Hasan Ghasemzadeh

List of Publications by Year
in descending order

44 papers	730 citations	623734 14 h-index	580821 25 g-index
45 all docs	45 docs citations	45 times ranked	474 citing authors

#	Article	IF	Citations
1	Evaluation of strength properties of clay treated by nano-SiO₂ subjected to freezeâ€“thaw cycles. Road Materials and Pavement Design, 2022, 23, 1221-1238.	4.0	29
2	A novel clean biopolymer-based additive to improve mechanical and microstructural properties of clayey soil. Clean Technologies and Environmental Policy, 2022, 24, 969-981.	4.1	3
3	Behavior of Geocell-Reinforced Soil Abutment Wall: A Physical Modeling. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	8
4	Compressive Strength of Acrylic Polymer-Stabilized Kaolinite Clay Modified with Different Additives. ACS Omega, 2022, 7, 19204-19215.	3.5	3
5	Laboratory analyses of Kaolinite stabilized by vinyl polymers with different monomer types. Engineering Geology, 2021, 280, 105938.	6.3	20
6	Effects of thermal cycles on microstructural and functional properties of nano treated clayey soil. Engineering Geology, 2021, 280, 105929.	6.3	30
7	Effect of the Glass Transition Temperature of Acrylic Polymers on Physical and Mechanical Properties of Kaolinite Clay and Sandy Soil. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	3
8	Effects of A low-carbon emission additive on mechanical properties of fine-grained soil under freeze-thaw cycles. Journal of Cleaner Production, 2021, 304, 127157.	9.3	41
9	From excess to absolute adsorption isotherm: The effect of the adsorbed density. Chemical Engineering Journal, 2021, 425, 131495.	12.7	31
10	A new insight into the analysis of plane elasticity with coupling of numerical manifold and boundary element methods. Engineering Analysis With Boundary Elements, 2021, 133, 376-384.	3.7	4
11	Investigation of Soil Active Wedge Angle with Linear Matric Suction Distribution Below the Footing. International Journal of Civil Engineering, 2020, 18, 161-168.	2.0	7
12	Effects of Curing Method and Glass Transition Temperature on the Unconfined Compressive Strength of Acrylic Liquid Polymerâ€“Stabilized Kaolinite. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	27
13	Application of novel Persian gum hydrocolloid in soil stabilization. Carbohydrate Polymers, 2020, 246, 116639.	10.2	45
14	Modeling of Oil Transport in Porous Media Using Multiscale Method with Adaptive Mesh Refinement. Springer Series in Geomechanics and Geoengineering, 2019, , 475-485.	0.1	0
15	Determining the bearing capacity factor due to nonlinear matric suction distribution in the soil. Canadian Journal of Soil Science, 2019, 99, 434-446.	1.2	12
16	AN ELASTOPLASTIC MULTISCALE, MULTIPHYSICS MIXED GEOMECHANICAL MODEL FOR OIL RESERVOIRS USING ADAPTIVE MESH REFINEMENT METHODS. International Journal for Multiscale Computational Engineering, 2019, 17, 385-409.	1.2	3
17	Numerical Analysis of Pileâ€“Soilâ€“Pile Interaction in Pile Groups with Batter Piles. Geotechnical and Geological Engineering, 2018, 36, 2189-2215.	1.7	13
18	Experimental study of sulfuric acid effects on hydro-mechanical properties of oxide copper heap soils. Minerals Engineering, 2018, 117, 100-107.	4.3	8

