Amit Prashant

List of Publications by Year
in descending order

33 papers	406 citations	933447 10 h-index	752698 20 g-index
34 all docs	34 docs citations	34 times ranked	286 citing authors

#	Article	IF	Citations
1	Simplified 1D Elastic Modeling of Duo-Pile Foundation System Incorporating the Interaction Mechanisms Prevailing under Lateral Loads. Journal of Bridge Engineering, 2022, 27, .	2.9	0
2	Mechanical behaviour of granular media in flexible boundary plane strain conditions: experiment and level-set discrete element modelling. Acta Geotechnica, 2021, 16, 113-132.	5.7	6
3	A rate-dependent model for sand to predict constitutive response and instability onset. Acta Geotechnica, 2021, 16, 93-111.	5.7	7
4	Load Factors for the Estimation of Internal Forces in the Stem of Cantilever Retaining Wall with Shear Key Under Seismic Loading. Lecture Notes in Civil Engineering, 2021, , 309-316.	0.4	0
5	Computing Seismic Displacements of Cantilever Retaining Wall Using Double Wedge Model. Springer Transactions in Civil and Environmental Engineering, 2021, , 475-487.	0.4	1
6	Investigation of Instabilities in Granular Media and Their Numerical Simulation. Indian Geotechnical Journal, 2021, 51, 552-566.	1.4	0
7	Stress Path Tests with Local Deformation Profile in Flexible Boundary Plane Strain Device. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	1
8	Computation of seismic translational and rotational displacements of cantilever retaining wall with shear key. Soil Dynamics and Earthquake Engineering, 2020, 130, 105966.	3.8	11
9	Perturbation Intensity and Mesh Convergence in Coupled Undrained Instability Analysis in Sands under Biaxial Loading. International Journal of Geomechanics, 2020, 20, .	2.7	2
10	Effect of Loading Boundary Conditions in Plane Strain Mechanical Response and Local Deformations in Sand Specimens. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, 04020086.	3.0	3
11	Reply of authors to: Discussion on "Double wedge model for computing seismic sliding displacements of cantilever retaining walls" by R. Conti and N.Cusano. Soil Dynamics and Earthquake Engineering, 2019, 121, 464-465.	3.8	0
12	Double wedge model for computing seismic sliding displacements of cantilever retaining walls. Soil Dynamics and Earthquake Engineering, 2019, 116, 570-579.	3.8	6
13	Stress-state dependency of small-strain shear modulus in silty sand and sandy silt of Ganga. Geotechnique, 2019, 69, 42-56.	4.0	24
14	Instability Analysis of Sand under Undrained Biaxial Loading with Rigid and Flexible Boundary. International Journal of Geomechanics, 2017, 17, .	2.7	10
15	Estimation of Small-Strain Shear Modulus of Embankment Soils Before Construction Using Bender Elements in Compaction Test. Indian Geotechnical Journal, 2017, 47, 208-217.	1.4	2
16	Analysis of Various Drained and Undrained Instability Modes in Medium Dense Sand Subjected to Biaxial Loading Conditions. , 2017, , .		0
17	GPR Signatures of Pipes and Walls with Emphasis on the Effect of Inclined Scanning Trajectory. Geotechnical and Geological Engineering, 2017, 35, 1977-1989.	1.7	2
18	Seismic analysis of nailed soil slope considering interface effects. Soil Dynamics and Earthquake Engineering, 2017, 100, 480-491.	3.8	14

#	Article	IF	Citations
19	Drained instability analysis of sand under biaxial loading using a 3D material model. Computers and Geotechnics, 2016, 79, 130-145.	4.7	9
20	Uncoupled dual hardening model for clays considering the effect of overconsolidation and intermediate principal stress. Acta Geotechnica, 2015, 10, 607-622.	5.7	7
21	GPR Data Analysis of Weak Signals Using Modified S-Transform. Geotechnical and Geological Engineering, 2015, 33, 1167-1182.	1.7	8
22	Estimation of the Linear Spring Constant for a Laterally Loaded Monopile Embedded in Nonlinear Soil. International Journal of Geomechanics, 2015, 15, .	2.7	9
23	Difficulties in 1D Modelling and Analysis of Monopile subjected to Lateral Force. , 2014, , .		1
24	Development of Intermediate Microfabric in Kaolin Clay and Its Consolidation Behaviour. Geotechnical and Geological Engineering, 2013, 31, 23-34.	1.7	7
25	Nonlinear Dynamic Analysis and Seismic Coefficient for Abutments and Retaining Walls. Earthquake Spectra, 2013, 29, 427-451.	3.1	15
26	Significance of Interface Nonlinearity on the Seismic Response of a Well-Pier System in Cohesionless Soil. Earthquake Spectra, 2012, 28, 1117-1145.	3.1	10
27	Simplified seismic analysis of soil–well–pier system for bridges. Soil Dynamics and Earthquake Engineering, 2012, 32, 42-55.	3.8	18
28	Analysis of buried pipelines subjected to reverse fault motion. Soil Dynamics and Earthquake Engineering, 2011, 31, 930-940.	3.8	111
29	Effect of Microfabric on Mechanical Behavior of Kaolin Clay Using Cubical True Triaxial Testing. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 433-444.	3.0	26
30	Single Hardening Elasto-Plastic Model for Kaolin Clay with Loading-History-Dependent Plastic Potential Function. International Journal of Geomechanics, 2006, 6, 55-63.	2.7	7
31	EFFECT OF OVERCONSOLIDATION AND ANISOTROPY OF KAOLIN CLAY USING TRUE TRIAXIAL TESTING. Soils and Foundations, 2005, 45, 71-82.	0.7	13
32	A laboratory study of normally consolidated kaolin clay. Canadian Geotechnical Journal, 2005, 42, 27-37.	2.8	29
33	Effect of Intermediate Principal Stress on Overconsolidated Kaolin Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 284-292.	3.0	47