

# Priyanka Ghosh

## List of Publications by Year in descending order

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66  
papers

1,125  
citations

430874

18  
h-index

454955

30  
g-index

69  
all docs

69  
docs citations

69  
times ranked

386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultimate Bearing Capacity of Strip Footing on Reinforced Embankment Using Upper Bound Limit Analysis. Lecture Notes in Civil Engineering, 2022, , 543-551.	0.4	0
2	Experimental and numerical investigations on attenuation response of machine foundations under vertical excitation. Geomechanics and Geoengineering, 2022, 17, 1865-1886.	1.8	8
3	Impact of Footing Shape on Dynamic Properties and Vibration Transmission Characteristics of Machine Foundations. International Journal of Geosynthetics and Ground Engineering, 2022, 8, 1.	2.0	2
4	Interference of proposed footing with an existing footing resting on non-linearly elastic dense and loose cohesionless soil bed. European Journal of Environmental and Civil Engineering, 2021, 25, 2574-2591.	2.1	9
5	Closed-Form Solution for Seismic Earth Pressure on Bilinear Retaining Wall Using Method of Characteristics. Journal of Earthquake Engineering, 2021, 25, 1171-1190.	2.5	15
6	Determination of Critical Slope Face in $c - \phi$ Soil under Seismic Condition Using Method of Stress Characteristics. International Journal of Geomechanics, 2021, 21, 04021031.	2.7	9
7	Development of limiting soil slope profile under seismic condition using slip line theory. Acta Geotechnica, 2021, 16, 3517-3531.	5.7	5
8	Passive Resistance of Retaining Walls Supporting Layered Cohesionless Backfill: A Plasticity Approach. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	3
9	Upper-bound limit load of rigid pavements resting on reinforced soil embankments – Kinematic approach. Transportation Geotechnics, 2021, 30, 100611.	4.5	6
10	Plasticity-Based Estimation of Active Earth Pressure Exerted by Layered Cohesionless Backfill. International Journal of Geomechanics, 2021, 21, .	2.7	4
11	Experimental and Numerical Analysis of Interacting Circular Plate Anchors Embedded in Homogeneous and Layered Cohesionless Soil. International Journal of Civil Engineering, 2020, 18, 231-244.	2.0	5
12	A novel vibration screening technique using bamboo: a numerical study. Journal of Natural Fibers, 2020, 17, 258-270.	3.1	8
13	Large-scale testing and finite-element simulation of twin square anchor plates embedded at shallow depth in layered soil media. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	1.3	1
14	Seismic stability analysis of a hunchbacked retaining wall under passive state using method of stress characteristics. Acta Geotechnica, 2020, 15, 2969-2982.	5.7	16
15	Seismic Stability of a Broken-Back Retaining Wall Using Adaptive Collapse Mechanism. International Journal of Geomechanics, 2020, 20, .	2.7	5
16	Ultimate bearing capacity of skirted foundation on cohesionless soil using slip line theory. Computers and Geotechnics, 2020, 123, 103573.	4.7	13
17	Geotechnical stability assessment of a railway arch bridge more than 100-year old: a case study. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	0
18	Determination of Viscoelastic Properties of Soil and Prediction of Static and Dynamic Response. International Journal of Geomechanics, 2019, 19, 04019072.	2.7	13

