

# Fabio Biondini

## List of Publications by Year in descending order

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54  
papers

1,774  
citations

257357

24  
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276775

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58  
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58  
docs citations

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times ranked

936  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling and Seismic Response Analysis of Non-residential Single-storey Existing Precast Buildings in Italy. <i>Journal of Earthquake Engineering</i> , 2023, 27, 1047-1068.	1.4	15
2	Life-Cycle Assessment of Deteriorating RC Bridges Using Artificial Neural Networks. <i>Journal of Infrastructure Systems</i> , 2022, 28, .	1.0	2
3	Simulation-Based Life-Cycle Structural Reliability of Deteriorating RC Bridges Using Bayesian Updating. <i>Lecture Notes in Civil Engineering</i> , 2022, , 1368-1376.	0.3	0
4	Experimental evaluation on the seismic behavior of precast concrete shear walls with slip-friction devices. <i>Journal of Building Engineering</i> , 2022, 52, 104507.	1.6	4
5	The Monitoring Guidelines of the Lombardia Region in Italy. , 2022, 17, .		1
6	Resilience of aging structures and infrastructure systems with emphasis on seismic resilience of bridges and road networks: Review. , 2022, 1, 23-41.		16
7	Multi-Stripe Seismic Assessment of Precast Industrial Buildings With Cladding Panels. <i>Frontiers in Built Environment</i> , 2021, 7, .	1.2	8
8	Strain penetration effect on cyclic response of corroded RC columns. <i>Engineering Structures</i> , 2021, 243, 112653.	2.6	15
9	Earthquake-induced damage updating for remaining-life assessment of steel frame substructure systems. <i>Mechanical Systems and Signal Processing</i> , 2021, 159, 107782.	4.4	8
10	Life-cycle cost-based risk assessment of aging bridge networks. <i>Structure and Infrastructure Engineering</i> , 2021, 17, 515-533.	2.0	16
11	Lifetime seismic resilience of aging bridges and road networks. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 266-286.	2.0	37
12	Probabilistic life-cycle seismic resilience assessment of aging bridge networks considering infrastructure upgrading. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 659-675.	2.0	42
13	Life-Cycle Performance of Deteriorating Structures. , 2019, , 33-64.		1
14	Diaphragm effectiveness of precast concrete structures with cladding panels under seismic action. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 473-495.	2.3	30
15	Seismic Resilience of Deteriorating RC Bridges and Road Networks under Climate Change. , 2019, , .		0
16	Seismic assessment of existing precast structures with dry-friction beam-to-column joints. <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 2067-2086.	2.3	12
17	Influence of the exposure scenario and spatial correlation on the probabilistic life-cycle seismic performance of deteriorating RC frames. <i>Structure and Infrastructure Engineering</i> , 2018, 14, 986-996.	2.0	14
18	Experimental Investigation on Steel W-Shaped Folded Plate Dissipative Connectors for Horizontal Precast Concrete Cladding Panels. <i>Journal of Earthquake Engineering</i> , 2018, 22, 778-800.	1.4	24

