

Gaetano Manfredi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

256
papers

8,565
citations

50
h-index

74
g-index

265
ext. papers

9,900
ext. citations

4
avg, IF

6.4
L-index

#	Paper	IF	Citations
256	Influence of textile reinforced mortars strengthening on the in-plane/out-of-plane response of masonry infill walls in RC frames. <i>Engineering Structures</i> , 2022 , 254, 113887	4.7	0
255	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	4
254	Empirical prediction of the in-plane/out-of-plane interaction effects in clay brick unreinforced masonry infill walls. <i>Engineering Structures</i> , 2021 , 227, 111438	4.7	15
253	Building Information Modelling in Structural Engineering: A Qualitative Literature Review. <i>CivilEng</i> , 2021 , 2, 765-793	1.7	1
252	Integration of blockchains and smart contracts into construction information flows: Proof-of-concept. <i>Automation in Construction</i> , 2021 , 132, 103925	9.6	11
251	Experimental analysis of strengthening solutions for the out-of-plane collapse of masonry infills in RC structures through textile reinforced mortars. <i>Engineering Structures</i> , 2020 , 207, 110203	4.7	28
250	Seismic Strength of One-Story Precast Building Dowel Connections. <i>Lecture Notes in Civil Engineering</i> , 2020 , 110-123	0.3	
249	Seismic fragility for Italian RC buildings based on damage data of the last 50 years. <i>Bulletin of Earthquake Engineering</i> , 2020 , 18, 2023-2059	3.7	29
248	Regional vulnerability and risk assessment accounting for local building typologies. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 43, 101400	4.5	22
247	Seismic collapse assessment of new European single-story RC precast buildings with weak connections. <i>Bulletin of Earthquake Engineering</i> , 2020 , 18, 6661-6686	3.7	7
246	Italian university rectors for health and environment: the U4ALL initiative. <i>Lancet, The</i> , 2019 , 394, 1319	4.0	1
245	Experimental investigation on the influence of the aspect ratio on the in-plane/out-of-plane interaction for masonry infills in RC frames. <i>Engineering Structures</i> , 2019 , 189, 523-540	4.7	43
244	Site-specific probabilistic seismic hazard analysis for the western area of Naples, Italy. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 4743-4796	3.7	13
243	Empirical fragility curves for masonry buildings after the 2009 L'Aquila, Italy, earthquake. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 6301-6330	3.7	34
242	BIM-based approach for the cost-optimization of seismic retrofit strategies on existing buildings. <i>Automation in Construction</i> , 2019 , 98, 90-101	9.6	22
241	Corrosion effects on seismic capacity of reinforced concrete structures. <i>Corrosion Reviews</i> , 2019 , 37, 45-56	3.2	27
240	Seismic response of RC buildings during the Mw 6.0 August 24, 2016 Central Italy earthquake: the Amatrice case study. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 5631-5654	3.7	50

