

# Edoardo Cosenza

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

3,472  
citations

117625

34  
h-index

144013

57  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2272  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic response of asymmetric bodies assuming a rocking behaviour. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2023, 176, 767-777.	0.8	1
2	Unified Approach for Structural Analysis of Curved Elements under Vertical Loads and Various Settlements. International Journal of Architectural Heritage, 2022, 16, 208-241.	3.1	1
3	Seismic pre-dimensioning of irregular concrete frame structures: Mathematical formulation and implementation of a learn-heuristic algorithm. Journal of Building Engineering, 2022, 46, 103733.	3.4	2
4	Incremental dynamic analysis of rigid blocks subjected to ground and floor motions and shake table protocol inputs. Bulletin of the New Zealand Society for Earthquake Engineering, 2022, 55, 64-79.	0.5	3
5	Towards a reliable seismic assessment of rocking components. Engineering Structures, 2021, 230, 111673.	5.3	26
6	Characterization of local and global capacity criteria for collapse assessment of code-conforming RC buildings. Bulletin of Earthquake Engineering, 2021, 19, 3701-3743.	4.1	12
7	Assessment of existing reinforced concrete bridges under road traffic loads according to the new Italian guidelines. Structural Concrete, 2021, 22, 2868-2881.	3.1	19
8	A BIM-based decision-making framework for optimal seismic retrofit of existing buildings. Engineering Structures, 2021, 242, 112544.	5.3	18
9	Building Information Modelling in Structural Engineering: A Qualitative Literature Review. CivilEng, 2021, 2, 765-793.	1.4	3
10	STRUCTURAL E-PERMITS: AN OPENBIM, MODEL-BASED PROCEDURE FOR PERMIT APPLICATIONS PERTAINING TO STRUCTURAL ENGINEERING. Journal of Civil Engineering and Management, 2021, 27, 651-670.	3.5	8
11	A simple method for N-M interaction diagrams of circular reinforced concrete cross sections. Structural Concrete, 2020, 21, 48-55.	3.1	8
12	Experimental response and fiber reinforced cement composites strengthening of real reinforced concrete columns with poor quality concrete. Structural Concrete, 2019, 20, 1168-1181.	3.1	16
13	Experimental assessment of the seismic performance of hospital cabinets using shake table testing. Earthquake Engineering and Structural Dynamics, 2019, 48, 103-123.	4.4	83
14	The Italian guidelines for seismic risk classification of constructions: technical principles and validation. Bulletin of Earthquake Engineering, 2018, 16, 5905-5935.	4.1	109
15	A multi-criteria approach for selecting the seismic retrofit intervention for an existing structure accounting for expected losses and tax incentives in Italy. Engineering Structures, 2018, 174, 840-850.	5.3	25
16	Local Strengthening of Reinforced Concrete Structures as a Strategy for Seismic Risk Mitigation at Regional Scale. Earthquake Spectra, 2015, 31, 1083-1102.	3.1	41
17	Guidelines for flexural resistance of FRP reinforced concrete slabs and beams in fire. Composites Part B: Engineering, 2014, 58, 103-112.	12.0	36
18	Uncertainly Analysis of Flexural Overstrength for Capacity Design of RC Beams. Journal of Structural Engineering, 2014, 140, .	3.4	29

