

Rebecca K Napolitano

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

534
citations

516215

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h-index

676716

22
g-index

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docs citations

33
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	Unsupervised Data-Driven Methods for Damage Identification in Discontinuous Media. <i>Structural Integrity</i> , 2022, , 207-226.	0.8	0
2	Evaluating Facility Asset Information Needs in a Common Data Environment to Support Maintenance Workers. , 2022, , .		0
3	Smart cities built with smart materials. <i>Science</i> , 2021, 371, 1200-1201.	6.0	18
4	Numerical investigation on the composite action of cold-formed steel built-up battened columns. <i>Thin-Walled Structures</i> , 2021, 162, 107553.	2.7	34
5	Crack Detection in Images of Masonry Using CNNs. <i>Sensors</i> , 2021, 21, 4929.	2.1	19
6	Numerical analysis of natural rubber bearing equipped with steel and shape memory alloys dampers. <i>Structures</i> , 2021, 32, 1839-1855.	1.7	23
7	Quantifying the Differences in Documentation and Modeling Levels for Building Pathology and Diagnostics. <i>Archives of Computational Methods in Engineering</i> , 2020, 27, 1135-1152.	6.0	9
8	Cuba's National School of Ballet: Redefining a structural icon. <i>Engineering Structures</i> , 2020, 204, 110040.	2.6	6
9	Numerical investigation of the cyclic performance of reinforced concrete frames equipped with a combination of a rubber core and a U-shaped metallic damper. <i>Engineering Structures</i> , 2020, 225, 111307.	2.6	36
10	Understanding the cyclic performance of composite steel-concrete connections on steel bridges. <i>Engineering Structures</i> , 2020, 224, 111213.	2.6	27
11	Investigating the effects of seismic isolators on steel asymmetric structures considering soil-structure interaction. <i>Structures</i> , 2020, 27, 1029-1040.	1.7	23
12	Static and dynamic stability analysis of a steel-rubber isolator with rubber cores. <i>Structures</i> , 2020, 26, 441-455.	1.7	25
13	Hybrid physics-based modeling and data-driven method for diagnostics of masonry structures. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020, 35, 483-494.	6.3	6
14	Numerical evaluation of the behavior of ordinary and reinforced stone columns. <i>Structures</i> , 2020, 25, 481-490.	1.7	11
15	Assessing the stability of unreinforced masonry arches and vaults: a comparison of analytical and numerical strategies. <i>International Journal of Architectural Heritage</i> , 2019, 13, 648-662.	1.7	8
16	Numerical Modeling of Crack Propagation in Masonry Structures. <i>RILEM Bookseries</i> , 2019, , 826-834.	0.2	5
17	Understanding the Function of Roman Bonding Courses: A Numerical Approach. <i>RILEM Bookseries</i> , 2019, , 1798-1806.	0.2	4
18	Documentation, structural health monitoring and numerical modelling for damage assessment of the Morris Island Lighthouse. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190002.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Tool development for digital reconstruction: A framework for a database of historic Roman construction materials. <i>Journal of Cultural Heritage</i> , 2019, 40, 113-123.	1.5	4
20	Combination of Image-Based Documentation and Augmented Reality for Structural Health Monitoring and Building Pathology. <i>Frontiers in Built Environment</i> , 2019, 5, .	1.2	26
21	Understanding the function of bonding courses in masonry construction: An investigation with mixed numerical methods. <i>Journal of Cultural Heritage</i> , 2019, 39, 120-129.	1.5	17
22	The Foundation Walls of the Baptistery Di San Giovanni: A Combination of Laser Scanning and Finite-Distinct Element Modeling to Ascertain Damage Origins. <i>International Journal of Architectural Heritage</i> , 2019, 13, 1180-1193.	1.7	15
23	Reconsidering the Vaulted Forms of Cuba's National School of Ballet. <i>RILEM Bookseries</i> , 2019, , 2150-2158.	0.2	6
24	Methodology for diagnosing crack patterns in masonry structures using photogrammetry and distinct element modeling. <i>Engineering Structures</i> , 2019, 181, 519-528.	2.6	31
25	Integrating Non-Destructive Testing, Laser Scanning, and Numerical Modeling for Damage Assessment: The Room of the Elements. <i>Heritage</i> , 2019, 2, 151-168.	0.9	30
26	Understanding cracks in historic structures: Quantitative assessment through numerical simulation and manifold learning. , 2019, , .		0
27	Virtual Tours and Augmented Reality for Direct Data Integration. , 2019, , .		0
28	Minimizing the adverse effects of bias and low repeatability precision in photogrammetry software through statistical analysis. <i>Journal of Cultural Heritage</i> , 2018, 31, 46-52.	1.5	18
29	Virtual tours and informational modeling for conservation of cultural heritage sites. <i>Journal of Cultural Heritage</i> , 2018, 29, 123-129.	1.5	59
30	Failure at Fidenae: Understanding the site of the largest structural disaster of the Roman world. <i>Digital Applications in Archaeology and Cultural Heritage</i> , 2018, 10, e00077.	0.9	2
31	Virtual Environments for Visualizing Structural Health Monitoring Sensor Networks, Data, and Metadata. <i>Sensors</i> , 2018, 18, 243.	2.1	29
32	Validating the Use of Graphical Thrust Line Analysis for Pier Buttresses: The Case Study of Amiens Cathedral. <i>International Journal of Architectural Heritage</i> , 2017, 11, 859-870.	1.7	11
33	Comparison of thrust line analysis, limit state analysis and distinct element modeling to predict the collapse load and collapse mechanism of a rammed earth arch. <i>Engineering Structures</i> , 2017, 148, 145-156.	2.6	17