

# G R Dodagoudar

## List of Publications by Year in descending order

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33  
papers

590  
citations

759190

12  
h-index

642715

23  
g-index

33  
all docs

33  
docs citations

33  
times ranked

443  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Surface Waves in Statistical Correlations of Shear Wave Velocity and Penetration Resistance of Chennai Soils. Geotechnical and Geological Engineering, 2010, 28, 119-137.	1.7	117
2	Group Interaction Effects on Laterally Loaded Piles in Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 573-582.	3.0	103
3	Seismic hazard assessment of Chennai city considering local site effects. Journal of Earth System Science, 2008, 117, 853-863.	1.3	83
4	Reliability analysis of reinforced soil walls under static and seismic forces. Geosynthetics International, 2008, 15, 246-257.	2.9	38
5	Numerical modelling of rainfall effects on the stability of soil slopes. International Journal of Geotechnical Engineering, 2019, 13, 425-437.	2.0	28
6	Two-dimensional modelling of contaminant transport through saturated porous media using the radial point interpolation method (RPIM). Hydrogeology Journal, 2008, 16, 1497-1505.	2.1	23
7	Experimental Investigations on the Behaviour of Pile Groups in Clay Under Lateral Cyclic Loading. Geotechnical and Geological Engineering, 2010, 28, 603-617.	1.7	23
8	Finite element evaluation of ultimate capacity of strip footing: assessment using various constitutive models and sensitivity analysis. Innovative Infrastructure Solutions, 2018, 3, 1.	2.2	15
9	Meshfree modelling of one-dimensional contaminant transport in unsaturated porous media. Geomechanics and Geoengineering, 2007, 2, 129-136.	1.8	14
10	Seismic Hazard Analysis Using the Adaptive Kernel Density Estimation Technique for Chennai City. Pure and Applied Geophysics, 2012, 169, 55-69.	1.9	14
11	An integrated geotechnical database and GIS for 3D subsurface modelling: Application to Chennai City, India. Applied Geomatics, 2018, 10, 47-64.	2.5	12
12	Finite Element Evaluation of Vertical Bearing Capacity Factors $N_{c}^{\prime}$ , $N_{q}^{\prime}$ and $N_{\gamma}^{\prime}$ for Ring Footings. Geotechnical and Geological Engineering, 2019, 37, 741-754.	1.7	12
13	Meshfree analysis of two-dimensional contaminant transport through unsaturated porous media using EFGM. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 1797-1816.	2.1	11
14	Dynamic Response of Laterally Loaded Pile Groups in Clay. Journal of Earthquake Engineering, 2013, 17, 33-53.	2.5	10
15	Two-dimensional meshfree modelling of contaminant transport through saturated porous media using RPIM. Environmental Earth Sciences, 2010, 61, 341-353.	2.7	9
16	On vertical bearing capacity of ring footings: finite element analysis, observations and recommendations. International Journal of Geotechnical Engineering, 2021, 15, 1207-1219.	2.0	9
17	Probabilistic seismic hazard at the archaeological site of Gol Gumbaz in Vijayapura, south India. Journal of Earth System Science, 2018, 127, 1.	1.3	8
18	Meshfree modelling of one-dimensional contaminant migration. Geotechnique, 2008, 58, 523-526.	4.0	7

#	ARTICLE	IF	CITATIONS
19	MESHFREE MODELLING OF 1D AND 2D CONTAMINANT TRANSPORT THROUGH SATURATED POROUS MEDIA. ISH Journal of Hydraulic Engineering, 2008, 14, 72-83.	2.1	6
20	MODULUS REDUCTION AND DAMPING CURVES FOR SAND OF SOUTH-EAST COAST OF INDIA. Journal of Earthquake and Tsunami, 2012, 06, 1250016.	1.3	6
21	Experimental Evaluation of Failure Zone in Sand Beneath the Ring Footing and Cutting Edge of Open Caisson Using Image Analysis. Lecture Notes in Civil Engineering, 2021, , 273-283.	0.4	6
22	Reliability Analysis of a Bridge Pier Supported on a Rocking Shallow Foundation under Earthquake Loading. International Journal of Geomechanics, 2022, 22, .	2.7	6
23	Probabilistic seismic hazard analysis using kernel density estimation technique for Chennai, India. Georisk, 2012, 6, 1-15.	3.5	5
24	Passive Forceâ€“Displacement Behaviour of GRS Bridge Abutments. International Journal of Geosynthetics and Ground Engineering, 2018, 4, 1.	2.0	5
25	Deformation and Stability Analyses of Hybrid Earth Retaining Structures. International Journal of Geosynthetics and Ground Engineering, 2020, 6, 1.	2.0	5
26	Modelling of contaminant transport through landfill liners using EFGM. International Journal for Numerical and Analytical Methods in Geomechanics, 2010, 34, 661-688.	3.3	4
27	Finite element evaluation of bearing capacity factors for cutting face of open caissons. International Journal of Geotechnical Engineering, 2022, 16, 951-961.	2.0	4
28	Modelling the spatial variability of Standard Penetration Test data for Chennai City using kriging and product-sum model. Geomechanics and Geoengineering, 2022, 17, 92-105.	1.8	3
29	Effect of Epicenter Data Inconsistency in Determining Bandwidth and its Subsequent Use in Hazard Analysis for Chennai Using Kernel Smoothing Approach. International Journal of Geotechnical Earthquake Engineering, 2014, 5, 21-38.	0.6	2
30	Impact Analysis of Seismic Source Area Extent on Hazard Estimate for Chennai City. International Journal of Geotechnical Earthquake Engineering, 2014, 5, 75-100.	0.6	2
31	SEISMIC SOILâ€“FOUNDATIONâ€“STRUCTURE INTERACTION ANALYSIS OF DEEPLY EMBEDDED VENTILATION STACK. Journal of Earthquake and Tsunami, 2012, 06, 1250003.	1.3	0
32	Effect of Epicenter Data Inconsistency in Determining Bandwidth and Its Subsequent Use in Hazard Analysis for Chennai Using Kernel Smoothing Approach. , 2016, , 1439-1453.		0
33	Seismic Hazard Analysis Using Fuzzy-Probabilistic Approach for Chennai City, South India. International Journal of Geotechnical Earthquake Engineering, 2022, 13, 0-0.	0.6	0