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19	Effect of diesel-contamination on geotechnical properties of illite soil. Engineering Geology, 2018, 241, 55-63.	6.3	63
20	A hybrid numerical model for multiphase fluid flow in a deformable porous medium. Applied Mathematical Modelling, 2017, 45, 881-899.	4.2	8
21	Wavelet analysis for ground penetrating radar applications: a case study. Journal of Geophysics and Engineering, 2017, 14, 1189-1202.	1.4	15
22	Elastoplastic model for hydro-mechanical behavior of unsaturated soils. Soils and Foundations, 2017, 57, 371-383.	3.1	15
23	The Effect of Diesel Fuel Pollution on the Efficiency of Soil Stabilization Method. Geotechnical and Geological Engineering, 2017, 35, 475-484.	1.7	22
24	Determining the Optimum Cut-Off Grades in Sulfide Copper Deposits / OkreÅ›lanie Optymalnej WartoÅ›ci OdciÄ™cia ZawartoÅ›ci Procentowej Pierwiastka UÅ¼ytecznego W ZÅ‚oÅ¼ach Siarczku Miedzi. Archives of Mining Sciences, 2015, 60, 313-328.	0.6	5
25	A new algorithm to determine optimum cut-off grades considering technical, economical, environmental and social aspects. Resources Policy, 2015, 46, 51-63.	9.6	23
26	Dispersive thermohaline convection near salt domes: a case at Napoleonville Dome, southeast Louisiana, USA. Hydrogeology Journal, 2015, 23, 983-998.	2.1	4
27	Considering environmental costs of copper production in cut-off grades optimization. Arabian Journal of Geosciences, 2015, 8, 7109-7123.	1.3	11
28	MULTISCALE GEOMECHANICAL MODEL FOR A DEFORMABLE OIL RESERVOIR WITH SURROUNDING ROCK EFFECTS. International Journal for Multiscale Computational Engineering, 2015, 13, 533-559.	1.2	2
29	Dynamic high order numerical manifold method based on weighted residual method. International Journal for Numerical Methods in Engineering, 2014, 100, 596-619.	2.8	27
30	MULTISCALE MULTIPHYSIC MIXED GEOMECHANICAL MODEL IN DEFORMABLE POROUS MEDIA. International Journal for Multiscale Computational Engineering, 2014, 12, 529-547.	1.2	2
31	Compressional and shear wave intrinsic attenuation and velocity in partially saturated soils. Soil Dynamics and Earthquake Engineering, 2013, 51, 1-8.	3.8	15
32	Application of control volume based finite element method for solving the black-oil fluid equations. Petroleum Science, 2013, 10, 361-372.	4.9	7
33	Geotechnical properties of gas oil-contaminated kaolinite. Engineering Geology, 2013, 166, 11-16.	6.3	129
34	Vibration analysis of steel structures including the effect of panel zone flexibility based on the energy method. Earthquake Engineering and Engineering Vibration, 2013, 12, 587-598.	2.3	2
35	Fluid dispersion effects on density-driven thermohaline flow and transport in porous media. Advances in Water Resources, 2013, 61, 12-28.	3.8	21
36	A hydro-mechanical elastoplastic model for unsaturated soils under isotropic loading conditions. Computers and Geotechnics, 2013, 51, 91-100.	4.7	14

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37	Effect of subsurface hydrological properties on velocity and attenuation of compressional and shear wave in fluid-saturated viscoelastic porous media. Journal of Hydrology, 2012, 460-461, 110-116.	5.4	5
38	Well Bore Stability Using a New Dynamic Model. Petroleum Science and Technology, 2012, 30, 2066-2075.	1.5	0
39	A control volume based finite element method for simulating incompressible two-phase flow in heterogeneous porous media and its application to reservoir engineering. Petroleum Science, 2012, 9, 485-497.	4.9	8
40	Effect of soil pile structure interaction on dynamic characteristics of jacket type offshore platforms. Coupled Systems Mechanics, 2012, 1, 381-395.	0.4	11
41	A New Approach in Casing Collapse Design Using the Geomechanical Model and Heaviest Drilling Fluid. Petroleum Science and Technology, 2011, 29, 1948-1962.	1.5	2
42	Pileâ€“soilâ€“pile interaction in pile groups with batter piles under dynamic loads. Soil Dynamics and Earthquake Engineering, 2011, 31, 1159-1170.	3.8	31
43	Thermo-Hydro-Chemo-Mechanical Coupling in Environmental Geomechanics. , 2006, , 2512.		0
44	Development of a four-node quadrilateral element-based high order numerical manifold method without linear dependency. International Journal for Computational Methods in Engineering Science and Mechanics, 0, , 1-19.	2.1	1