#	ARTICLE	IF	CITATIONS
19	Experimental Behavior of Nonconforming RC Columns with Plain Bars under Constant Axial Load and Biaxial Bending. <i>Journal of Structural Engineering</i> , 2013, 139, 897-914.	3.4	40
20	Adhesion at High Temperature of FRP Bars Straight or Bent at the end of Concrete Slabs. <i>Journal of Structural Fire Engineering</i> , 2013, 4, 71-86.	0.8	4
21	Performance under Fire Situations of Concrete Members Reinforced with FRP Rods: Bond Models and Design Nomograms. <i>Journal of Composites for Construction</i> , 2012, 16, 395-406.	3.2	43
22	Behavior of FRP Reinforced Concrete Slabs in Case of Fire: Theoretical Models and Experimental Tests. <i>Advances in Structural Engineering</i> , 2012, 15, 637-652.	2.4	12
23	Effect of the Seismic Input on Non-Linear Response of R/C Building Structures. <i>Advances in Structural Engineering</i> , 2012, 15, 1861-1877.	2.4	23
24	Multiscale non-linear analysis of RC hollow piers wrapped with CFRP under shear-type load. <i>Construction and Building Materials</i> , 2012, 35, 947-959.	7.2	5
25	Extension of N2 method to plan irregular buildings considering accidental eccentricity. <i>Soil Dynamics and Earthquake Engineering</i> , 2012, 43, 69-84.	3.8	35
26	A simplified method for flexural capacity assessment of circular RC cross-sections. <i>Engineering Structures</i> , 2011, 33, 942-946.	5.3	20
27	Fire resistance of concrete slabs reinforced with FRP bars. Part I: Experimental investigations on the mechanical behavior. <i>Composites Part B: Engineering</i> , 2011, 42, 1739-1750.	12.0	62
28	Fire resistance of concrete slabs reinforced with FRP bars. Part II: Experimental results and numerical simulations on the thermal field. <i>Composites Part B: Engineering</i> , 2011, 42, 1751-1763.	12.0	43
29	Fire Safety Engineering for Open and Closed Car Parks: C.A.S.E. Project for L'Aquila. <i>Applied Mechanics and Materials</i> , 2011, 82, 746-751.	0.2	7
30	Bond Models for FRP Bars Anchorage in Concrete Slabs under Fire. <i>Applied Mechanics and Materials</i> , 2011, 82, 533-538.	0.2	2
31	Spectral shape-based assessment of SDOF nonlinear response to real, adjusted and artificial accelerograms. <i>Engineering Structures</i> , 2010, 32, 2776-2792.	5.3	66
32	REXEL: computer aided record selection for code-based seismic structural analysis. <i>Bulletin of Earthquake Engineering</i> , 2010, 8, 339-362.	4.1	479
33	Ultimate chord rotation of RC columns with smooth bars: some considerations about EC8 prescriptions. <i>Bulletin of Earthquake Engineering</i> , 2010, 8, 1351-1373.	4.1	43
34	Seismic vulnerability of natural stone pinnacles on the Amalfi Coast in Italy. <i>Journal of Cultural Heritage</i> , 2010, 11, 68-80.	3.3	2
35	Some Remarks on Experimental Estimation of Damping for Seismic Design of Civil Constructions. <i>Shock and Vibration</i> , 2010, 17, 383-395.	0.6	45
36	FRP Strengthening of Full-Scale PC Girders. <i>Journal of Composites for Construction</i> , 2010, 14, 510-520.	3.2	27

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37	Discussion of "Nonlinear Uniaxial Material Model for Reinforcing Steel Bars" by Sashi K. Kunnath, YeongAe Heo, and Jon F. Mohle. <i>Journal of Structural Engineering</i> , 2010, 136, 917-918.	3.4	3
38	Real, Scaled, Adjusted and Artificial Records: A Displacement and Cyclic Response Assessment. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2010, , 39-47.	0.2	0
39	Non-linear modeling of RC rectangular hollow piers confined with CFRP. <i>Composite Structures</i> , 2009, 88, 56-64.	5.8	35
40	Vulnerability of existing R.C. buildings under gravity loads: A simplified approach for non sway structures. <i>Engineering Structures</i> , 2009, 31, 2141-2151.	5.3	13
41	Simplified Method to Include Cumulative Damage in the Seismic Response of Single-Degree-of-Freedom Systems. <i>Journal of Engineering Mechanics - ASCE</i> , 2009, 135, 1081-1088.	2.9	21
42	Cyclic Behavior of Smooth Steel Reinforcing Bars: Experimental Analysis and Modeling Issues. <i>Journal of Earthquake Engineering</i> , 2009, 13, 500-519.	2.5	38
43	A Note on Selection of Time-Histories for Seismic Analysis of Bridges in Eurocode 8. <i>Journal of Earthquake Engineering</i> , 2009, 13, 1125-1152.	2.5	35
44	On the prediction of the collapse load of circular concrete columns confined by FRP. <i>Engineering Structures</i> , 2008, 30, 3247-3264.	5.3	19
45	Seismic strengthening of an under-designed RC structure with FRP. <i>Earthquake Engineering and Structural Dynamics</i> , 2008, 37, 141-162.	4.4	69
46	Unified theory for confinement of RC solid and hollow circular columns. <i>Composites Part B: Engineering</i> , 2008, 39, 1151-1160.	12.0	54
47	Multi-Criteria Decision Making for Seismic Retrofitting of RC Structures. <i>Journal of Earthquake Engineering</i> , 2008, 12, 555-583.	2.5	75
48	Eurocode 8 Compliant Real Record Sets for Seismic Analysis of Structures. <i>Journal of Earthquake Engineering</i> , 2008, 12, 54-90.	2.5	128
49	Experimental Performance of RC Hollow Columns Confined with CFRP. <i>Journal of Composites for Construction</i> , 2007, 11, 42-49.	3.2	81
50	Case Study: Seismic Retrofitting of a Medieval Bell Tower with FRP. <i>Journal of Composites for Construction</i> , 2007, 11, 319-327.	3.2	37
51	Comparison between non-linear dynamic analysis performed according to EC8 and elastic and non-linear static analyses. <i>Engineering Structures</i> , 2007, 29, 2893-2900.	5.3	27
52	Earthquake Early Warning and Engineering Application Prospects. , 2007, , 233-247.		8
53	Title is missing!. <i>Journal of Earthquake Engineering</i> , 2006, 10, 313.	2.5	1
54	Durability issues of FRP rebars in reinforced concrete members. <i>Cement and Concrete Composites</i> , 2006, 28, 857-868.	10.7	157

