

Yu-Chen Ou

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.

53
papers

1,321
citations

18
h-index

36
g-index

57
ext. papers

1,620
ext. citations

3.2
avg. IF

4.81
L-index

#	Paper	IF	Citations
53	Stress Limit for Shear Reinforcement of High-Strength Columns. <i>ACI Structural Journal</i> , 2022 ,	1.7	1
52	Cyclic behavior of bridge columns with partially unbonded seven-wire steel strands to increase post-yield stiffness. <i>Engineering Structures</i> , 2022 , 258, 114112	4.7	0
51	Cyclic behavior of shear-critical concrete columns with unstressed steel strands as longitudinal reinforcement. <i>Engineering Structures</i> , 2022 , 264, 114465	4.7	
50	Expected maximum moment of multi-spiral columns. <i>Engineering Structures</i> , 2021 , 249, 113386	4.7	1
49	Shear strength of reinforced concrete columns with five-spiral reinforcement. <i>Engineering Structures</i> , 2021 , 233, 111929	4.7	3
48	Minimum Shear Reinforcement for Columns with High-Strength Reinforcement and Concrete. <i>Journal of Structural Engineering</i> , 2021 , 147, 04020313	3	3
47	Simplified Finite-Element Analysis Method for Axial Compression Behavior of Rectangular Concrete Columns with Interlocking Multispiral Reinforcements. <i>Journal of Structural Engineering</i> , 2020 , 146, 04019176	3.176	3
46	Collapse mechanism and risk management of wind turbine tower in strong wind. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019 , 193, 103962	3.7	13
45	Development of basic technique to improve seismic response accuracy of tributary area-based lumped-mass stick models. <i>Earthquake Engineering and Engineering Vibration</i> , 2019 , 18, 113-127	2	3
44	Capacity-Based Inelastic Displacement Spectra for Seismic Evaluation and Design of Reinforced Concrete Bridges 2019 , 329-350		
43	Cyclic behavior of squat reinforced concrete walls with openings typical of exterior walls of row houses in Taiwan. <i>Engineering Structures</i> , 2019 , 195, 231-242	4.7	6
42	Capacity-based inelastic displacement spectra for reinforced concrete bridge columns. <i>Earthquake Engineering and Structural Dynamics</i> , 2019 , 48, 1536-1555	4	1
41	Structural failure simulation of onshore wind turbines impacted by strong winds. <i>Engineering Structures</i> , 2018 , 162, 257-269	4.7	22
40	Pseudodynamic Testing and Inelastic Displacement Ratios of Self-Centering Precast Concrete Segmental Bridge Columns. <i>Journal of Structural Engineering</i> , 2018 , 144, 04018158	3	10
39	Cyclic Shear and Flexural Behavior of L- and T-Columns. <i>ACI Structural Journal</i> , 2018 , 115,	1.7	2
38	Cyclic behavior of reinforced concrete L- and T-columns retrofitted from rectangular columns. <i>Engineering Structures</i> , 2018 , 177, 147-159	4.7	7
37	A new smooth hysteretic model for ductile flexural-dominated reinforced concrete bridge columns. <i>Earthquake Engineering and Structural Dynamics</i> , 2017 , 46, 2237-2259	4	12

36	Anchorage performance of headed deformed bars in exterior beam-column joints under cyclic loading. <i>KSCE Journal of Civil Engineering</i> , 2017 , 21, 2837-2849	1.9	1
35	Bond-slip responses of stainless reinforcing bars in grouted ducts. <i>Engineering Structures</i> , 2017 , 141, 651-665	4.7	23
34	Interlaminar shear capacity of thermally damaged GFRP bars under alkaline concrete environment. <i>Construction and Building Materials</i> , 2017 , 152, 105-114	6.7	1
33	Discrete computational shear strength models for 5-, 6-, and 11-circular-hoop and spiral transverse reinforcement. <i>Advances in Structural Engineering</i> , 2016 , 19, 23-37	1.9	1
32	Tensile behavior of naturally and artificially corroded steel bars. <i>Construction and Building Materials</i> , 2016 , 103, 93-104	6.7	99
31	Comparative study of integral abutment bridge structural analysis methods. <i>Canadian Journal of Civil Engineering</i> , 2016 , 43, 378-389	1.3	4
30	Cyclic Loading Test of Unbonded and Bonded Posttensioned Precast Segmental Bridge Columns with Circular Section. <i>Journal of Bridge Engineering</i> , 2016 , 21, 04015043	2.7	59
29	Discrete Shear Strength of Two- and Seven-Circular-Hoop and Spiral Transverse Reinforcement. <i>ACI Structural Journal</i> , 2016 , 113,	1.7	1
28	Hysteretic Modeling of Unbonded Posttensioned Precast Segmental Bridge Columns with Circular Section Based on Cyclic Loading Test. <i>Journal of Bridge Engineering</i> , 2016 , 21, 04016016	2.7	16
27	Modified axial-shear-flexure interaction approaches for uncorroded and corroded reinforced concrete beams. <i>Engineering Structures</i> , 2016 , 128, 44-54	4.7	8
26	Influences of location of reinforcement corrosion on seismic performance of corroded reinforced concrete beams. <i>Engineering Structures</i> , 2016 , 126, 210-223	4.7	32
25	Simplified model and seismic response of integrated nuclear containment system based on frequency adaptive lumped-mass stick modeling approach. <i>KSCE Journal of Civil Engineering</i> , 2015 , 19, 1757-1766	1.9	11
24	A pushover seismic analysis method for asymmetric and tall buildings 2015 , 38, 991-1001		8
23	A Pushover Seismic Analysis and Retrofitting Method Applied to Low-Rise RC School Buildings. <i>Advances in Structural Engineering</i> , 2015 , 18, 311-324	1.9	9
22	Shear Behavior of Reinforced Concrete Columns with High-Strength Steel and Concrete. <i>ACI Structural Journal</i> , 2015 , 112,	1.7	21
21	Seismic Performance of Concrete Columns with Innovative Seven- and Eleven-Spiral Reinforcement. <i>ACI Structural Journal</i> , 2015 , 112,	1.7	10
20	Cyclic Behavior of Reinforced Concrete Beams with Corroded Transverse Steel Reinforcement. <i>Journal of Structural Engineering</i> , 2014 , 140, 04014050	3	35
19	Shear Behavior of Oblong Bridge Columns with Innovative Seven-Spiral Transverse Reinforcement. <i>ACI Structural Journal</i> , 2014 , 111,	1.7	11

