

Dayakar Penumadu

List of Publications by Year in descending order

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papers

442
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840776

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times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart Polymer Composite Deck Monitoring Using Distributed High Definition and Bragg Grating Fiber Optic Sensing. <i>Sensors</i> , 2022, 22, 4089.	3.8	1
2	Pore Space and Fluid Phase Characterization in Round and Angular Partially Saturated Sands Using Radiation-Based Tomography and Persistent Homology. <i>Transport in Porous Media</i> , 2021, 137, 131-155.	2.6	6
3	Thermo-mechanical characterization of discontinuous recycled/repurposed carbon fiber reinforced thermoplastic organosheet composites. <i>Journal of Composite Materials</i> , 2021, 55, 3409-3423.	2.4	9
4	Effect of Particle Morphology on Stiffness, Strength and Volumetric Behavior of Rounded and Angular Natural Sand. <i>Materials</i> , 2021, 14, 3023.	2.9	10
5	Nonlinear elastic response of pan based carbon fiber to tensile loading and relations to microstructure. <i>Carbon</i> , 2021, 178, 133-143.	10.3	22
6	Influence of Friction and Particle Morphology on Triaxial Shearing of Granular Materials. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	9
7	Visualization of Localized Deformations of Sand in Drained Triaxial Compression Using Digital Image Correlation. <i>Geotechnical Testing Journal</i> , 2021, 44, 20190096.	1.0	3
8	Role of particle shape in determining tensile strength and energy release in diametrical compression of natural silica grains. <i>Soils and Foundations</i> , 2020, 60, 1299-1311.	3.1	9
9	Projectile penetration in granular material. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
10	Smart Adhesive Joint with High-Definition Fiber-Optic Sensing for Automotive Applications. <i>Sensors</i> , 2020, 20, 614.	3.8	13
11	Damage evolution in VARTM-based carbon fiber vinyl ester marine composites and sea water effects. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 2057-2076.	3.5	5
12	Full-scale bridge damage identification using time series analysis of a dense array of geophones excited by drop weight. <i>Structural Control and Health Monitoring</i> , 2016, 23, 982-997.	4.0	8
13	Meso-scale framework for modeling granular material using computed tomography. <i>Computers and Geotechnics</i> , 2016, 76, 140-146.	4.7	24
14	Uncoupled dual hardening model for clays considering the effect of overconsolidation and intermediate principal stress. <i>Acta Geotechnica</i> , 2015, 10, 607-622.	5.7	7
15	⁶ Li Embedded Biaxially Stretched Scintillation Films for Thermal Neutron Detection and Neutron/Gamma Discrimination. <i>Advanced Engineering Materials</i> , 2014, 16, 196-201.	3.5	14
16	Crystallographic Characterization: 3D Mapping of Crystallographic Phase Distribution using Energy-Selective Neutron Tomography (Adv. Mater. 24/2014). <i>Advanced Materials</i> , 2014, 26, 4068-4068.	21.0	0
17	Effect of Multi-Axial Loading on Residual Strain Tensor for 12L14 Steel Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 3806-3813.	2.2	2
18	High-Resolution Neutron and X-Ray Imaging of Granular Materials. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 715-723.	3.0	58

#	ARTICLE	IF	CITATIONS
19	Neutron Scattering for Moisture Detection in Foamed Asphalt. Journal of Materials in Civil Engineering, 2013, 25, 932-938.	2.9	32
20	Detection of water with high sensitivity to study polymer electrolyte fuel cell membranes using cold neutrons at high spatial resolution. Applied Physics Letters, 2013, 102, .	3.3	10
21	Thin Film Polymer Composite Scintillators for Thermal Neutron Detection. Journal of Composites, 2013, 2013, 1-8.	0.8	9
22	Water Distribution Variation in Partially Saturated Granular Materials Using Neutron Imaging. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 147-154.	3.0	47
23	Combined Effect of Loading and Cold Temperature on the Stiffness of Glass Fiber Composites. Journal of Composites for Construction, 2010, 14, 224-230.	3.2	10
24	Nano and neutron science applications for geomechanics. KSCE Journal of Civil Engineering, 2009, 13, 233-242.	1.9	17
25	Characterizing microstructure of refractory porous materials. Journal of Materials Science, 2006, 41, 3403-3415.	3.7	8
26	Strain Localization in Combined Axial-Torsional Testing on Kaolin Clay. Journal of Engineering Mechanics - ASCE, 2006, 132, 555-564.	2.9	36
27	EFFECT OF OVERCONSOLIDATION AND ANISOTROPY OF KAOLIN CLAY USING TRUE TRIAXIAL TESTING. Soils and Foundations, 2005, 45, 71-82.	0.7	13
28	Experimental Investigation on Principal Stress Rotation in Kaolin Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 633-642.	3.0	48
29	Automated Digital Image Based Measurement of Boundary Fractal Dimension for Complex Nanoparticles. Particle and Particle Systems Characterization, 2003, 20, 18-24.	2.3	10