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19	Life-Cycle Performance of Civil Structure and Infrastructure Systems: Survey. Journal of Structural Engineering, 2018, 144, .	1.7	33
20	Experimental tests on multiple-slit devices for precast concrete panels. Engineering Structures, 2018, 167, 420-430.	2.6	34
21	Seismic performance of precast concrete structures with energy dissipating cladding panel connection systems. Structural Concrete, 2018, 19, 1908-1926.	1.5	33
22	Effects of Structural Deterioration and Infrastructure Upgrading on the Life-cycle Seismic Resilience of Bridge Networks. IABSE Symposium Report, 2018, , .	0.0	0
23	Experimental investigation on the influence of silicone sealant on the seismic behaviour of precast façades. Bulletin of Earthquake Engineering, 2017, 15, 1771-1787.	2.3	24
24	Friction-based dissipative devices for precast concrete panels. Engineering Structures, 2017, 147, 356-371.	2.6	68
25	Time-variant redundancy and failure times of deteriorating concrete structures considering multiple limit states. Structure and Infrastructure Engineering, 2017, 13, 94-106.	2.0	20
26	Life-Cycle Performance of Deteriorating Structural Systems under Uncertainty: Review. Journal of Structural Engineering, 2016, 142, .	1.7	190
27	On the accuracy of diffusion models for life-cycle assessment of concrete structures. Structure and Infrastructure Engineering, 2016, 12, 1202-1215.	2.0	33
28	Seismic resilience of concrete structures under corrosion. Earthquake Engineering and Structural Dynamics, 2015, 44, 2445-2466.	2.5	95
29	Design, assessment, monitoring and maintenance of bridges and infrastructure networks. Structure and Infrastructure Engineering, 2015, 11, 413-414.	2.0	9
30	Deteriorating beam finite element for nonlinear analysis of concrete structures under corrosion. Structure and Infrastructure Engineering, 2015, 11, 519-532.	2.0	81
31	Lifetime seismic performance of concrete bridges exposed to corrosion. Structure and Infrastructure Engineering, 2014, 10, 880-900.	2.0	113
32	Bridge design, maintenance and management. Structure and Infrastructure Engineering, 2014, 10, 419-419.	2.0	2
33	Advances in life-cycle civil engineering. Structure and Infrastructure Engineering, 2014, 10, 843-843.	2.0	2
34	Probabilistic seismic assessment of multistory precast concrete frames exposed to corrosion. Bulletin of Earthquake Engineering, 2014, 12, 2665-2681.	2.3	18
35	Time-Variant Robustness of Aging Structures. , 2014, , 163-200.		8
36	Role of wall panel connections on the seismic performance of precast structures. Bulletin of Earthquake Engineering, 2013, 11, 1061-1081.	2.3	66

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37	An approach to reliability-based shape and topology optimization of truss structures. <i>Engineering Optimization</i> , 2012, 44, 37-53.	1.5	30
38	Cellular Finite Beam Element for Nonlinear Analysis of Concrete Structures under Fire. <i>Journal of Structural Engineering</i> , 2011, 137, 543-558.	1.7	25
39	Seismic performance of concrete structures exposed to corrosion: case studies of low-rise precast buildings. <i>Structure and Infrastructure Engineering</i> , 2011, 7, 109-119.	2.0	39
40	Capacity design and seismic performance of multi-storey precast structures. <i>European Journal of Environmental and Civil Engineering</i> , 2010, 14, 11-28.	1.0	12
41	Capacity design and seismic performance of multi-storey precast structures. <i>European Journal of Environmental and Civil Engineering</i> , 2010, 14, 11-28.	1.0	1
42	A Measure of Lifetime Structural Robustness. , 2009, , .		15
43	Lifetime reliability-based optimization of reinforced concrete cross-sections under corrosion. <i>Structural Safety</i> , 2009, 31, 483-489.	2.8	48
44	Probabilistic Calibration and Experimental Validation of the Seismic Design Criteria for One-Story Concrete Frames. <i>Journal of Earthquake Engineering</i> , 2009, 13, 426-462.	1.4	25
45	Uncertainty effects on lifetime structural performance of cable-stayed bridges. <i>Probabilistic Engineering Mechanics</i> , 2008, 23, 509-522.	1.3	31
46	Probabilistic limit analysis and lifetime prediction of concrete structures. <i>Structure and Infrastructure Engineering</i> , 2008, 4, 399-412.	2.0	60
47	Evolutionary design of structural systems with time-variant performance. <i>Structure and Infrastructure Engineering</i> , 2008, 4, 163-176.	2.0	8
48	Time-Variant Structural Performance of the Certosa Cable-Stayed Bridge. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2006, 16, 235-244.	0.5	15
49	Probabilistic Service Life Assessment and Maintenance Planning of Concrete Structures. <i>Journal of Structural Engineering</i> , 2006, 132, 810-825.	1.7	97
50	Cellular Automata Approach to Durability Analysis of Concrete Structures in Aggressive Environments. <i>Journal of Structural Engineering</i> , 2004, 130, 1724-1737.	1.7	114
51	Finite strip modeling for optimal design of prestressed folded plate structures. <i>Engineering Structures</i> , 2004, 26, 1043-1054.	2.6	20
52	Reliability of material and geometrically non-linear reinforced and prestressed concrete structures. <i>Computers and Structures</i> , 2004, 82, 1021-1031.	2.4	43
53	Fuzzy reliability analysis of concrete structures. <i>Computers and Structures</i> , 2004, 82, 1033-1052.	2.4	86
54	Stress path adapting Strut-and-Tie models in cracked and uncracked R.C. elements. <i>Structural Engineering and Mechanics</i> , 2001, 12, 685-698.	1.0	25