18	Ground Motion Duration Effects on Hysteretic Behavior of Reinforced Concrete Bridge Columns. <i>Journal of Structural Engineering</i> , 2014 , 140, 04013065	3	34
17	Effect of yielding level and post-yielding stiffness ratio of ED bars on seismic performance of PT rocking bridge piers. <i>Engineering Structures</i> , 2014 , 81, 454-463	4.7	15
16	Plastic Hinge Length of Corroded Reinforced Concrete Beams. <i>ACI Structural Journal</i> , 2014 , 111,	1.7	17
15	Long-term seismic performance of reinforced concrete bridges under steel reinforcement corrosion due to chloride attack. <i>Earthquake Engineering and Structural Dynamics</i> , 2013 , 42, n/a-n/a	4	14
14	Emergency shelter capacity estimation by earthquake damage analysis. <i>Natural Hazards</i> , 2013 , 65, 2031-2061	3	20
13	Simplified Analytical Pushover Method for Precast Segmental Concrete Bridge Columns. <i>Advances in Structural Engineering</i> , 2013 , 16, 805-822	1.9	28
12	Behavior of oblong and rectangular bridge columns with conventional tie and multi-spiral transverse reinforcement under combined axial and flexural loads 2013 , 36, 980-993		12
11	An Emulative Precast Segmental Concrete Bridge Column for Seismic Regions. <i>Earthquake Spectra</i> , 2013 , 29, 1441-1457	3.4	24
10	Cyclic performance of large-scale corroded reinforced concrete beams. <i>Earthquake Engineering and Structural Dynamics</i> , 2012 , 41, 593-604	4	45
9	Compressive Behavior of Steel-Fiber-Reinforced Concrete with a High Reinforcing Index. <i>Journal of Materials in Civil Engineering</i> , 2012 , 24, 207-215	3	115
8	Large-Scale Experimental Study of Precast Segmental Unbonded Posttensioned Concrete Bridge Columns for Seismic Regions. <i>Journal of Structural Engineering</i> , 2010 , 136, 255-264	3	150
7	Characterization of a Roller Seismic Isolation Bearing with Supplemental Energy Dissipation for Highway Bridges. <i>Journal of Structural Engineering</i> , 2010 , 136, 502-510	3	44
6	Mechanical and low-cycle fatigue behavior of stainless reinforcing steel for earthquake engineering applications. <i>Earthquake Engineering and Engineering Vibration</i> , 2010 , 9, 449-457	2	6
5	Cyclic behavior of precast segmental concrete bridge columns with high performance or conventional steel reinforcing bars as energy dissipation bars. <i>Earthquake Engineering and Structural Dynamics</i> , 2010 , 39, 1181-1198	4	116
4	A parametric study of seismic behavior of roller seismic isolation bearings for highway bridges. <i>Earthquake Engineering and Structural Dynamics</i> , 2009 , 39, n/a-n/a	4	4
3	Large-scale seismic tests of tall concrete bridge columns with precast segmental construction. <i>Earthquake Engineering and Structural Dynamics</i> , 2008 , 37, 1449-1465	4	104
2	Seismic Performance of Segmental Precast Unbonded Posttensioned Concrete Bridge Columns. <i>Journal of Structural Engineering</i> , 2007 , 133, 1636-1647	3	132
1	Cyclic Performance of Precast Concrete Segmental Bridge Columns: Simplified Analytical and Finite Element Studies. <i>Transportation Research Record</i> , 2006 , 1976, 66-74	1.7	4

