engineering, 2019, 2019, 1-18.	0.7	10
44	A Comprehensive Review on Reasons for Tailings Dam Failures Based on Case History. Advances in Civil Engineering, 2019, 2019, 1-18.	0.7	89
45	Comparative and Numerical Analyses of Response of Concrete Cutoff Walls of Earthen Dams on Alluvium Foundations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	20
46	Simulation-optimization model for estimating hydraulic conductivity: a numerical case study of the Lu Dila hydropower station in China. Hydrogeology Journal, 2019, 27, 2595-2616.	2.1	8
47	Seepage Analysis of a Multilayer Waste Slope considering the Spatial and Temporal Domains of Permeability. Advances in Civil Engineering, 2019, 2019, 1-10.	0.7	5
48	Empirical Shear Strength Criterion for Artificial Joint. IOP Conference Series: Earth and Environmental Science, 2019, 283, 012029.	0.3	1
49	Performance evaluation of green-concrete pavement material containing selected C&D waste and FA in cold regions. Journal of Material Cycles and Waste Management, 2019, 21, 1550-1562.	3.0	16
50	Radial fluid flow regime in a single fracture under high hydraulic pressure during shear process. Journal of Hydrology, 2019, 579, 124142.	5.4	49
51	Simulation of drainage hole arrays and seepage control analysis of the Qingyuan Pumped Storage Power Station in China: a case study. Bulletin of Engineering Geology and the Environment, 2019, 78, 6335-6346.	3.5	19
52	Experimental Study on Seepage and Stress of Single-fracture Radiation Flow. KSCE Journal of Civil Engineering, 2019, 23, 1132-1140.	1.9	20
53	Damage performance and compressive behavior of early-age green concrete with recycled nylon fiber fabric under an axial load. Construction and Building Materials, 2019, 209, 105-114.	7.2	50
54	Analysis of the Effect of Initial Crack Length on Concrete Members Using Extended Finite Element Method. International Journal of Civil Engineering, 2019, 17, 1503-1512.	2.0	6

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55	Nano-peapods from C60-encapsulated CNTs driving self-assembly of phosphorus nanotube: A molecular dynamics study. Computational Materials Science, 2019, 160, 403-410.	3.0	5
56	New Method for Investigating Crack Development in Concrete Using an Ultrahigh-Speed Camera. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	3
57	Experimental study of compressive behavior of polypropylene-fiber-reinforced and polypropylene-fiber-fabric-reinforced concrete. Construction and Building Materials, 2019, 194, 216-225.	7.2	122
58	Performance Assessment of the Complex Seepage-Control System at the Lu Dila Hydropower Station in China. International Journal of Geomechanics, 2019, 19, .	2.7	9
59	Environmental Impact Assessment of Mining Activities on Groundwater: Case Study of Copper Mine in Jiangxi Province, China. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	1.9	20
60	A statistical analysis on concrete cut-off wall behaviour. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2018, 171, 160-173.	1.6	11
61	Differential evolution algorithm with multiple mutation strategies based on roulette wheel selection. Applied Intelligence, 2018, 48, 3612-3629.	5.3	49
62	Initial Relative Position Influencing Self-Assembly of a Black Phosphorus Ribbon on a CNT. International Journal of Molecular Sciences, 2018, 19, 4085.	4.1	6
63	Mechanical and Hydraulic Behaviors in a Single Fracture with Asperities Crushed during Shear. International Journal of Geomechanics, 2018, 18, .	2.7	27
64	Evaluating the Mesostructural Changes of Laboratory Created Soil-Rock Mixtures Using a Seepage Test Based on NMR Technology. Journal of Testing and Evaluation, 2018, 46, 879-891.	0.7	10
65	A Review of Characteristics of Landfilled Municipal Solid Waste in Several Countries: Physical Composition, Unit Weight, and Permeability Coefficient. Polish Journal of Environmental Studies, 2018, 27, 2425-2435.	1.2	43
