

# Reza Jamshidi Chenari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6200002/publications.pdf>

Version: 2024-02-01

112  
papers

1,726  
citations

304368

22  
h-index

433756

31  
g-index

117  
all docs

117  
docs citations

117  
times ranked

501  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined load bearing capacity of rigid piles embedded in a cross-anisotropic clay deposit using 3D finite element lower bound. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2023, 15, 717-737.	3.7	8
2	A Study on the Seismic Passive Earth Pressure on Rigid Retaining Walls Considering Seismic Acceleration Field. <i>Journal of Earthquake Engineering</i> , 2023, 27, 2013-2033.	1.4	0
3	Pseudo-static internal stability analysis of geosynthetic-reinforced earth slopes using horizontal slices method. <i>Geomechanics and Geoengineering</i> , 2022, 17, 1417-1442.	0.9	8
4	A framework to predict the load-settlement behavior of shallow foundations in a range of soils from silty clays to sands using CPT records. <i>Soft Computing</i> , 2022, 26, 3545-3560.	2.1	2
5	An experimental investigation on geotechnical properties of a clayey soil stabilised with lime and zeolite in base and subbase courses. <i>Road Materials and Pavement Design</i> , 2022, 23, 2924-2941.	2.0	11
6	Limit Analysis of Lateral Earth Pressure on Geosynthetic-Reinforced Retaining Structures Subjected to Strip Footing Loading Using Finite Element and Second-Order Cone Programming. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 3181-3192.	1.0	9
7	Efficiency of various mitigation schemes in the alleviation of the destructive effect of reverse dip-slip fault rupture on surface and embedded shallow foundations using upper bound finite element limit analysis. <i>Computers and Geotechnics</i> , 2022, 142, 104548.	2.3	12
8	Seismic Bearing Capacity of Geosynthetic Reinforced Strip Footings Using Upper Bound Limit Analysis. <i>International Journal of Geomechanics</i> , 2022, 22, .	1.3	12
9	Optimized selection of axial pile bearing capacity predictive methods based on multi-criteria decision-making (MCDM) models and database approach. <i>Soft Computing</i> , 2022, 26, 5865-5881.	2.1	4
10	RLEM versus RFEM in Stochastic Slope Stability Analyses in Geomechanics. , 2022, , .		2
11	General failure envelope of eccentrically and obliquely loaded strip footings resting on an inherently anisotropic granular medium. <i>Computers and Geotechnics</i> , 2022, 146, 104734.	2.3	26
12	Lower Bound Finite Element Limit Analysis of Geo-Structures with Non-Associated Flow Rule. <i>Computers and Geotechnics</i> , 2022, 147, 104803.	2.3	20
13	Low plasticity clay stabilized with cement and zeolite: An experimental and environmental impact study. <i>Resources, Conservation and Recycling</i> , 2022, 184, 106408.	5.3	17
14	Interaction of rigid shallow foundation with dip-slip normal fault rupture outcrop: effective parameters and retrofitting strategies. <i>Computers and Geotechnics</i> , 2022, 149, 104866.	2.3	7
15	Analysis of the stiffness and damping characteristics of compacted sand-in-fines granular composites: a multiscale investigation. <i>Granular Matter</i> , 2022, 24, .	1.1	4
16	Investigation of Water-Retention Characteristics of Alkali-Activated Clay-Fly Ash Using Small Geotechnical Centrifuge. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	1.3	2
17	Spectral bearing capacity analysis of strip footings under pseudo-dynamic excitation. <i>Geomechanics and Geoengineering</i> , 2021, 16, 359-378.	0.9	17
18	Surface altering optimisation in slope stability analysis with non-circular failure for random limit equilibrium method. <i>Georisk</i> , 2021, 15, 260-286.	2.6	18

