

NicolÃ² Pollini

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

269
citations

1162889

8
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1199470

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14
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14
docs citations

14
times ranked

216
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimum-cost optimization of nonlinear fluid viscous dampers and their supporting members for seismic retrofitting. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 1941-1961.	2.5	61
2	Optimization-based minimum-cost seismic retrofitting of hysteretic frames with nonlinear fluid viscous dampers. <i>Earthquake Engineering and Structural Dynamics</i> , 2018, 47, 2985-3005.	2.5	38
3	A "poor man's" approach for high-resolution three-dimensional topology design for natural convection problems. <i>Advances in Engineering Software</i> , 2020, 140, 102736.	1.8	35
4	The role of prestress and its optimization in cable domes design. <i>Computers and Structures</i> , 2015, 161, 17-30.	2.4	34
5	Towards realistic minimum-cost optimization of viscous fluid dampers for seismic retrofitting. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 971-998.	2.3	34
6	Adjoint sensitivity analysis and optimization of hysteretic dynamic systems with nonlinear viscous dampers. <i>Structural and Multidisciplinary Optimization</i> , 2018, 57, 2273-2289.	1.7	30
7	Mixed projection- and density-based topology optimization with applications to structural assemblies. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 687-710.	1.7	11
8	Fail-safe optimization of viscous dampers for seismic retrofitting. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 1599-1618.	2.5	11
9	Topology optimization of wind farm layouts. <i>Renewable Energy</i> , 2022, 195, 1015-1027.	4.3	9
10	Gradient-based optimization of a 15 MW wind turbine spar floater. <i>Journal of Physics: Conference Series</i> , 2021, 2018, 012032.	0.3	3
11	Gradient-based prestress and size optimization for the design of cable domes. <i>International Journal of Solids and Structures</i> , 2021, 222-223, 111028.	1.3	2
12	Conceptual monopile and tower sizing for the IEA Wind Task 37 Borssele reference wind farm. <i>Journal of Physics: Conference Series</i> , 2021, 2018, 012025.	0.3	1
13	Topology and Sizing Optimization of Nonlinear Viscous Dampers for the Minimum-Cost Seismic Retrofitting of 3-D Frame Structures. , 2017, , .		0