

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	REXEL: computer aided record selection for code-based seismic structural analysis. Bulletin of Earthquake Engineering, 2010, 8, 339-362.	4.1	479
2	The use of damage functionals in earthquake engineering: A comparison between different methods. Earthquake Engineering and Structural Dynamics, 1993, 22, 855-868.	4.4	232
3	Ground motion duration effects on nonlinear seismic response. Earthquake Engineering and Structural Dynamics, 2006, 35, 21-38.	4.4	168
4	Durability issues of FRP rebars in reinforced concrete members. Cement and Concrete Composites, 2006, 28, 857-868.	10.7	157
5	Experimental Response and Code Modelsof GFRP RC Beams in Bending. Journal of Composites for Construction, 2000, 4, 182-190.	3.2	129
6	Eurocode 8 Compliant Real Record Sets for Seismic Analysis of Structures. Journal of Earthquake Engineering, 2008, 12, 54-90.	2.5	128
7	Damage indices and damage measures. Structural Control and Health Monitoring, 2000, 2, 50-59.	0.7	125
8	The Italian guidelines for seismic risk classification of constructions: technical principles and validation. Bulletin of Earthquake Engineering, 2018, 16, 5905-5935.	4.1	109
9	Experimental and Analytical Evaluation of Bond Properties of GFRP Bars. Journal of Materials in Civil Engineering, 2001, 13, 282-290.	2.9	107
10	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
11	Experimental Performance of RC Hollow Columns Confined with CFRP. Journal of Composites for Construction, 2007, 11, 42-49.	3.2	81
12	Multi-Criteria Decision Making for Seismic Retrofitting of RC Structures. Journal of Earthquake Engineering, 2008, 12, 555-583.	2.5	75
13	Seismic strengthening of an underâ€designed RC structure with FRP. Earthquake Engineering and Structural Dynamics, 2008, 37, 141-162.	4.4	69
14	Spectral shape-based assessment of SDOF nonlinear response to real, adjusted and artificial accelerograms. Engineering Structures, 2010, 32, 2776-2792.	5.3	66
15	Local buckling curves for the design of FRP profiles. Thin-Walled Structures, 2000, 37, 207-222.	5.3	65
16	Fire resistance of concrete slabs reinforced with FRP bars. Part I: Experimental investigations on the mechanical behavior. Composites Part B: Engineering, 2011, 42, 1739-1750.	12.0	62
17	Unified theory for confinement of RC solid and hollow circular columns. Composites Part B: Engineering, 2008, 39, 1151-1160.	12.0	54
18	Performance of School Buildings during the 2002 Molise, Italy, Earthquake. Earthquake Spectra, 2004, 20, 257-270.	3.1	52

#	ARTICLE	IF	CITATIONS
19	A MULTILEVEL APPROACH TO THE CAPACITY ASSESSMENT OF EXISTING RC BUILDINGS. Journal of Earthquake Engineering, 2005, 9, 1-22.	2.5	46
20	Some Remarks on Experimental Estimation of Damping for Seismic Design of Civil Constructions. Shock and Vibration, 2010, 17, 383-395.	0.6	45
21	Modeling of Steel-Concrete Composite Beams under Negative Bending. Journal of Engineering Mechanics - ASCE, 1999, 125, 654-662.	2.9	44
22	Structural models of critical regions in old-type r.c. frames with smooth rebars. Engineering Structures, 2004, 26, 2137-2148.	5.3	44
23	EXPERIMENTAL BEHAVIOUR AND NUMERICAL MODELLING OF SMOOTH STEEL BARS UNDER COMPRESSION. Journal of Earthquake Engineering, 2006, 10, 313-329.	2.5	44
24	Ultimate chord rotation of RC columns with smooth bars: some considerations about EC8 prescriptions. Bulletin of Earthquake Engineering, 2010, 8, 1351-1373.	4.1	43
25	Fire resistance of concrete slabs reinforced with FRP bars. Part II: Experimental results and numerical simulations on the thermal field. Composites Part B: Engineering, 2011, 42, 1751-1763.	12.0	43
26	Performance under Fire Situations of Concrete Members Reinforced with FRP Rods: Bond Models and Design Nomograms. Journal of Composites for Construction, 2012, 16, 395-406.	3.2	43
27	Cumulative demand of the earthquake ground motions in the near source. Earthquake Engineering and Structural Dynamics, 2003, 32, 1853-1865.	4.4	41
28	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
29	Ultimate behavior of axially loaded RC wall-like columns confined with GFRP. Composites Part B: Engineering, 2006, 37, 670-678.	12.0	40
30	Experimental Behavior of Nonconforming RC Columns with Plain Bars under Constant Axial Load and Biaxial Bending. Journal of Structural Engineering, 2013, 139, 897-914.	3.4	40
31	Cyclic Behavior of Smooth Steel Reinforcing Bars: Experimental Analysis and Modeling Issues. Journal of Earthquake Engineering, 2009, 13, 500-519.	2.5	38
32	Case Study: Seismic Retrofitting of a Medieval Bell Tower with FRP. Journal of Composites for Construction, 2007, 11, 319-327.	3.2	37
33	Guidelines for flexural resistance of FRP reinforced concrete slabs and beams in fire. Composites Part B: Engineering, 2014, 58, 103-112.	12.0	36
34	Non-linear modeling of RC rectangular hollow piers confined with CFRP. Composite Structures, 2009, 88, 56-64.	5.8	35
35	A Note on Selection of Time-Histories for Seismic Analysis of Bridges in Eurocode 8. Journal of Earthquake Engineering, 2009, 13, 1125-1152.	2.5	35
36	Extension of N2 method to plan irregular buildings considering accidental eccentricity. Soil Dynamics and Earthquake Engineering, 2012, 43, 69-84.	3.8	35