#	ARTICLE	IF	CITATIONS
19	Probabilistic Analysis of Slopes with Linearly Increasing Undrained Shear Strength Using RLEM Approach. <i>Transportation Infrastructure Geotechnology</i> , 2021, 8, 114-141.	1.9	11
20	Large Scale Direct Shear Experiments to Study Monotonic and Cyclic Behavior of Sand Treated By Polyethylene Terephthalate Strips. <i>International Journal of Civil Engineering</i> , 2021, 19, 533-548.	0.9	3
21	Pseudo-static Seismic Bearing Capacity of Shallow Foundations in Unsaturated Soils Employing Limit Equilibrium Method. <i>Geotechnical and Geological Engineering</i> , 2021, 39, 943-956.	0.8	22
22	Seismic bearing capacity of shallow foundations rested on anisotropic deposits. <i>International Journal of Geotechnical Engineering</i> , 2021, 15, 181-192.	1.1	19
23	An Investigation on the Settlement of Shallow Foundations Resting on Cross-Anisotropic Soil Deposits. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021, 45, 1769-1790.	1.0	4
24	Limit Analysis of Modified Pseudodynamic Lateral Earth Pressure in Anisotropic Frictional Medium Using Finite-Element and Second-Order Cone Programming. <i>International Journal of Geomechanics</i> , 2021, 21, .	1.3	49
25	Influence of Geotechnical Site Investigation in Horizontal Plane on Slope Reliability. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021, 45, 1791-1803.	1.0	3
26	A sustainable landfill liner material: clay-fly ash geopolymers. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 4111-4124.	1.6	19
27	Effect of Roughness on Seismic Bearing Capacity of Shallow Foundations near Slopes Using the Lower Bound Finite Element Method. <i>International Journal of Geomechanics</i> , 2021, 21, .	1.3	27
28	Compositional effects of clay-fly ash geopolymers on the sorption process of lead and zinc. <i>Journal of Environmental Quality</i> , 2021, 50, 768-781.	1.0	9
29	Limit analysis of lateral earth pressure on geosynthetic-reinforced retaining structures using finite element and second-order cone programming. <i>Computers and Geotechnics</i> , 2021, 134, 104119.	2.3	46
30	Effect of transformation uncertainty of soil design parameters on stochastic slope stability evaluations. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	1
31	Lower-Bound Seismic Bearing Capacity of a Strip Footing Adjacent to an Existing Footing on Sand. <i>International Journal of Geomechanics</i> , 2021, 21, .	1.3	5
32	Sorption Kinetics of Lead and Zinc Ions by Clay-Fly Ash Geopolymers. <i>Environmental Engineering Science</i> , 2021, 38, 729-741.	0.8	6
33	Lower bound analysis of modified pseudo-dynamic lateral earth pressures for retaining wall-backfill system with depth-varying damping using FEM-second order cone programming. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021, 45, 2371-2387.	1.7	32
34	Noncircular Deterministic and Stochastic Slope Stability Analyses and Design of Simple Geosynthetic-Reinforced Soil Slopes. <i>International Journal of Geomechanics</i> , 2021, 21, .	1.3	12
35	Active lateral earth pressure of geosynthetic-reinforced retaining walls with inherently anisotropic frictional backfills subjected to strip footing loading. <i>Computers and Geotechnics</i> , 2021, 137, 104302.	2.3	25
36	Use of GMDH-type neural network to model the mechanical behavior of a cement-treated sand. <i>Neural Computing and Applications</i> , 2021, 33, 15305-15318.	3.2	6

