

Piero Colajanni

List of Publications by Year in descending order

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papers

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430874

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citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic Performance of Earthquake-Resilient RC Frames Made with HSTC Beams and Friction Damper Devices. <i>Journal of Earthquake Engineering</i> , 2022, 26, 7787-7813.	2.5	8
2	Performance of a historical cantilever reinforced concrete bridge with half-joint degradation. <i>Structures</i> , 2022, 37, 561-575.	3.6	8
3	Influence of Cross-Section Shape and FRP Reinforcement Layout on Shear Capacity of Strengthened RC Beams. <i>Materials</i> , 2022, 15, 4545.	2.9	1
4	RC beams retrofitted by FRP oriented in any direction: Influence of the effectiveness factors. <i>Engineering Structures</i> , 2022, 266, 114589.	5.3	6
5	Design of RC joints equipped with hybrid trussed beams and friction dampers. <i>Engineering Structures</i> , 2021, 227, 111442.	5.3	17
6	Shear Capacity Model with Variable Orientation of Concrete Stress Field for RC Beams Strengthened by FRP with Different Inclinations. <i>Journal of Composites for Construction</i> , 2021, 25, .	3.2	4
7	Steel based retrofitting interventions for existing masonry walls: a comparative numerical investigation. <i>Ce/Papers</i> , 2021, 4, 2442-2450.	0.3	1
8	Shear resistance analytical evaluation for RC beams with transverse reinforcement with two different inclinations. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	3.1	7
9	Comparison of fully non-stationary artificial accelerogram generation methods in reproducing seismicity at a given site. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 133, 106135.	3.8	8
10	Ultimate Shear of RC Beams with Corroded Stirrups and Strengthened with FRP. <i>Buildings</i> , 2019, 9, 34.	3.1	11
11	Push-Over Analysis of RC Frame with Corroded Rebar. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 627, 012020.	0.6	0
12	Stress transfer and failure mechanisms in steel-concrete trussed beams: Experimental investigation on slab-thick and full-thick beams. <i>Construction and Building Materials</i> , 2018, 161, 267-281.	7.2	14
13	Review of Push-Out and Shear Response of Hybrid Steel-Trussed Concrete Beams. <i>Buildings</i> , 2018, 8, 134.	3.1	11
14	Increasing the shear capacity of reinforced concrete beams using pretensioned stainless steel ribbons. <i>Structural Concrete</i> , 2017, 18, 444-453.	3.1	18
15	Stress Field Model for Strengthening of Shear-Flexure Critical RC Beams. <i>Journal of Composites for Construction</i> , 2017, 21, .	3.2	14
16	Experimental Investigation of the Shear Response of Precast Steel-Concrete Trussed Beams. <i>Journal of Structural Engineering</i> , 2017, 143, .	3.4	10
17	Analytical prediction of the shear connection capacity in composite steel-concrete trussed beams. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	13
18	Increasing the flexural capacity of RC beams using steel angles and pre-tensioned stainless steel ribbons. <i>Structural Concrete</i> , 2016, 17, 848-857.	3.1	15