239	Remarks on damage and response of school buildings after the Central Italy earthquake sequence. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 5679-5700	3.7	16
238	Correlation of In-Situ Material Characterization Tests and Experimental Performances of RC Members. <i>Lecture Notes in Civil Engineering</i> , 2018 , 454-466	0.3	1
237	Shaking table tests for the experimental verification of the effectiveness of an automated modal parameter monitoring system for existing bridges in seismic areas. <i>Structural Control and Health Monitoring</i> , 2018 , 25, e2165	4.5	12
236	Debris flow damage incurred to buildings: an in situ back analysis. <i>Journal of Flood Risk Management</i> , 2018 , 11, S646-S662	3.1	15
235	Seismic Design of Single-Story Precast Structures for P- Δ Effects. <i>ACI Structural Journal</i> , 2018 , 115,	1.7	2
234	Role of Urban Interactions and Damage in Seismic Resilience of Historical Centers. <i>Lecture Notes in Computer Science</i> , 2018 , 97-106	0.9	
233	Numerical model for the in-plane seismic capacity evaluation of tall plasterboard internal partitions. <i>Thin-Walled Structures</i> , 2018 , 122, 572-584	4.7	5
232	Seismic Risk Mitigation for a Portfolio of Reinforced Concrete Frame Buildings through Optimal Allocation of a Limited Budget. <i>Advances in Civil Engineering</i> , 2018 , 2018, 1-18	1.3	6
231	Seismic Performance of Single-Story Precast Buildings: Effect of Cladding Panels. <i>Journal of Structural Engineering</i> , 2018 , 144, 04018134	3	3
230	Reconstruction process of damaged residential buildings outside historical centres after the L'Aquila earthquake: part I "light damage" reconstruction. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 667-692	3.7	82
229	Reconstruction process of damaged residential buildings outside historical centres after the L'Aquila earthquake: part II "heavy damage" reconstruction. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 693-729	3.7	83
228	Preface to the special issue "Post-earthquake assessment and reconstruction" <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 493-495	3.7	
227	Exact stiffness matrix of two nodes Timoshenko beam on elastic medium. An analogy with Eringen model of nonlocal Euler-Bernoulli nanobeams. <i>Computers and Structures</i> , 2017 , 182, 556-572	4.5	17
226	Shake table tests on standard and innovative temporary partition walls. <i>Earthquake Engineering and Structural Dynamics</i> , 2017 , 46, 1599-1624	4	21
225	Collapse resistance assessment through the implementation of progressive damage in finite element codes. <i>Engineering Structures</i> , 2017 , 136, 523-534	4.7	21
224	Urban-scale seismic fragility assessment of RC buildings subjected to L'Aquila earthquake. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 96, 49-63	3.5	16
223	Alternative Resilience Indices for City Ecosystems Subjected to Natural Hazards. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017 , 32, 527-545	8.4	19
222	Seismic Demand on Acceleration-Sensitive Nonstructural Components. <i>Computational Methods in Applied Sciences (Springer)</i> , 2017 , 177-204	0.4	

221	Design Oriented Model for the Assessment of T-Shaped Beam-Column Joints in Reinforced Concrete Frames. <i>Buildings</i> , 2017 , 7, 118	3.2	7
220	FRP for seismic strengthening of shear controlled RC columns: Experience from earthquakes and experimental analysis. <i>Composites Part B: Engineering</i> , 2017 , 129, 47-57	10	40
219	Analytical fragility assessment using unscaled ground motion records. <i>Earthquake Engineering and Structural Dynamics</i> , 2017 , 46, 2639-2663	4	108
218	Cyclic shear tests on RC precast beam-to-column connections retrofitted with a three-hinged steel device. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 3797-3817	3.7	10
217	National-level prediction of expected seismic loss based on historical catalogue. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 2853-2877	3.7	
216	Influence of FRP wrapping on reinforcement performances at lap splice regions in RC columns. <i>Composites Part B: Engineering</i> , 2017 , 116, 313-324	10	4
215	Nondestructive assessment of corrosion of reinforcing bars through surface concrete cracks. <i>Structural Concrete</i> , 2017 , 18, 104-117	2.6	41
214	A methodological framework assessing disaster resilience of city ecosystems to enhance resource use efficiency. <i>International Journal of Urban Sustainable Development</i> , 2017 , 9, 136-150	2.6	8
213	Empirical fragility curves from damage data on RC buildings after the 2009 L'Aquila earthquake. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 1425-1450	3.7	75
212	Estimation of repair costs for RC and masonry residential buildings based on damage data collected by post-earthquake visual inspection. <i>Bulletin of Earthquake Engineering</i> , 2017 , 15, 1681-1706	3.7	35
211	Seismic Strengthening of Masonry Vaults with Abutments Using Textile-Reinforced Mortar. <i>Journal of Composites for Construction</i> , 2017 , 21, 04016079	3.3	30
210	Analysis of the Population Assistance and Returning Home in the Reconstruction Process of the 2009 L'Aquila Earthquake. <i>Sustainability</i> , 2017 , 9, 1395	3.6	11
209	Shaking table tests on a full-scale unreinforced and IMG-retrofitted clay brick masonry barrel vault. <i>Bulletin of Earthquake Engineering</i> , 2016 , 14, 1663-1693	3.7	33
208	Procedures for calibration of linear models for damage limitation in design of masonry-infilled RC frames. <i>Earthquake Engineering and Structural Dynamics</i> , 2016 , 45, 1315-1335	4	14
207	Modelling beam-column joints and FRP strengthening in the seismic performance assessment of RC existing frames. <i>Composite Structures</i> , 2016 , 142, 107-116	5.3	36
206	Performance-based flood safety-checking for non-engineered masonry structures. <i>Engineering Structures</i> , 2016 , 106, 109-123	4.7	23
205	Model updating and seismic loss assessment for a portfolio of bridges. <i>Bulletin of Earthquake Engineering</i> , 2016 , 14, 699-719	3.7	23
204	Experimental assessment of unreinforced exterior beam-column joints with deformed bars. <i>Engineering Structures</i> , 2016 , 112, 215-232	4.7	41

