

Amit Prashant

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2797761/publications.pdf>

Version: 2024-02-01

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	Analysis of buried pipelines subjected to reverse fault motion. Soil Dynamics and Earthquake Engineering, 2011, 31, 930-940.	3.8	111
2	Effect of Intermediate Principal Stress on Overconsolidated Kaolin Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 284-292.	3.0	47
3	A laboratory study of normally consolidated kaolin clay. Canadian Geotechnical Journal, 2005, 42, 27-37.	2.8	29
4	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
5	Stress-state dependency of small-strain shear modulus in silty sand and sandy silt of Ganga. Geotechnique, 2019, 69, 42-56.	4.0	24
6	Simplified seismic analysis of soil-well-pier system for bridges. Soil Dynamics and Earthquake Engineering, 2012, 32, 42-55.	3.8	18
7	Nonlinear Dynamic Analysis and Seismic Coefficient for Abutments and Retaining Walls. Earthquake Spectra, 2013, 29, 427-451.	3.1	15
8	Seismic analysis of nailed soil slope considering interface effects. Soil Dynamics and Earthquake Engineering, 2017, 100, 480-491.	3.8	14
9	EFFECT OF OVERCONSOLIDATION AND ANISOTROPY OF KAOLIN CLAY USING TRUE TRIAXIAL TESTING. Soils and Foundations, 2005, 45, 71-82.	0.7	13
10	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
11	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
12	Instability Analysis of Sand under Undrained Biaxial Loading with Rigid and Flexible Boundary. International Journal of Geomechanics, 2017, 17, .	2.7	10
13	Estimation of the Linear Spring Constant for a Laterally Loaded Monopile Embedded in Nonlinear Soil. International Journal of Geomechanics, 2015, 15, .	2.7	9
14	Drained instability analysis of sand under biaxial loading using a 3D material model. Computers and Geotechnics, 2016, 79, 130-145.	4.7	9
15	GPR Data Analysis of Weak Signals Using Modified S-Transform. Geotechnical and Geological Engineering, 2015, 33, 1167-1182.	1.7	8
16	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
17	Development of Intermediate Microfabric in Kaolin Clay and Its Consolidation Behaviour. Geotechnical and Geological Engineering, 2013, 31, 23-34.	1.7	7
18	Uncoupled dual hardening model for clays considering the effect of overconsolidation and intermediate principal stress. Acta Geotechnica, 2015, 10, 607-622.	5.7	7

#	ARTICLE	IF	CITATIONS
19	A rate-dependent model for sand to predict constitutive response and instability onset. <i>Acta Geotechnica</i> , 2021, 16, 93-111.	5.7	7
20	Double wedge model for computing seismic sliding displacements of cantilever retaining walls. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 116, 570-579.	3.8	6
21	Mechanical behaviour of granular media in flexible boundary plane strain conditions: experiment and level-set discrete element modelling. <i>Acta Geotechnica</i> , 2021, 16, 113-132.	5.7	6
22	Effect of Loading Boundary Conditions in Plane Strain Mechanical Response and Local Deformations in Sand Specimens. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, 04020086.	3.0	3
23	Estimation of Small-Strain Shear Modulus of Embankment Soils Before Construction Using Bender Elements in Compaction Test. <i>Indian Geotechnical Journal</i> , 2017, 47, 208-217.	1.4	2
24	GPR Signatures of Pipes and Walls with Emphasis on the Effect of Inclined Scanning Trajectory. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 1977-1989.	1.7	2
25	Perturbation Intensity and Mesh Convergence in Coupled Undrained Instability Analysis in Sands under Biaxial Loading. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	2
26	Difficulties in 1D Modelling and Analysis of Monopile subjected to Lateral Force. , 2014, , .		1
27	Computing Seismic Displacements of Cantilever Retaining Wall Using Double Wedge Model. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 475-487.	0.4	1
28	Stress Path Tests with Local Deformation Profile in Flexible Boundary Plane Strain Device. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	1
29	Analysis of Various Drained and Undrained Instability Modes in Medium Dense Sand Subjected to Biaxial Loading Conditions. , 2017, , .		0
30	Reply of authors to: Discussion on "Double wedge model for computing seismic sliding displacements of cantilever retaining walls" by R. Conti and N.Cusano. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 121, 464-465.	3.8	0
31	Load Factors for the Estimation of Internal Forces in the Stem of Cantilever Retaining Wall with Shear Key Under Seismic Loading. <i>Lecture Notes in Civil Engineering</i> , 2021, , 309-316.	0.4	0
32	Investigation of Instabilities in Granular Media and Their Numerical Simulation. <i>Indian Geotechnical Journal</i> , 2021, 51, 552-566.	1.4	0
33	Simplified 1D Elastic Modeling of Duo-Pile Foundation System Incorporating the Interaction Mechanisms Prevailing under Lateral Loads. <i>Journal of Bridge Engineering</i> , 2022, 27, .	2.9	0