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19	Failure by corrosion in PC bridges: a case history of a viaduct in Italy. International Journal of Structural Integrity, 2016, 7, .	3.3	34
20	Validation of a Shear Model for RC and Hybrid Beams with Two Different Inclinations of Transversal Reinforcement. Applied Mechanics and Materials, 2016, 847, 505-512.	0.2	2
21	Analytical evaluation of steel-concrete composite trussed beam shear capacity. Materials and Structures/Materiaux Et Constructions, 2016, 49, 3159-3176.	3.1	26
22	FEM analysis of push-out test response of Hybrid Steel Trussed Concrete Beams (HSTCBs). Journal of Constructional Steel Research, 2015, 111, 88-102.	3.9	35
23	Stiffness and strength of composite truss beam to R.C. column connection in MRFs. Journal of Constructional Steel Research, 2015, 113, 86-100.	3.9	16
24	Shear strength degradation due to flexural ductility demand in circular RC columns. Bulletin of Earthquake Engineering, 2015, 13, 1795-1807.	4.1	19
25	Increasing the Capacity of Existing Bridges by Using Unbonded Prestressing Technology: A Case Study. Advances in Civil Engineering, 2014, 2014, 1-10.	0.7	16
26	Experimental in situ behaviour of unreinforced masonry elements retrofitted by pre-tensioned stainless steel ribbons. Construction and Building Materials, 2014, 73, 740-753.	7.2	27
27	Concrete columns confined with fibre reinforced cementitious mortars: Experimentation and modelling. Construction and Building Materials, 2014, 52, 375-384.	7.2	114
28	Definition of diagonal Poisson's ratio and elastic modulus for infill masonry walls. Materials and Structures/Materiaux Et Constructions, 2014, 47, 239-262.	3.1	44
29	Stress transfer mechanism investigation in hybrid steel trussed-concrete beams by push-out tests. Journal of Constructional Steel Research, 2014, 95, 56-70.	3.9	29
30	Shear capacity in concrete beams reinforced by stirrups with two different inclinations. Engineering Structures, 2014, 81, 444-453.	5.3	30
31	Effects of confinement level, cross-section shape and corner radius on the cyclic behavior of CFRCM confined concrete columns. Construction and Building Materials, 2014, 55, 379-389.	7.2	72
32	Design procedure for prestressed concrete beams. Computers and Concrete, 2014, 13, 235-253.	0.7	9
33	Analytical prediction of ultimate moment and curvature of RC rectangular sections in compression. Bulletin of Earthquake Engineering, 2013, 11, 2055-2078.	4.1	5
34	Experimental test results vs. analytical prediction of welded joint strength in hybrid steel trussed concrete beams (HSTCBs). European Journal of Environmental and Civil Engineering, 2013, 17, 742-759.	2.1	14
35	Stress-Strain Law for Confined Concrete with Hardening or Softening Behavior. Advances in Civil Engineering, 2013, 2013, 1-11.	0.7	11
36	An Analytical Step-by-Step Procedure to Derive the Flexural Response of RC Sections in Compression. Advances in Civil Engineering, 2013, 2013, 1-13.	0.7	3

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37	Generalization of shear truss model to the case of SFRC beams with stirrups. Computers and Concrete, 2012, 9, 227-244.	0.7	28
38	Simple Plastic Model for Shear Critical SFRC Beams. Journal of Structural Engineering, 2010, 136, 390-400.	3.4	36
39	Experimental Tests and FEM Model for SFRC Beams under Flexural and Shear Loads. AIP Conference Proceedings, 2008, , .	0.4	2
40	Shear Strength Prediction By Modified Plasticity Theory For SFRC Beams. AIP Conference Proceedings, 2008, , .	0.4	1
41	Ductility of Reinforced Concrete Members Externally Wrapped with Fiber-Reinforced Polymer Sheets. Journal of Composites for Construction, 2007, 11, 279-290.	3.2	23
42	A modal approach for the evaluation of the response sensitivity of structural systems subjected to non-stationary random processes. Computer Methods in Applied Mechanics and Engineering, 2005, 194, 4344-4361.	6.6	25
43	Combination of Modal Responses Consistent with Seismic Input Representation. Journal of Structural Engineering, 2004, 130, 47-55.	3.4	74
44	Non-geometric spectral moments for frequency varying filtered input processes. Probabilistic Engineering Mechanics, 2004, 19, 21-31.	2.7	7
45	BRACED FRAMES WITH HYSTERETIC DISSIPATIVE DEVICES: SEISMIC RESPONSE AND DESIGN CRITERIA. Journal of Earthquake Engineering, 1999, 3, 33-57.	2.5	0
46	A simplified analysis for the evaluation of stochastic response of elasto-plastic oscillators. Probabilistic Engineering Mechanics, 1999, 14, 269-280.	2.7	5
47	Title is missing!. Journal of Earthquake Engineering, 1999, 3, 33.	2.5	1
48	Hysteretic Behavior Characterization of Friction-Damped Braced Frames. Journal of Structural Engineering, 1997, 123, 1020-1028.	3.4	22
49	Stochastic linearization critically re-examined. Chaos, Solitons and Fractals, 1997, 8, 1957-1972.	5.1	21
50	Seismic response of braced frames with and without friction dampers. Engineering Structures, 1995, 17, 129-140.	5.3	21
51	Cyclic Behavior of Composite Truss Beam-to-RC Column Joints in MRFS. Key Engineering Materials, 0, 711, 681-689.	0.4	7