#	ARTICLE	IF	CITATIONS
37	Assessment of the compression characteristics and coefficient of lateral earth pressure of aggregate-expanded polystyrene beads composite fill-backfill using large oedometer experiments. <i>Construction and Building Materials</i> , 2021, 302, 124145.	3.2	16
38	Behavior of granular column-improved clay under cyclic shear loading. <i>Transportation Geotechnics</i> , 2021, 31, 100654.	2.0	8
39	Three-Dimensional Finite-Element Lower Bound Solutions for Lateral Limit Load of Piles Embedded in Cross-Anisotropic Clay Deposits. <i>International Journal of Geomechanics</i> , 2021, 21, .	1.3	14
40	Effect of Nanosilica on the Macro- and Microbehavior of Dispersive Clays. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	9
41	Conventional vs. modified pseudo-dynamic seismic analyses in the shallow strip footing bearing capacity problem. <i>Earthquake Engineering and Engineering Vibration</i> , 2021, 20, 993-1006.	1.1	12
42	Effect of EPS beads in lightening a typical zeolite and cement-treated sand. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 8615-8632.	1.6	32
43	Influence of random heterogeneity of the friction angle on bearing capacity factor $N_{\phi}^3$ . <i>Georisk</i> , 2020, 14, 69-89.	2.6	15
44	An Experimental Study for the Cyclic Interface Properties of the EPS-sand Mixtures Reinforced with Geogrid. <i>International Journal of Civil Engineering</i> , 2020, 18, 151-159.	0.9	22
45	Two-Dimensional Random Field Conditioned by CPT Data: Case Study. <i>International Journal of Civil Engineering</i> , 2020, 18, 123-136.	0.9	6
46	Shaking Table Study on PET Strips-Sand Mixtures Using Laminar Box Modelling. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 683-694.	0.8	6
47	A Simple Review of Cemented Non-conventional Materials: Soil Composites. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 1019-1040.	0.8	34
48	Reliability based assessment of axial pile bearing capacity: static analysis, SPT and CPT-based methods. <i>Georisk</i> , 2020, 14, 216-230.	2.6	13
49	Elastic Dynamic Young's Modulus and Poisson's Ratio of Sand-Silt Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	1.3	33
50	Settlement predictions of shallow foundations for non-cohesive soils based on CPT records-polynomial model. <i>Computers and Geotechnics</i> , 2020, 128, 103811.	2.3	8
51	Seismic Bearing Capacity of Shallow Strip Footings on Sand Deposits with Weak Inter-layer. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 6741-6754.	0.8	6
52	A multilateral analysis of slope failure due to liquefaction-induced lateral deformation using shaking table tests. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	3
53	Bearing Capacity of Strip Footings Adjacent to Anisotropic Slopes Using the Lower Bound Finite Element Method. <i>International Journal of Geomechanics</i> , 2020, 20, .	1.3	21
54	THE POTENTIAL USE OF CLAY-FLY ASH GEOPOLYMER IN THE DESIGN OF ACTIVE-PASSIVE LINERS: A REVIEW. <i>Clays and Clay Minerals</i> , 2020, 68, 296-308.	0.6	14

#	ARTICLE	IF	CITATIONS
55	Discussion of "Probabilistic seismic slope stability analysis and design". Canadian Geotechnical Journal, 2020, 57, 1103-1108.	1.4	13
56	Probabilistic Assessment of Model Uncertainty for Prediction of Pile Foundation Bearing Capacity; Static Analysis, SPT and CPT-Based Methods. Geotechnical and Geological Engineering, 2020, 38, 5023-5041.	0.8	10
57	Evaluation of the lateral earth pressure in unsaturated soils with finite element limit analysis using second-order cone programming. Computers and Geotechnics, 2020, 125, 103587.	2.3	49
58	Changes in stability conditions of clay slopes due to leaching: a case study. SN Applied Sciences, 2020, 2, 1.	1.5	3
59	Full and Quasi-Stochastic Slope Stability Analyses Using Random Limit Equilibrium Method (RLEM). , 2020, , .		2
60	A Review of the Studies on Soil-EPS Composites: Beads and Blocks. Geotechnical and Geological Engineering, 2020, 38, 3363-3383.	0.8	27
61	Strength Parameters of Stabilized Clay Using Polypropylene Fibers and Nano-MgO: An Experimental Study. Geotechnical and Geological Engineering, 2020, 38, 2845-2858.	0.8	10
62	A Study on the Effect of Cement Treatment on the Behavior of EPS Composite Soils. Geotechnical and Geological Engineering, 2020, 38, 5475-5487.	0.8	11
63	Constraint Deformation Behavior of Sand-EPS Beads Mixture Using Discrete Element Modeling (DEM). Advances in Civil Engineering Materials, 2020, 9, 20190162.	0.2	6
64	Slope reliability analysis using the geotechnical random field method. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2019, 172, 541-555.	0.9	7
65	Small strain shear modulus of anisotropically loaded sands. Soil Dynamics and Earthquake Engineering, 2019, 125, 105726.	1.9	36
66	Numerical and Experimental Investigations of the Influence of Grain Size on the Compressibility of Sand-EPS Mixtures. International Journal of Geosynthetics and Ground Engineering, 2019, 5, 1.	0.9	10
67	Closure to "Bearing Capacity of Strip Footings on Anisotropic Soils by the Finite Elements and Linear Programming" by Mehdi Veiskarami, Reza Jamshidi Chenari, and Amir Arsalan Jameei. International Journal of Geomechanics, 2019, 19, .	1.3	9
68	Numerical Evaluation of the Amplification Characteristic of Randomly Heterogeneous Alluvial Deposits. Indian Geotechnical Journal, 2019, 49, 501-518.	0.7	2
69	Discussion of "An analytical probabilistic analysis of slopes based on limit equilibrium methods" by A. Johari, S. Mousavi. November 2018, DOI: <a href="https://doi.org/10.1007/s10064-018-1408-1">https://doi.org/10.1007/s10064-018-1408-1</a> . Bulletin of Engineering Geology and the Environment, 2019, 78, 5511-5515.	1.6	5
70	A Note on the Compressibility and Earth Pressure Properties of EPS Beads-Rigid Particulates Composite. Geotechnical and Geological Engineering, 2019, 37, 5231-5243.	0.8	17
71	Site-Response Analysis of Geotextile-Reinforced Toyoura Sand. International Journal of Geosynthetics and Ground Engineering, 2019, 5, 1.	0.9	2
72	Stochastic analysis of foundation immediate settlement on heterogeneous spatially random soil considering mechanical anisotropy. SN Applied Sciences, 2019, 1, 1.	1.5	21