#	ARTICLE	IF	CITATIONS
19	Seismic Active Resistance of a Tilted Cantilever Retaining Wall considering Adaptive Failure Mechanism. <i>International Journal of Geomechanics</i> , 2019, 19, .	2.7	16
20	Bearing Capacity Factors for Isolated Surface Strip Footing Resting on Multi-layered Reinforced Soil Bed. <i>Indian Geotechnical Journal</i> , 2019, 49, 37-49.	1.4	13
21	Modelling Linear Viscoelastic Behaviour of Kanpur Local Soil Using Prony Series, Parameter Fitting. <i>Sustainable Civil Infrastructures</i> , 2019, , 114-126.	0.2	1
22	Undrained bearing capacity of a skirted strip foundation using upper-bound limit analysis. <i>Acta Geotechnica Slovenica</i> , 2019, 16, 2-11.	0.3	2
23	Seismic passive earth pressure on an inclined cantilever retaining wall using method of stress characteristics – A new approach. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 107, 77-82.	3.8	14
24	Interference of Strip Footings Resting on Nonlinearly Elastic Foundation Bed: A Finite Element Analysis. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2018, 42, 199-206.	1.9	10
25	Pond ash – kaolinite – fibre-based geopolymers: processing and strength assessment. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2018, 171, 62-70.	0.8	0
26	Interaction of adjacent strip footings on reinforced soil using upper-bound limit analysis. <i>Geosynthetics International</i> , 2018, 25, 599-611.	2.9	20
27	Seismic interaction of two closely spaced horizontal square and rectangular ground anchors in layered soil. <i>International Journal of Geotechnical Engineering</i> , 2017, 11, 80-89.	2.0	2
28	Interaction Effect of Group of Helical Anchors in Cohesive Soil Using Finite Element Analysis. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 1475-1490.	1.7	7
29	Linear and nonlinear elastic analysis of closely spaced strip foundations using Pasternak model. <i>Frontiers of Structural and Civil Engineering</i> , 2017, 11, 228-243.	2.9	16
30	Interaction Effect of Two Closely Spaced Skirted Strip Foundations in Cohesionless Soil Using Upper-Bound Limit Analysis. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	14
31	Numerical study on intermittent geofom in-filled trench as vibration barrier considering soil non-linearity and circular dynamic source. <i>International Journal of Geotechnical Engineering</i> , 2017, 11, 278-288.	2.0	10
32	Active screening for axi-symmetric machine loading using EPS geofom. <i>Japanese Geotechnical Society Special Publication</i> , 2016, 2, 2238-2243.	0.2	4
33	Analysis of Ring Foundation Systems Resting on an Anisotropic Elastic Soil Medium Subjected to Working Compressive and Tensile Loads. , 2016, , .		0
34	A Systematic Approach towards the Assessment of Sand Bed Preparation Using the Air Pluviation Technique. , 2016, , .		4
35	Seismic analysis of nailed vertical excavation using pseudo-dynamic approach. <i>Earthquake Engineering and Engineering Vibration</i> , 2016, 15, 621-631.	2.3	13
36	Optimization and Parametrical Investigation to Assess the Reconstitution of Different Types of Indian Sand Using Portable Travelling Pluviator. <i>Geotechnical and Geological Engineering</i> , 2016, 34, 59-73.	1.7	12

