

Sima Ghosh

List of Publications by Year in descending order

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50
papers

494
citations

759055

12
h-index

752573

20
g-index

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all docs

50
docs citations

50
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved backtracking search algorithm for pseudo dynamic active earth pressure on retaining wall supporting c- ϕ backfill. Applied Soft Computing Journal, 2017, 52, 885-897.	4.1	62
2	Pseudo-dynamic active force and pressure behind battered retaining wall supporting inclined backfill. Soil Dynamics and Earthquake Engineering, 2010, 30, 1226-1232.	1.9	40
3	A Hybrid Symbiosis Organisms Search algorithm and its application to real world problems. Memetic Computing, 2017, 9, 261-280.	2.7	34
4	Pseudo-Dynamic Active Response of Non-Vertical Retaining Wall Supporting c- ϕ Backfill. Geotechnical and Geological Engineering, 2010, 28, 633-641.	0.8	32
5	Seismic Active Earth Pressure on the Back of Battered Retaining Wall Supporting Inclined Backfill. International Journal of Geomechanics, 2012, 12, 54-63.	1.3	30
6	Pseudo-dynamic analysis for bearing capacity of foundation resting on c- ϕ soil. International Journal of Geotechnical Engineering, 2015, 9, 379-387.	1.1	25
7	Seismic Bearing Capacity of Shallow Strip Footing with Coulomb Failure Mechanism using Limit Equilibrium Method. Geotechnical and Geological Engineering, 2017, 35, 2647-2661.	0.8	22
8	Parameters Optimization of Geotechnical Problem Using Different Optimization Algorithm. Geotechnical and Geological Engineering, 2015, 33, 1235-1253.	0.8	21
9	Liquefaction potential of Agartala City in Northeast India using a GIS platform. Bulletin of Engineering Geology and the Environment, 2019, 78, 2919-2931.	1.6	20
10	Pseudo-dynamic evaluation of passive response on the back of a retaining wall supporting c- ϕ backfill. Geomechanics and Geoengineering, 2012, 7, 115-121.	0.9	16
11	Reconnaissance report on geotechnical effects and structural damage caused by the 3 January 2017 Tripura earthquake, India. Natural Hazards, 2019, 98, 425-450.	1.6	16
12	Analysis of slope using modified pseudo-dynamic method. International Journal of Geotechnical Engineering, 2018, 12, 337-346.	1.1	14
13	Swedish Circle Method for Pseudo-dynamic Analysis of Slope Considering Circular Failure Mechanism. Geotechnical and Geological Engineering, 2020, 38, 2573-2589.	0.8	14
14	Pseudo-Dynamic Bearing Capacity of Shallow Strip Footing Resting on c- ϕ Soil Considering Composite Failure Surface. International Journal of Geotechnical Earthquake Engineering, 2015, 6, 12-34.	0.3	13
15	Analysis of slope considering circular rupture surface. International Journal of Geotechnical Engineering, 2016, 10, 288-296.	1.1	13
16	Seismic bearing capacity of shallow strip footing using horizontal slice method. International Journal of Geotechnical Engineering, 2017, 11, 38-50.	1.1	13
17	Pseudostatic Analysis of Shallow Strip Footing Resting on Two-Layered Soil. International Journal of Geomechanics, 2018, 18, .	1.3	13
18	Modified pseudo-dynamic bearing capacity analysis of shallow strip footing considering total seismic wave. International Journal of Geotechnical Engineering, 2020, 14, 101-109.	1.1	9