203	Floor response spectra in RC frame structures designed according to Eurocode 8. <i>Bulletin of Earthquake Engineering</i> , 2016 , 14, 747-767	3-7	37
202	Defining structural robustness under seismic and simultaneous actions: an application to precast RC buildings. <i>Bulletin of Earthquake Engineering</i> , 2016 , 14, 485-499	3-7	9
201	Out-of-plane seismic performance of plasterboard partition walls via quasi-static tests. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2016 , 49, 125-137	0-5	7
200	Seismic Assessment via EC8 of Modern Heritage Structures 2016 , 1002-1021		
199	Experimental tests of unreinforced exterior beam-column joints with plain bars. <i>Engineering Structures</i> , 2016 , 118, 178-194	4-7	30
198	Failure of a precast RC building due to Emilia-Romagna earthquakes. <i>Engineering Structures</i> , 2016 , 118, 262-273	4-7	35
197	Observed and predicted earthquake damage scenarios: the case study of Pettino (L'Aquila) after the 6th April 2009 event. <i>Bulletin of Earthquake Engineering</i> , 2016 , 14, 2643-2678	3-7	22
196	Mechanical Properties of Plasterboards: Experimental Tests and Statistical Analysis. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04016129	3	18
195	Analytical versus observational fragilities: the case of Pettino (L'Aquila) damage data database. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 1161-1181	3-7	25
194	Life cycle environmental impact of different replacement options for a typical old flat roof. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 694-708	4-6	19
193	LCA-based study on structural retrofit options for masonry buildings. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 23-35	4-6	23
192	Operational (Short-Term) Earthquake Loss Forecasting in Italy. <i>Bulletin of the Seismological Society of America</i> , 2015 , 105, 2286-2298	2-3	19
191	Developing an integrated framework to quantify resilience of urban systems against disasters. <i>Natural Hazards</i> , 2015 , 78, 1729-1748	3	62
190	Development and urban-scale application of a simplified method for seismic fragility assessment of RC buildings. <i>Engineering Structures</i> , 2015 , 91, 40-57	4-7	43
189	Preliminary ranking of alternative scalar and vector intensity measures of ground shaking. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 2805-2840	3-7	79
188	Local Strengthening of Reinforced Concrete Structures as a Strategy for Seismic Risk Mitigation at Regional Scale. <i>Earthquake Spectra</i> , 2015 , 31, 1083-1102	3-4	33
187	Dynamic properties of typical consultation room medical components. <i>Engineering Structures</i> , 2015 , 100, 442-454	4-7	18
186	Experimental investigation of the seismic performances of IMG reinforcement on curved masonry elements. <i>Composites Part B: Engineering</i> , 2015 , 70, 53-63	10	48

185	Bayesian Cloud Analysis: efficient structural fragility assessment using linear regression. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 1183-1203	3.7	119
184	Influence of cladding panels on the first period of one-story precast buildings. <i>Bulletin of Earthquake Engineering</i> , 2015 , 13, 1531-1555	3.7	35
183	Linking disaster resilience and urban sustainability: a global approach for future cities. <i>Disasters</i> , 2015 , 39 Suppl 1, S96-111	2.8	32
182	Assessing reparability: simple tools for estimation of costs and performance loss of earthquake damaged reinforced concrete buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2015 , 44, 1539-1557	4.557	19
181	Seismic demand on light acceleration-sensitive nonstructural components in European reinforced concrete buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2015 , 44, 1203-1217	4	63
180	Seismic fragility of plasterboard partitions via in-plane quasi-static tests. <i>Earthquake Engineering and Structural Dynamics</i> , 2015 , 44, 2589-2606	4	26
179	Simplified Model for Strengthening Design of Beam-Column Internal Joints in Reinforced Concrete Frames. <i>Polymers</i> , 2015 , 7, 1732-1754	4.5	30
178	Behavior of Full-Scale Porous GFRP Barrier under Blast Loads. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-11	2.4	4
177	Experimental Seismic Performance Assessment of Hospital Building Contents 2015 ,		1
176	Analytical model and design approach for FRP strengthening of non-conforming RC corner beam-column joints. <i>Engineering Structures</i> , 2015 , 87, 8-20	4.7	39
175	Cyclic shear test on a dowel beam-to-column connection of precast buildings. <i>Earthquake and Structures</i> , 2015 , 9, 541-562		19
174	CATASTROPHE RESILIENCE RELATED TO URBAN NETWORK SHAPE: PRELIMINARY ANALYSIS. 2015 ,		4
173	Evaluation of the Seismic Capacity of Nonstructural Components. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2015 , 97-109	0.2	
172	Seismic Assessment via EC8 of Modern Heritage Structures. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2015 , 607-628	0.5	
171	Shake table tests for the seismic assessment of hollow brick internal partitions. <i>Engineering Structures</i> , 2014 , 72, 203-214	4.7	29
170	Guidelines for flexural resistance of FRP reinforced concrete slabs and beams in fire. <i>Composites Part B: Engineering</i> , 2014 , 58, 103-112	10	25
169	FEM analysis of the strength of RC beam-to-column dowel connections under monotonic actions. <i>Construction and Building Materials</i> , 2014 , 69, 271-284	6.7	48
168	Assessment of Urban Ecosystem Resilience through Hybrid Social-Physical Complex Networks. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014 , 29, n/a-n/a	8.4	28