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37	Uncertainly Analysis of Flexural Overstrength for Capacity Design of RC Beams. Journal of Structural Engineering, 2014, 140, .	3.4	29
38	Comparison between non-linear dynamic analysis performed according to EC8 and elastic and non-linear static analyses. Engineering Structures, 2007, 29, 2893-2900.	5.3	27
39	FRP Strengthening of Full-Scale PC Girders. Journal of Composites for Construction, 2010, 14, 510-520.	3.2	27
40	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
41	Towards a reliable seismic assessment of rocking components. Engineering Structures, 2021, 230, 111673.	5.3	26
42	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
43	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
44	Effect of the Seismic Input on Non-Linear Response of R/C Building Structures. Advances in Structural Engineering, 2012, 15, 1861-1877.	2.4	23
45	Simplified Method to Include Cumulative Damage in the Seismic Response of Single-Degree-of-Freedom Systems. Journal of Engineering Mechanics - ASCE, 2009, 135, 1081-1088.	2.9	21
46	A simplified method for flexural capacity assessment of circular RC cross-sections. Engineering Structures, 2011, 33, 942-946.	5.3	20
47	Modelling of continuous steel-concrete composite beams: computational aspects. Computers and Structures, 2002, 80, 2241-2251.	4.4	19
48	A fibre model for push-over analysis of underdesigned reinforced concrete frames. Computers and Structures, 2006, 84, 904-916.	4.4	19
49	On the prediction of the collapse load of circular concrete columns confined by FRP. Engineering Structures, 2008, 30, 3247-3264.	5.3	19
50	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
51	A BIM-based decision-making framework for optimal seismic retrofit of existing buildings. Engineering Structures, 2021, 242, 112544.	5.3	18
52	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
53	Shear and Normal Stresses Interaction in Coupled Structural Systems. Journal of Structural Engineering, 2001, 127, 84-88.	3.4	15
54	Vulnerability of existing R.C. buildings under gravity loads: A simplified approach for non sway structures. Engineering Structures, 2009, 31, 2141-2151.	5.3	13

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55	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
56	Characterization of local and global capacity criteria for collapse assessment of code-conforming RC buildings. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 3701-3743.	4.1	12
57	A simple method for Nâ€M interaction diagrams of circular reinforced concrete cross sections. <i>Structural Concrete</i> , 2020, 21, 48-55.	3.1	8
58	Earthquake Early Warning and Engineering Application Prospects. , 2007, , 233-247.		8
59	STRUCTURAL E-PERMITS: AN OPENBIM, MODEL-BASED PROCEDURE FOR PERMIT APPLICATIONS PERTAINING TO STRUCTURAL ENGINEERING. <i>Journal of Civil Engineering and Management</i> , 2021, 27, 651-670.	3.5	8
60	Fire Safety Engineering for Open and Closed Car Parks: C.A.S.E. Project for Lâ€™Aquila. <i>Applied Mechanics and Materials</i> , 2011, 82, 746-751.	0.2	7
61	Simulation of Earthquake Ground Motion and Effects on Engineering Structures during the Preeruptive Phase of an Active Volcano. <i>Bulletin of the Seismological Society of America</i> , 2004, 94, 2213-2221.	2.3	5
62	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
63	Damage indices and damage measures. <i>Structural Control and Health Monitoring</i> , 2000, 2, 50-59.	0.7	5
64	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
65	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
66	Title is missing!. <i>Journal of Earthquake Engineering</i> , 2005, 9, 1.	2.5	3
67	Discussion of â€œNonlinear Uniaxial Material Model for Reinforcing Steel Barsâ€–by Sashi K. Kunnath, YeongAe Heo, and Jon F. Mohle. <i>Journal of Structural Engineering</i> , 2010, 136, 917-918.	3.4	3
68	Building Information Modelling in Structural Engineering: A Qualitative Literature Review. <i>CivilEng</i> , 2021, 2, 765-793.	1.4	3
69	Incremental dynamic analysis of rigid blocks subjected to ground and floor motions and shake table protocol inputs. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2022, 55, 64-79.	0.5	3
70	Title is missing!. <i>Journal of Earthquake Engineering</i> , 2002, 6, 101.	2.5	2
71	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
72	Bond Models for FRP Bars Anchorage in Concrete Slabs under Fire. <i>Applied Mechanics and Materials</i> , 2011, 82, 533-538.	0.2	2

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73	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
74	Research Needs and Unresolved Issues of Composites for Built Infrastructure. Journal of Composites for Construction, 2002, 6, 141-142.	3.2	1
75	Title is missing!. Journal of Earthquake Engineering, 2006, 10, 313.	2.5	1
76	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
77	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
78	Real, Scaled, Adjusted and Artificial Records: A Displacement and Cyclic Response Assessment. Geotechnical, Geological and Earthquake Engineering, 2010, , 39-47.	0.2	0