#	ARTICLE	IF	CITATIONS
73	Site response analysis in cross-anisotropic alluvial deposits subjected to inclined incident SH wave. <i>Innovative Infrastructure Solutions</i> , 2019, 4, 1.	1.1	5
74	An estimate of the bearing capacity of shallow foundations on anisotropic soil by limit equilibrium and soft computing technique. <i>Geomechanics and Geoengineering</i> , 2019, 14, 202-217.	0.9	26
75	Seismic bearing capacity of shallow strip foundations in the vicinity of slopes using the lower bound finite element method. <i>Soils and Foundations</i> , 2019, 59, 1891-1905.	1.3	32
76	Constrained Compression Models for Tire-Derived Aggregate-Sand Mixtures Using Enhanced Large Scale Oedometer Testing Apparatus. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 2591-2610.	0.8	14
77	A Study on the Static and Seismic Earth Pressure Problems in Anisotropic Granular Media. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 1987-2005.	0.8	34
78	Effect of Sampling Interval on the Scale of Fluctuation of CPT Profiles Representing Random Fields. <i>International Journal of Civil Engineering</i> , 2019, 17, 871-880.	0.9	7
79	Pseudo-static bearing capacity of shallow foundations on heterogeneous marine deposits using limit equilibrium method. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 1163-1174.	1.2	24
80	Physical and Numerical Modeling of Piled Raft Foundation in Chamkhaleh Sand. <i>International Journal of Civil Engineering</i> , 2019, 17, 765-779.	0.9	3
81	Physical and Numerical Modeling of Stone Column Behavior in Loose Sand. <i>International Journal of Civil Engineering</i> , 2019, 17, 231-244.	0.9	24
82	Continuous Slip Surface Method for Stability Analysis of Heterogeneous Vertical Trenches. <i>Scientia Iranica</i> , 2019, .	0.3	3
83	Non-stationary realisation of CPT data: considering lithological and inherent heterogeneity. <i>Georisk</i> , 2018, 12, 265-278.	2.6	21
84	Discussion of "Seismic Bearing Capacity of Shallow Strip Footing with Coulomb Failure Mechanism using Limit Equilibrium Method" by S. Ghosh, L. Debnath. December 2017, Volume 35, Issue 6, pp. 2647-2661. DOI: <a href="https://doi.org/10.1007/s10706-017-0268-y">https://doi.org/10.1007/s10706-017-0268-y</a> . <i>Geotechnical and Geological Engineering</i> , 2018, 36, 4037-4040.	0.8	12
85	Stability Evaluation of Un-braced Cuts. <i>International Journal of Civil Engineering</i> , 2018, 16, 1361-1369.	0.9	1
86	Cyclic and Post-Cyclic Shear Behaviour of Interface between Geogrid and EPS Beads-Sand Backfill. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 3340-3357.	0.9	42
87	Physical modelling of cohesive soil inherent variability: consolidation problem. <i>International Journal of Geo-Engineering</i> , 2018, 9, 1.	0.9	5
88	Soil-structure interaction analysis in natural heterogeneous deposits using random field theory. <i>Innovative Infrastructure Solutions</i> , 2018, 3, 1.	1.1	16
89	Investigation of Strength Parameters of PVA Fiber-Reinforced Fly Ash-Soil Mixtures in Large-Scale Direct Shear Apparatus. <i>Civil Engineering Journal (Iran)</i> , 2018, 4, 2618.	1.2	6
90	Design and Performance of a Single Axis Shake Table and a Laminar Soil Container. <i>Civil Engineering Journal (Iran)</i> , 2018, 4, 1326.	1.2	12