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37	Fly ash and kaolinite-based geopolymers: processing and assessment of some geotechnical properties. International Journal of Geotechnical Engineering, 2016, 10, 377-386.	2.0	20
38	Intermittent geofoam in-filled trench for vibration screening considering soil non-linearity. KSCE Journal of Civil Engineering, 2016, 20, 2308-2318.	1.9	12
39	Experimental study on dynamic interference effect of two closely spaced machine foundations. Canadian Geotechnical Journal, 2016, 53, 196-209.	2.8	22
40	Vertical Uplift Capacity of Two Nearby Horizontal Strip Anchors Using the Method of Stress Characteristics. International Journal of Geomechanics, 2016, 16, .	2.7	6
41	Interaction of two closely spaced circular ground anchors embedded in homogeneous soil deposit. Japanese Geotechnical Society Special Publication, 2015, 3, 76-79.	0.2	0
42	Experimental studies on interference of two angular footings resting on surface of two-layer cohesionless soil deposit. International Journal of Geotechnical Engineering, 2015, 9, 422-433.	2.0	29
43	Numerical Study on Static Interaction of Closely Spaced Horizontal Square or Rectangular Ground Anchors in c- $\bar{\phi}$ Soil. International Journal of Geosynthetics and Ground Engineering, 2015, 1, 1.	2.0	2
44	Seismic Behaviour of Retaining Structures, Design Issues and Requalification Techniques. Indian Geotechnical Journal, 2014, 44, 167-182.	1.4	10
45	Experimental investigation on interaction problem of two nearby circular footings on layered cohesionless soil. Geomechanics and Geoengineering, 2013, 8, 97-106.	1.8	34
46	Interference of Two Asymmetric Closely Spaced Strip Footings Resting on Nonhomogeneous and Linearly Elastic Soil Bed. International Journal of Geomechanics, 2013, 13, 840-851.	2.7	34
47	Seismic Interference Effect of Two Nearby Horizontal Strip Anchors. , 2012, , .		0
48	FLAC Based Numerical Studies on Dynamic Interference of Two Nearby Embedded Machine Foundations. Geotechnical and Geological Engineering, 2012, 30, 1161-1181.	1.7	23
49	Seismic interference of two nearby horizontal strip anchors in layered soil. Natural Hazards, 2012, 63, 789-804.	3.4	15
50	Dynamic Interaction of Two Nearby Machine Foundations on Homogeneous Soil. , 2012, , .		10
51	Interference effect of two nearby strip surface footings on cohesionless layered soil. International Journal of Geotechnical Engineering, 2011, 5, 87-94.	2.0	26
52	Seismic Passive Earth Pressure on Walls with Bilinear Backface Using Pseudo-Dynamic Approach. Geotechnical and Geological Engineering, 2011, 29, 307-317.	1.7	4
53	Seismic Passive Earth Pressure Behind Non Vertical Wall with Composite Failure Mechanism: Pseudo-Dynamic Approach. Geotechnical and Geological Engineering, 2011, 29, 363-373.	1.7	34
54	Seismic Interference Effect of Two Nearby Square Footings. , 2011, , .		8

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55	Interference effect of two nearby strip footings on layered soil: theory of elasticity approach. Acta Geotechnica, 2010, 5, 189-198.	5.7	31
56	Seismic uplift capacity of inclined strip anchors in sand using upper bound limit analysis. Geomechanics and Geoengineering, 2010, 5, 267-275.	1.8	8
57	Seismic vertical uplift capacity of horizontal strip anchors using pseudo-dynamic approach. Computers and Geotechnics, 2009, 36, 342-351.	4.7	23
58	Seismic active earth pressure on walls with bilinear backface using pseudo-dynamic approach. Computers and Geotechnics, 2009, 36, 1229-1236.	4.7	26
59	Upper bound solutions of bearing capacity of strip footing by pseudo-dynamic approach. Acta Geotechnica, 2008, 3, 115-123.	5.7	59
60	Reply to the discussion by Greco on "Seismic active earth pressure behind a nonvertical retaining wall using pseudo-dynamic analysis" Appears in Canadian Geotechnical Journal, 45(12): 1795-1797.. Canadian Geotechnical Journal, 2008, 45, 1798-1798.	2.8	3
61	Seismic active earth pressure behind a nonvertical retaining wall using pseudo-dynamic analysis. Canadian Geotechnical Journal, 2008, 45, 117-123.	2.8	69
62	Ultimate Bearing Capacity of Two Interfering Rough Strip Footings. International Journal of Geomechanics, 2007, 7, 53-62.	2.7	96
63	Upper bound limit analysis for finding interference effect of two nearby strip footings on sand. Geotechnical and Geological Engineering, 2007, 25, 499-507.	1.7	48
64	Seismic Passive Earth Pressure Behind Non-vertical Retaining Wall Using Pseudo-dynamic Analysis. Geotechnical and Geological Engineering, 2007, 25, 693-703.	1.7	46
65	Seismic bearing capacity for embedded footings on sloping ground. Geotechnique, 2006, 56, 133-140.	4.0	69
66	Bearing capacity factor $N_1^3$ for ring footings using the method of characteristics. Canadian Geotechnical Journal, 2005, 42, 1474-1484.	2.8	73