167	Probabilistic approach for failure assessment of steel structures in fire by means of plastic limit analysis. <i>Fire Safety Journal</i> , 2014 , 68, 16-29	3-3	12
166	Probabilistic design equations for the shear capacity of RC members with FRP internal shear reinforcement. <i>Composites Part B: Engineering</i> , 2014 , 67, 199-208	10	11
165	Seismic performance evaluation of plasterboard partitions via shake table tests. <i>Bulletin of Earthquake Engineering</i> , 2014 , 12, 1657-1677	3-7	58
164	2012 Emilia earthquake, Italy: reinforced concrete buildings response. <i>Bulletin of Earthquake Engineering</i> , 2014 , 12, 2275-2298	3-7	30
163	Mechanical behaviour of FRP-confined masonry by testing of full-scale columns. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014 , 47, 2081-2100	3-4	38
162	Experimental Investigation of Exterior RC Beam-Column Joints Retrofitted with FRP Systems. <i>Journal of Composites for Construction</i> , 2014 , 18, 04014002	3-3	72
161	Analytical Evaluation of FRP Wrapping Effectiveness in Restraining Reinforcement Bar Buckling. <i>Journal of Structural Engineering</i> , 2014 , 140, 04014043	3	13
160	Eurocode-based seismic assessment of modern heritage RC structures: The case of the Tower of the Nations in Naples (Italy). <i>Engineering Structures</i> , 2014 , 74, 96-110	4-7	11
159	Evaluation of different computational modelling strategies for the analysis of low strength masonry structures. <i>Engineering Structures</i> , 2014 , 73, 160-169	4-7	85
158	Cyclic Behavior of Nonconforming Full-Scale RC Columns. <i>Journal of Structural Engineering</i> , 2014 , 140, 04013107	3	30
157	A Semi-Probabilistic GIS-Based Method for Meso-Scale Flood Hazard Zonation 2014 ,		1
156	Seismic Vulnerability Assessment at Urban Scale Based on Different Building Stock Data Sources 2014 ,		3
155	Simplified Modeling of Rectangular Concrete Cross-Sections Confined by External FRP Wrapping. <i>Polymers</i> , 2014 , 6, 1187-1206	4-5	16
154	A performance-based framework for adaptive seismic aftershock risk assessment. <i>Earthquake Engineering and Structural Dynamics</i> , 2014 , 43, 2179-2197	4	30
153	The Emilia Earthquake: Seismic Performance of Precast Reinforced Concrete Buildings. <i>Earthquake Spectra</i> , 2014 , 30, 891-912	3-4	140
152	Adaptive Daily Forecasting of Seismic Aftershock Hazard. <i>Bulletin of the Seismological Society of America</i> , 2014 , 104, 145-161	2-3	18
151	Influence of Masonry Properties on Confinement: A Mechanical Model. <i>Key Engineering Materials</i> , 2014 , 624, 299-306	0-4	1
150	Nonlinear Analyses of Adobe Masonry Walls Reinforced with Fiberglass Mesh. <i>Polymers</i> , 2014 , 6, 464-478	1-5	12