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55	Ultimate behavior of axially loaded RC wall-like columns confined with GFRP. Composites Part B: Engineering, 2006, 37, 670-678.	12.0	40
56	A fibre model for push-over analysis of underdesigned reinforced concrete frames. Computers and Structures, 2006, 84, 904-916.	4.4	19
57	Ground motion duration effects on nonlinear seismic response. Earthquake Engineering and Structural Dynamics, 2006, 35, 21-38.	4.4	168
58	EXPERIMENTAL BEHAVIOUR AND NUMERICAL MODELLING OF SMOOTH STEEL BARS UNDER COMPRESSION. Journal of Earthquake Engineering, 2006, 10, 313-329.	2.5	44
59	Title is missing!. Journal of Earthquake Engineering, 2005, 9, 1.	2.5	3
60	A MULTILEVEL APPROACH TO THE CAPACITY ASSESSMENT OF EXISTING RC BUILDINGS. Journal of Earthquake Engineering, 2005, 9, 1-22.	2.5	46
61	Performance of School Buildings during the 2002 Molise, Italy, Earthquake. Earthquake Spectra, 2004, 20, 257-270.	3.1	52
62	Structural models of critical regions in old-type r.c. frames with smooth rebars. Engineering Structures, 2004, 26, 2137-2148.	5.3	44
63	Simulation of Earthquake Ground Motion and Effects on Engineering Structures during the Preeruptive Phase of an Active Volcano. Bulletin of the Seismological Society of America, 2004, 94, 2213-2221.	2.3	5
64	Cumulative demand of the earthquake ground motions in the near source. Earthquake Engineering and Structural Dynamics, 2003, 32, 1853-1865.	4.4	41
65	Title is missing!. Journal of Earthquake Engineering, 2002, 6, 101.	2.5	2
66	Research Needs and Unresolved Issues of Composites for Built Infrastructure. Journal of Composites for Construction, 2002, 6, 141-142.	3.2	1
67	SEISMIC ASSESSMENT OF GRAVITY LOAD DESIGNED R.C. FRAMES: CRITICAL ISSUES IN STRUCTURAL MODELLING. Journal of Earthquake Engineering, 2002, 6, 101-122.	2.5	26
68	Modelling of continuous steel-concrete composite beams: computational aspects. Computers and Structures, 2002, 80, 2241-2251.	4.4	19
69	Experimental and Analytical Evaluation of Bond Properties of GFRP Bars. Journal of Materials in Civil Engineering, 2001, 13, 282-290.	2.9	107
70	Ductility of composite beams under negative bending: an equivalence index for reinforcing steel classification. Journal of Constructional Steel Research, 2001, 57, 185-202.	3.9	24
71	Shear and Normal Stresses Interaction in Coupled Structural Systems. Journal of Structural Engineering, 2001, 127, 84-88.	3.4	15
72	Damage indices and damage measures. Structural Control and Health Monitoring, 2000, 2, 50-59.	0.7	125

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73	Local buckling curves for the design of FRP profiles. <i>Thin-Walled Structures</i> , 2000, 37, 207-222.	5.3	65
74	Experimental Response and Code Modelsof GFRP RC Beams in Bending. <i>Journal of Composites for Construction</i> , 2000, 4, 182-190.	3.2	129
75	Damage indices and damage measures. <i>Structural Control and Health Monitoring</i> , 2000, 2, 50-59.	0.7	5
76	Modeling of Steel-Concrete Composite Beams under Negative Bending. <i>Journal of Engineering Mechanics - ASCE</i> , 1999, 125, 654-662.	2.9	44
77	The use of damage functionals in earthquake engineering: A comparison between different methods. <i>Earthquake Engineering and Structural Dynamics</i> , 1993, 22, 855-868.	4.4	232
78	Comparison and optimization of different methods of evaluation of displacements in cracked reinforced concrete beams. <i>Materiaux Et Constructions</i> , 1990, 23, 196-203.	0.3	4