#	ARTICLE	IF	CITATIONS
19	Pseudo-static Analysis of Reinforced Earth Retaining Wall considering Non-linear Failure Surface. Geotechnical and Geological Engineering, 2016, 34, 981-990.	0.8	8
20	Experimental and Numerical Study of Soil Slopes at Varying Water Content Under Dynamic Loading Condition. International Journal of Civil Engineering, 2020, 18, 215-229.	0.9	8
21	Nonlinear Failure Surface and Pseudodynamic Passive Resistance of a Battered-Faced Retaining Wall Supporting c- ϕ Backfill. International Journal of Geomechanics, 2014, 14, .	1.3	7
22	Pseudodynamic Bearing Capacity Analysis of Shallow Strip Footing Using the Advanced Optimization Technique "Hybrid Symbiosis Organisms Search Algorithm" with Numerical Validation. Advances in Civil Engineering, 2018, 2018, 1-18.	0.4	6
23	Seismic stability of slope using modified pseudo-dynamic method. International Journal of Geotechnical Engineering, 2019, 13, 548-559.	1.1	6
24	Modified Pseudo-dynamic Bearing Capacity of Shallow Strip Footing Considering Fully Log-Spiral Passive Zone with Global Center. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 683-693.	1.0	6
25	Application of HSOS algorithm on pseudo-dynamic bearing capacity of shallow strip footing along with numerical analysis. International Journal of Geotechnical Engineering, 2021, 15, 1298-1311.	1.1	5
26	Pseudo-Static Analysis of Slope Considering Circular Rupture Surface. International Journal of Geotechnical Earthquake Engineering, 2014, 5, 37-43.	0.3	4
27	Pseudo-Static Bearing Capacity Analysis of Shallow Strip Footing over Two-Layered Soil Considering Punching Shear Failure. Geotechnical and Geological Engineering, 2019, 37, 3749-3770.	0.8	4
28	Seismic Bearing Capacity of Strip Footing Resting on Reinforced Layered Soil Using Chaotic Particle Swarm Optimization Technique. Geotechnical and Geological Engineering, 2020, 38, 5489-5509.	0.8	4
29	Analysis of Soil Nail Excavation Considering Rayleigh Wave with Log-Spiral Failure Surface. International Journal of Geosynthetics and Ground Engineering, 2016, 2, 1.	0.9	3
30	Response of Slope Made Up of Soil and Other Waste Materials under Sinusoidal Motion. Advances in Materials Science and Engineering, 2017, 2017, 1-16.	1.0	3
31	Modified Pseudo-dynamic Bearing Capacity of Strip Footing Resting on Layered Soil. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 2733-2763.	1.0	3
32	Formulation of Seismic Passive Resistance of Retaining Wall Backfilled with c-F Soil. International Journal of Geotechnical Earthquake Engineering, 2012, 3, 15-24.	0.3	2
33	Pseudo-dynamic passive resistance of battered-faced retaining wall supporting c- ϕ backfill considering Rayleigh wave. International Journal of Geotechnical Engineering, 2014, 8, 396-405.	1.1	2
34	Active Earth Pressure on Retaining Wall Supporting c- ϕ Backfill Considering Rayleigh Wave. Indian Geotechnical Journal, 2015, 45, 121-134.	0.7	2
35	Influence of Length to Diameter Ratio on Strength Parameters of Offshore Monopiles. Lecture Notes in Civil Engineering, 2019, , 201-208.	0.3	2
36	Seismic analysis of slope considering log-spiral failure surface with numerical validation. International Journal of Geo-Engineering, 2020, 11, 1.	0.9	2

#	ARTICLE	IF	CITATIONS
37	Experimental and numerical studies of three-layered unreinforced and geosynthetic-reinforced soil slopes. <i>Innovative Infrastructure Solutions</i> , 2021, 6, 1.	1.1	2
38	Stability Analysis of Layered Soil Slope Using Truncated Pile with Numerical Solution. <i>Transportation Infrastructure Geotechnology</i> , 2022, 9, 272-301.	1.9	2
39	New pseudo-dynamic analysis of two-layered cohesive-friction soil slope and its numerical validation. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 1492-1508.	1.2	2
40	Non-linear failure surface analysis of seismic active earth pressure on retaining wall considering Rayleigh waves. <i>International Journal of Geotechnical Engineering</i> , 2016, 10, 476-486.	1.1	1
41	Seismic Stability of Slope Considering Rayleigh Wave. <i>Journal of Earthquake Engineering</i> , 2019, 23, 141-159.	1.4	1
42	Probabilistic assessment and study of earthquake recurrence models for entire Northeast region of India. <i>Natural Hazards</i> , 2020, 102, 15-45.	1.6	1
43	Pseudo-Dynamic Active Earth Pressure on Battered Face Retaining Wall Supporting $c-\hat{\gamma}$ Backfill Considering Curvilinear Rupture Surface. <i>International Journal of Geotechnical Earthquake Engineering</i> , 2014, 5, 39-57.	0.3	1
44	Force Polygon and Seismic Active Earth Pressure on the Back of a Retaining Wall Supporting $c-F$ Backfill. <i>International Journal of Geotechnical Earthquake Engineering</i> , 2011, 2, 20-28.	0.3	0
45	Pseudo-Dynamic Evolution of Seismic Passive Earth Force and Pressure Behind Retaining Wall. <i>International Journal of Geotechnical Earthquake Engineering</i> , 2011, 2, 1-15.	0.3	0
46	Sliding Stability of Retaining Wall Supporting $c-\hat{\gamma}$ Backfill under Pseudo-Statically Seismic Active Load. <i>International Journal of Geotechnical Earthquake Engineering</i> , 2013, 4, 1-16.	0.3	0
47	Pseudo-static passive response of retaining wall supporting $\hat{\gamma}$ backfill. <i>International Journal of Geotechnical Engineering</i> , 2014, 8, 94-101.	1.1	0
48	Pseudo-dynamic analysis of seawall considering non-breaking wave force. <i>International Journal of Geotechnical Engineering</i> , 2017, 11, 393-404.	1.1	0
49	Total seismic analysis of slope considering logarithmic spiral failure surface. <i>Geomechanics and Geoengineering</i> , 0, , 1-21.	0.9	0
50	Modified pseudo-dynamic analysis of slope considering logarithmic spiral failure surface with numerical solution. <i>Australian Journal of Civil Engineering</i> , 0, , 1-25.	0.6	0