

# Domenico Lombardi

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,275  
citations

516561

16  
h-index

454834

30  
g-index

50  
all docs

50  
docs citations

50  
times ranked

736  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic seismic hazard assessment for West Africa region. <i>Georisk</i> , 2022, 16, 315-329.	2.6	1
2	Seismic hazard assessment for Guinea, West Africa. <i>Scientific Reports</i> , 2022, 12, 2566.	1.6	4
3	Experimental investigation of transient bending moment of piles during seismic liquefaction. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 157, 107251.	1.9	4
4	Physical Modelling of Offshore Wind Turbine Foundations for TRL (Technology Readiness Level) Studies. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 589.	1.2	29
5	On the seismic analysis and design of offshore wind turbines. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 145, 106692.	1.9	10
6	Seismic Design of Offshore Wind Turbines: Good, Bad and Unknowns. <i>Energies</i> , 2021, 14, 3496.	1.6	19
7	Large deformation analysis of granular materials with stabilized and noise-free stress treatment in smoothed particle hydrodynamics (SPH). <i>Computers and Geotechnics</i> , 2021, 138, 104356.	2.3	18
8	Physical modeling of interaction problems in geotechnical engineering. , 2021, , 205-256.		12
9	Use of instability curves for the assessment of post-liquefaction stability and deformation of sloping grounds. <i>Engineering Geology</i> , 2020, 265, 105347.	2.9	6
10	Role of SSI on seismic performance of nuclear reactors: A case study for a UK nuclear site. <i>Nuclear Engineering and Design</i> , 2020, 364, 110691.	0.8	4
11	Small-strain stiffness degradation of artificially cemented sands. <i>Geotechnique Letters</i> , 2020, 10, 284-289.	0.6	6
12	Finite-Element Study for Seismic Structural and Global Stability of Cantilever-Type Retaining Walls. <i>International Journal of Geomechanics</i> , 2019, 19, .	1.3	16
13	Introduction to earthquake geotechnical engineering in relation to foundation design. , 2019, , 1-32.		0
14	Basic concepts of engineering seismology and seismic hazard analysis. , 2019, , 33-61.		0
15	Selection of strong motion for foundation design. , 2019, , 63-78.		0
16	Ground response analysis. , 2019, , 79-102.		0
17	Seismic analysis methods related to foundation design. , 2019, , 103-140.		0
18	Liquefaction: theoretical aspects. , 2019, , 141-171.		0

#	ARTICLE	IF	CITATIONS
19	Liquefaction: practical aspects. , 2019, , 173-214.		0
20	Analysis and design of shallow foundations. , 2019, , 215-240.		0
21	Pile foundations. , 2019, , 241-295.		0
22	Analysis of foundations for major bridges. , 2019, , 297-330.		0
23	Foundations in slopes and for retaining walls. , 2019, , 331-364.		0
24	Engineering correlations for the design of foundations. , 2019, , 421-450.		0
25	Geotechnical and infrastructural damage due to the 2016 Kumamoto earthquake sequence. Soil Dynamics and Earthquake Engineering, 2018, 104, 390-394.	1.9	33
26	Identification of transient vibration characteristics of pile-group models during liquefaction using wavelet transform. Engineering Structures, 2018, 171, 712-729.	2.6	13
27	Probabilistic seismic risk assessment of nuclear reactor in a hypothetical UK site. Soil Dynamics and Earthquake Engineering, 2018, 113, 278-285.	1.9	10
28	Analysis of observed liquefaction during the 2016 Kumamoto earthquake. , 2018, , 837-841.		0
29	A practical method for construction of p-y curves for liquefiable soils. Soil Dynamics and Earthquake Engineering, 2017, 97, 478-481.	1.9	50
30	Construction of simplified design $p-y$ curves for liquefied soils. Geotechnique, 2017, 67, 216-227.	2.2	48
31	Physical Modeling of Offshore Wind Turbine Model for Prediction of Prototype Response. , 2017, , 353-374.		4
32	Evaluation of seismic performance of pile-supported models in liquefiable soils. Earthquake Engineering and Structural Dynamics, 2016, 45, 1019-1038.	2.5	55
33	BACTERIAL EPIDEMIOLOGY AND ANTIMICROBIAL RESISTANCE IN THE SURGERY WARDS OF A LARGE TEACHING HOSPITAL IN SOUTHERN ITALY. Mediterranean Journal of Hematology and Infectious Diseases, 2015, 7, e2015040.	0.5	9
34	Dynamic response of a geotechnical rigid model container with absorbing boundaries. Soil Dynamics and Earthquake Engineering, 2015, 69, 46-56.	1.9	76
35	Modal analysis of pile-supported structures during seismic liquefaction. Earthquake Engineering and Structural Dynamics, 2014, 43, 119-138.	2.5	74
36	Undrained behaviour of two silica sands and practical implications for modelling SSI in liquefiable soils. Soil Dynamics and Earthquake Engineering, 2014, 66, 293-304.	1.9	48

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37	Liquefaction of soil in the Emilia-Romagna region after the 2012 Northern Italy earthquake sequence. <i>Natural Hazards</i> , 2014, 73, 1749-1770.	1.6	26
38	Observed dynamic soil-structure interaction in scale testing of offshore wind turbine foundations. <i>Soil Dynamics and Earthquake Engineering</i> , 2013, 54, 47-60.	1.9	148
39	Dynamic soil-structure interaction of monopile supported wind turbines in cohesive soil. <i>Soil Dynamics and Earthquake Engineering</i> , 2013, 49, 165-180.	1.9	273
40	Dynamics of offshore wind turbines supported on two foundations. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2013, 166, 159-169.	0.9	93
41	Model Container Design for Soil-Structure Interaction Studies. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2012, , 135-158.	0.1	40
42	Economic MEMS based 3-axis water proof accelerometer for dynamic geo-engineering applications. <i>Soil Dynamics and Earthquake Engineering</i> , 2012, 36, 111-118.	1.9	34
43	Similitude relationships for physical modelling of monopile-supported offshore wind turbines. <i>International Journal of Physical Modelling in Geotechnics</i> , 2011, 11, 58-68.	0.5	97
44	Seismic risk analysis for large dams in West Coast basin, southern Ghana. <i>Journal of Seismology</i> , 0, , 1.	0.6	2