66	Monitoring and numerical analysis of behaviour of Miaojiaba concrete-face rockfill dam built on river gravel foundation in China. Computers and Geotechnics, 2017, 85, 230-248.	4.7	46
67	Mesoscale experimental study on chemical composition, pore size distribution, and permeability of tailings. Environmental Earth Sciences, 2017, 76, 1.	2.7	5
68	3D Stability Charts for Convex and Concave Slopes in Plan View with Homogeneous Soil Based on the Strength-Reduction Method. International Journal of Geomechanics, 2017, 17, .	2.7	45
69	Investigation of Irrigation Canal Seepage Losses through Use of Four Different Methods in Hetao Irrigation District, China. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	1.9	30
70	Analysis of influence of seepage on stability of foundation pit. IOP Conference Series: Materials Science and Engineering, 2017, 207, 012093.	0.6	1
71	Simulation of the Spatial Distribution of Hydraulic Conductivity in Porous Media through Different Methods. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	6
72	Permeability Characteristics of Tailings considering Chemical and Physical Clogging in Lixi Tailings Dam, China. Journal of Chemistry, 2016, 2016, 1-8.	1.9	11

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73	Stability charts for rock mass slopes based on the Hoek-Brown strength reduction technique. Engineering Geology, 2016, 214, 94-106.	6.3	58
74	Permeability test and slope stability analysis of municipal solid waste in Jiangcungou Landfill, Shaanxi, China. Journal of the Air and Waste Management Association, 2016, 66, 655-662.	1.9	30
75	Behaviour of concrete-face rockfill dam on sand and gravel foundation. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2015, 168, 439-456.	1.6	20
76	Behaviour of concrete-face rockfill dam on sand and gravel foundation. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2015, 168, 439-456.	1.6	0
77	Transport and biodegradation modeling of gasoline spills in soilâ€“aquifer system. Environmental Earth Sciences, 2015, 74, 2871-2882.	2.7	16
78	Optimum thickness of curtain grouting on dam foundation with minimum seepage pressure resultant. Structural and Multidisciplinary Optimization, 2012, 45, 303-308.	3.5	9
79	Coupling analysis of unsteady seepage and stress fields in discrete fractures network of rock mass in dam foundation. Science China Technological Sciences, 2011, 54, 133-139.	4.0	23
80	The Dual Iteration FEM Method to Define the Seepage Free Surface for Non-Darcy Seepage. , 2010, , .		2
81	Analysis of coupled seepage and stress fields in rock mass around the Xiaowan arch dam. Communications in Numerical Methods in Engineering, 2004, 20, 607-617.	1.3	13
82	Coupled seepage and stress fields in roller compacted concrete dam. Communications in Numerical Methods in Engineering, 2004, 21, 13-21.	1.3	9
83	Multi-level fracture network model for coupled seepage and stress fields in rock mass. Communications in Numerical Methods in Engineering, 2003, 20, 63-74.	1.3	6
84	Transient Seepage Analysis of Qingyuan Power Station Underground Caverns and Drainage Hole Arrays with Excavation Process. Arabian Journal for Science and Engineering, 0, , 1.	3.0	1
85	Numerical Simulation of Drainage Holes and Performance Evaluation of the Seepage Control of Gravity Dam: A Case Study of Heihe Reservoir in China. Arabian Journal for Science and Engineering, 0, , 1.	3.0	3
86	Numerical simulation of tunnel ventilation in Jiaoxihe tunnel, China. Proceedings of the Institution of Civil Engineers: Transport, 0, , 1-13.	0.6	0
87	Numerical Simulation of Solid-Liquid Two-Phase Flow and Wear Prediction of a Hydraulic Turbine High Sediment Content. Experimental Techniques, 0, , 1.	1.5	3
88	Strength Damage Mechanism and Pore Structure Evolution of Modified Pisha-Sandstone Cement Soil with Metakaolin. Quarterly Journal of Engineering Geology and Hydrogeology, 0, , qjegh2021-162.	1.4	3