149	Probabilistic GIS-based method for delineation of urban flooding risk hotspots. <i>Natural Hazards</i> , 2014 , 73, 975	3	55
148	Adaptive post-earthquake reliability assessment of structures subjected to aftershocks 2014 , 4153-4160		1
147	Lateral Response Evaluation of Old Type Reinforced Concrete Columns with Smooth Bars. <i>ACI Structural Journal</i> , 2014 , 111,	1.7	16
146	Development of Earthquake Early Warning Systems in the European Union. <i>Advanced Technologies in Earth Sciences</i> , 2014 , 89-101		2
145	L'Aquila Earthquake: A Wake-Up Call for European Research and Codes. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2014 , 129-142	0.2	
144	Seismic insurance model for the Italian residential building stock. <i>Structural Safety</i> , 2013 , 44, 70-79	4.9	18
143	Flood risk assessment for informal settlements. <i>Natural Hazards</i> , 2013 , 69, 1003-1032	3	77
142	Influence of infill distribution and design typology on seismic performance of low- and mid-rise RC buildings. <i>Bulletin of Earthquake Engineering</i> , 2013 , 11, 1585-1616	3.7	48
141	Military Quarters in Nola, Italy Caserma Principe Amedeo: Damage Assessment and Reconstruction of a Partially Collapsed XVIII Century Complex. <i>International Journal of Architectural Heritage</i> , 2013 , 7, 225-246	2.1	7
140	Rocking response assessment of in-plane laterally-loaded masonry walls with openings. <i>Engineering Structures</i> , 2013 , 56, 1234-1248	4.7	43
139	Hysteretic cyclic response of concrete columns reinforced with smooth bars. <i>Bulletin of Earthquake Engineering</i> , 2013 , 11, 2033-2053	3.7	13
138	ASCE/SEI 41 Provisions on Deformation Capacity of Older-Type Reinforced Concrete Columns with Plain Bars. <i>Journal of Structural Engineering</i> , 2013 , 139, 04013014	3	10
137	Assessment of ecological sustainability of a building subjected to potential seismic events during its lifetime. <i>International Journal of Life Cycle Assessment</i> , 2013 , 18, 504-515	4.6	41
136	Use of geopolymers for composite external reinforcement of RC members. <i>Composites Part B: Engineering</i> , 2013 , 45, 1667-1676	10	93
135	A proposal for plastic hinges modification factors for damaged RC columns. <i>Engineering Structures</i> , 2013 , 51, 99-112	4.7	26
134	Damage-dependent vulnerability curves for existing buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2013 , 42, 853-870	4	33
133	Application-Oriented Chemical Optimization of a Metakaolin Based Geopolymer. <i>Materials</i> , 2013 , 6, 1920-1939	3	72
132	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	33

131	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	0.9	4
130	An Outlook Into Time-Dependent Aftershock Vulnerability Assessment 2013 ,		6
129	Improved mechanical properties of CFRP laminates at elevated temperatures and freeze-thaw cycling. <i>Construction and Building Materials</i> , 2012 , 31, 273-283	6.7	33
128	Robust output-only modal identification and monitoring of buildings in the presence of dynamic interactions for rapid post-earthquake emergency management. <i>Engineering Structures</i> , 2012 , 34, 436-446	4.7	39
127	Influence of strain rate on the seismic response of RC structures. <i>Engineering Structures</i> , 2012 , 35, 29-36	4.7	33
126	Experimental tests on full-scale RC unretrofitted frame and retrofitted with buckling-restrained braces. <i>Earthquake Engineering and Structural Dynamics</i> , 2012 , 41, 315-333	4	83
125	Shake table tests for seismic assessment of suspended continuous ceilings. <i>Bulletin of Earthquake Engineering</i> , 2012 , 10, 1819-1832	3.7	59
124	Externally Bonded Masonry Structures 2012 , 1		3
123	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	6.7	5
122	Analytical model for the effective strain in FRP-wrapped circular RC columns. <i>Composites Part B: Engineering</i> , 2012 , 43, 3208-3218	10	28
121	Externally Bonded Reinforced Concrete Structures 2012 , 1		
120	Numerical Investigation on the Influence of FRP Retrofit Layout and Geometry on the In-Plane Behavior of Masonry Walls. <i>Journal of Composites for Construction</i> , 2012 , 16, 712-723	3.3	34
119	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	3.3	29
118	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	1.9	8
117	Influence of Infill Panels and their Distribution on Seismic Behavior of Existing Reinforced Concrete Buildings. <i>Open Construction and Building Technology Journal</i> , 2012 , 6, 236-253	1.1	21
116	Ultimate limit state of MF-FRP beams. <i>Bridge Maintenance, Safety and Management</i> , 2012 , 1235-1242		1
115	Bond Efficiency of EBR and NSM FRP Systems for Strengthening Concrete Members. <i>Journal of Composites for Construction</i> , 2011 , 15, 757-772	3.3	162
114	Nonlinear Behavior of a Masonry Subassemblage Before and After Strengthening with Inorganic Matrix-Grid Composites. <i>Journal of Composites for Construction</i> , 2011 , 15, 821-832	3.3	56

