

# Asadul Haque

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,060  
citations

279701

23  
h-index

289141

40  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1896  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of studies on CO <sub>2</sub> sequestration and caprock integrity. <i>Fuel</i> , 2010, 89, 2651-2664.	3.4	429
2	Long-term durability of basalt- and glass-fibre reinforced polymer (BFRP/GFRP) bars in seawater and sea sand concrete environment. <i>Construction and Building Materials</i> , 2017, 139, 467-489.	3.2	359
3	Experimental study of permeability and its anisotropy for shale fracture supported with proppant. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 44, 250-264.	2.1	94
4	CO <sub>2</sub> -induced mechanical behaviour of Hawkesbury sandstone in the Gosford basin: An experimental study. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 641, 123-137.	2.6	81
5	Durability of seawater and sea sand concrete filled filament wound FRP tubes under seawater environments. <i>Composites Part B: Engineering</i> , 2020, 202, 108409.	5.9	78
6	Mechanical Behaviour of Reservoir Rock Under Brine Saturation. <i>Rock Mechanics and Rock Engineering</i> , 2013, 46, 83-93.	2.6	73
7	Experimental study of impact of anisotropy and heterogeneity on gas flow in coal. Part II: Permeability. <i>Fuel</i> , 2018, 230, 397-409.	3.4	63
8	Synchrotron X-ray tomographic characterization of microstructural evolution in coal due to supercritical CO <sub>2</sub> injection at in-situ conditions. <i>Fuel</i> , 2019, 255, 115696.	3.4	60
9	Durability of pultruded GFRP tubes subjected to seawater sea sand concrete and seawater environments. <i>Construction and Building Materials</i> , 2020, 245, 118399.	3.2	57
10	A novel computational approach for large deformation and post-failure analyses of segmental retaining wall systems. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2014, 38, 1321-1340.	1.7	56
11	X-ray Computed Tomography Imaging of the Microstructure of Sand Particles Subjected to High Pressure One-Dimensional Compression. <i>Materials</i> , 2016, 9, 890.	1.3	54
12	Stress-dependent fracture porosity and permeability of fractured coal: An in-situ X-ray tomography study. <i>International Journal of Coal Geology</i> , 2019, 213, 103279.	1.9	52
13	Experimental Study on the Bearing Mechanisms of Rock-socketed Piles in Soft Rock Based on Micro X-ray CT Analysis. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 3395-3416.	2.6	48
14	Characterization of coal porosity and permeability evolution by demineralisation using image processing techniques: A micro-computed tomography study. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 56, 384-396.	2.1	47
15	Improvement of Problematic Soils by Lime Slurry Pressure Injection: Case Study. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 1459-1468.	1.5	38
16	Extensive use of waste glass in one-part alkali-activated materials: Towards sustainable construction practices. <i>Waste Management</i> , 2021, 130, 1-11.	3.7	34
17	Mechanical behaviour of wellbore materials saturated in brine water with different salinity levels. <i>Energy</i> , 2014, 66, 239-249.	4.5	32
18	A Study of the Particle-Level Fabric and Morphology of Granular Soils under One-Dimensional Compression Using Insitu X-ray CT Imaging. <i>Materials</i> , 2018, 11, 919.	1.3	30

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19	Sub- and super-critical carbon dioxide permeability of wellbore materials under geological sequestration conditions: An experimental study. <i>Energy</i> , 2013, 54, 231-239.	4.5	29
20	Modelling of intact and jointed mudstone samples under uniaxial and triaxial compression. <i>Arabian Journal of Geosciences</i> , 2013, 6, 1639-1646.	0.6	28
21	A simplified analytical model for predicting the shear behaviour of regular triangular rock/concrete joints under constant normal stiffness. <i>Geotechnique</i> , 2012, 62, 171-176.	2.2	26
22	Study of Caprock Integrity in Geosequestration of Carbon Dioxide. <i>International Journal of Geomechanics</i> , 2011, 11, 294-301.	1.3	25
23	Influence of CO <sub>2</sub> Brine Co-injection on CO <sub>2</sub> Storage Capacity Enhancement in Deep Saline Aquifers: An Experimental Study on Hawkesbury Sandstone Formation. <i>Energy &amp; Fuels</i> , 2016, 30, 4229-4243.	2.5	25
24	A review of research on the shaft resistance of rock-socketed piles. <i>Acta Geotechnica</i> , 2021, 16, 653-677.	2.9	25
25	A general SPH framework for transient seepage flows through unsaturated porous media considering anisotropic diffusion. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 387, 114169.	3.4	24
26	A Novel Testing Apparatus for Hydromechanical Investigation of Rocks: Geo-Sequestration of Carbon dioxide. <i>Rock Mechanics and Rock Engineering</i> , 2012, 45, 1073-1085.	2.6	20
27	Effects of Curing Environment on the Strength and Mineralogy of Lime-CGBS-Treated Acid Sulphate Soils. <i>Journal of Materials in Civil Engineering</i> , 2014, 26, 1003-1008.	1.3	20
28	Cyclic Filtration Apparatus for Testing Subballast under Rail Track. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 338-341.	1.5	19
29	Biochar Sequestration in Lime-Slag Treated Synthetic Soils: A Green Approach to Ground Improvement. <i>Journal of Materials in Civil Engineering</i> , 2014, 26, .	1.3	18
30	Theoretical p-y Curves for Laterally Loaded Single Piles in Undrained Clay Using Bezier Curves. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 265-268.	1.5	15
31	A New Cluster Analysis-Marker-Controlled Watershed Method for Separating Particles of Granular Soils. <i>Materials</i> , 2017, 10, 1195.	1.3	14
32	Numerical modelling of the side resistance development of piles in mudstone with direct use of sidewall roughness. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2006, 43, 987-995.	2.6	13
33	Influence of Cyclic Stress Pulse Shapes on Filtration Behavior of Railway Subballast. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 230-235.	1.5	13
34	New Pressure-Void Ratio Relationship for Structured Soils in the Virgin Compression Range. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, 06014009.	1.5	11
35	Effect of joints on p-y behaviour of laterally loaded piles socketed into mudstone. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2011, 48, 372-379.	2.6	9
36	Improvement of acid sulfate soils using lime-activated slag. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , 2014, 167, 235-248.	0.7	9

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37	Time-Dependent Strength and Mineralogy of Lime-GGBS Treated Naturally Occurring Acid Sulfate Soils. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	9
38	Experimental and Numerical Investigation of the Load-Bearing Mechanisms of Piles Socketed in Soft Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 5555-5576.	2.6	8
39	A computationally efficient SPH framework for unsaturated soils and its application to predicting the entire rainfall-induced slope failure process. <i>Geotechnique</i> , 0, , 1-19.	2.2	8
40	1-D Compression Behaviour of Acid Sulphate Soils Treated with Alkali-Activated Slag. <i>Materials</i> , 2016, 9, 289.	1.3	5
41	Discussion of "Addressing Sulfate-Induced Heave in Lime Treated Soils" by Dallas N. Little, Syam Nair, and Bruce Herbert. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 812-813.	1.5	2
42	Assessment of Some Hydraulic Properties of Slime Slurries from Sand Mining Pits Using a Modified Triaxial Cell. <i>Geotechnical and Geological Engineering</i> , 2009, 27, 115-121.	0.8	0
43	The elasto-plastic analysis of normal stress increment and stress paths for the bore wall of rock-socketed pile. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	0