#	ARTICLE	IF	CITATIONS
91	An Experimental and Numerical Investigation into the Compressibility and Settlement of Sand Mixed with TDA. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 2401-2420.	0.8	12
92	Bearing Capacity of Strip Footings on Anisotropic Soils by the Finite Elements and Linear Programming. <i>International Journal of Geomechanics</i> , 2017, 17, .	1.3	59
93	Uncoupled Consolidation Analysis of Clay Deposits with Linearly Varying Characteristics with Depth. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2017, 41, 49-53.	1.0	2
94	Induced Settlement Reduction of Adjacent Masonry Building in Residential Constructions. <i>Civil Engineering Journal (Iran)</i> , 2017, 3, 450-462.	1.2	6
95	Deformation Characteristics of Sand Geofoam Blocks using Large-Scale Oedometer Apparatus. <i>Civil Engineering Journal (Iran)</i> , 2017, 3, 585-593.	1.2	13
96	An investigation on the geotechnical properties of sand-eps mixture using large oedometer apparatus. <i>Construction and Building Materials</i> , 2016, 113, 773-782.	3.2	44
97	Site response of heterogeneous natural deposits to harmonic excitation applied to more than 100 case histories. <i>Earthquake Engineering and Engineering Vibration</i> , 2016, 15, 341-356.	1.1	13
98	Assessment of Babolsar Concrete Pedestrian Bridge Failure for 1964 Flood Event and Retrofitting Practice. <i>Engineering Failure Analysis</i> , 2016, 68, 101-112.	1.8	8
99	Generating non-stationary random fields of auto-correlated, normally distributed CPT profile by matrix decomposition method. <i>Georisk</i> , 2015, 9, 96-108.	2.6	27
100	Probabilistic Settlement Analysis of Shallow Foundations on Heterogeneous Soil Stratum with Anisotropic Correlation Structure. , 2015, , .		4
101	Effects of anisotropy in correlation structure on the stability of an undrained clay slope. <i>Georisk</i> , 2015, 9, 109-123.	2.6	49
102	ANN prediction of some geotechnical properties of soil from their index parameters. <i>Arabian Journal of Geosciences</i> , 2015, 8, 2911-2920.	0.6	47
103	The use of index parameters to predict soil geotechnical properties. <i>Arabian Journal of Geosciences</i> , 2015, 8, 4907-4919.	0.6	13
104	Influence of Random Heterogeneity of Cross-Correlated Strength Parameters on Bearing Capacity of Shallow Foundations. <i>Indian Geotechnical Journal</i> , 2014, 44, 427-435.	0.7	24
105	Evaluation of Bearing Capacity of Shallow Foundations Using Random Field Theory in Comparison to Classic Methods. , 2012, , .		16
106	Discussion of "Probabilistic Analysis of Coupled Soil Consolidation" by Jinsong Huang, D. V. Griffiths, and Gordon A. Fenton. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 857-858.	1.5	3
107	Stochastic vs. Deterministic Analysis of Consolidation Problem in Natural Alluvial Deposits. , 2011, , .		3
108	Experimental evaluation of dynamic deformation characteristics of sheet pile retaining walls with fiber reinforced backfill. <i>Soil Dynamics and Earthquake Engineering</i> , 2010, 30, 438-446.	1.9	52

#	ARTICLE	IF	CITATIONS
109	Three dimensional undrained bearing capacity analysis of laterally loaded pile in heterogeneous marine deposits. <i>Marine Georesources and Geotechnology</i> , 0, , 1-23.	1.2	8
110	Clay-fly ash geopolymer characterisation and application for the removal of lead and zinc. <i>Environmental Geotechnics</i> , 0, , 1-12.	1.3	2
111	Effect of Love Wave Propagation on the Equivalent Seismic Bearing Capacity of Shallow Foundations Using 3D Coulomb Failure Mechanism. <i>Geotechnical and Geological Engineering</i> , 0, , 1.	0.8	3
112	Numerical study on the bearing capacity of strip footing resting on partially saturated soil subjected to combined vertical-horizontal-moment loading. <i>European Journal of Environmental and Civil Engineering</i> , 0, , 1-34.	1.0	11