113	A decision support system for post-earthquake reliability assessment of structures subjected to aftershocks: an application to L'Aquila earthquake, 2009. <i>Bulletin of Earthquake Engineering</i> , 2011 , 9, 997-1014	3-7	35
112	Analytical investigation of elastic period of infilled RC MRF buildings. <i>Engineering Structures</i> , 2011 , 33, 308-319	4-7	46
111	Assessment of RC columns subjected to horizontal and vertical ground motions recorded during the 2009 L'Aquila (Italy) earthquake. <i>Engineering Structures</i> , 2011 , 33, 1514-1535	4-7	49
110	Potential of structural pozzolanic matrix fiber grid composites. <i>Construction and Building Materials</i> , 2011 , 25, 2867-2874	6-7	45
109	Preliminary analysis of a soft-storey mechanism after the 2009 L'Aquila earthquake. <i>Earthquake Engineering and Structural Dynamics</i> , 2011 , 40, 925-944	4	70
108	Multi-hazard upgrade decision making for critical infrastructure based on life-cycle cost criteria. <i>Earthquake Engineering and Structural Dynamics</i> , 2011 , 40, 1163-1179	4	31
107	Neoprene-concrete friction relationships for seismic assessment of existing precast buildings. <i>Engineering Structures</i> , 2011 , 33, 532-538	4-7	39
106	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	10	51
105	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	10	32
104	Modeling of flexural behavior of RC beams strengthened with mechanically fastened FRP strips. <i>Composite Structures</i> , 2011 , 93, 1973-1985	5-3	31
103	Earthquake early warning as a tool for improving society's resilience and crisis response. <i>Soil Dynamics and Earthquake Engineering</i> , 2011 , 31, 267-270	3-5	17
102	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	0-3	4
101	Bond Models for FRP Bars Anchorage in Concrete Slabs under Fire. <i>Applied Mechanics and Materials</i> , 2011 , 82, 533-538	0-3	1
100	Damage Assessment and Design of Structural Interventions for Monte di Pietr�n Naples, Italy. <i>International Journal of Architectural Heritage</i> , 2011 , 5, 647-676	2-1	3
99	In-Plane Lateral Response of a Full-Scale Masonry Subassemblage with and without an Inorganic Matrix-Grid Strengthening System. <i>Journal of Composites for Construction</i> , 2011 , 15, 578-590	3-3	76
98	Performance of Different Seismic Retrofitting Techniques in Case of Blast-Induced Progressive Collapse. <i>Applied Mechanics and Materials</i> , 2011 , 82, 485-490	0-3	2
97	Knowledge-Based Performance Assessment of Existing RC Buildings. <i>Journal of Earthquake Engineering</i> , 2011 , 15, 362-389	1-8	28
96	Seismic Vulnerability Assessment Using Field Survey and Remote Sensing Techniques. <i>Lecture Notes in Computer Science</i> , 2011 , 109-124	0-9	7

95	FRP Strengthening of Full-Scale PC Girders. <i>Journal of Composites for Construction</i> , 2010 , 14, 510-520	3.3	20
94	Assessment of the Electromagnetic Disturbance of a Glass Fiber Reinforced Composite Fencing Structure. <i>Journal of Composites for Construction</i> , 2010 , 14, 629-635	3.3	3
93	FRP Confinement of Tuff and Clay Brick Columns: Experimental Study and Assessment of Analytical Models. <i>Journal of Composites for Construction</i> , 2010 , 14, 583-596	3.3	76
92	Comparative Analysis on the Seismic Behavior of Combined RC-Masonry Buildings. <i>Journal of Structural Engineering</i> , 2010 , 136, 1483-1496	3	2
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