

Jose L Bonet

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

802
citations

471371

17
h-index

501076

28
g-index

40
all docs

40
docs citations

40
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of high strength concrete-filled circular tubular columns under eccentric loading. <i>Journal of Constructional Steel Research</i> , 2011, 67, 623-633.	1.7	111
2	Experimental tests of slender reinforced concrete columns under combined axial load and lateral force. <i>Engineering Structures</i> , 2011, 33, 3676-3689.	2.6	59
3	Simulation and design recommendations of eccentrically loaded slender concrete-filled tubular columns. <i>Engineering Structures</i> , 2011, 33, 1576-1593.	2.6	50
4	Comparative study of analytical and numerical algorithms for designing reinforced concrete sections under biaxial bending. <i>Computers and Structures</i> , 2006, 84, 2184-2193.	2.4	47
5	Effects of concrete composition on transmission length of prestressing strands. <i>Construction and Building Materials</i> , 2012, 27, 350-356.	3.2	47
6	A fast stress integration algorithm for reinforced concrete sections with axial loads and biaxial bending. <i>Computers and Structures</i> , 2004, 82, 213-225.	2.4	42
7	Effective flexural stiffness of slender reinforced concrete columns under axial forces and biaxial bending. <i>Engineering Structures</i> , 2011, 33, 881-893.	2.6	41
8	Experimental research on high strength concrete slender columns subjected to compression and biaxial bending forces. <i>Engineering Structures</i> , 2008, 30, 1879-1894.	2.6	34
9	An experimental study of steel fiber-reinforced high-strength concrete slender columns under cyclic loading. <i>Engineering Structures</i> , 2013, 57, 565-577.	2.6	32
10	Behaviour of steel-fibre-reinforced normal-strength concrete slender columns under cyclic loading. <i>Engineering Structures</i> , 2012, 39, 162-175.	2.6	30
11	Ultimate capacity of rectangular concrete-filled steel tubular columns under unequal load eccentricities. <i>Journal of Constructional Steel Research</i> , 2012, 68, 107-117.	1.7	29
12	Ductility of slender reinforced concrete columns under monotonic flexure and constant axial load. <i>Engineering Structures</i> , 2012, 40, 398-412.	2.6	28
13	Analytical Approach to Failure Surfaces in Reinforced Concrete Sections Subjected to Axial Loads and Biaxial Bending. <i>Journal of Structural Engineering</i> , 2004, 130, 2006-2015.	1.7	24
14	Ni-Ti SMA bars behaviour under compression. <i>Construction and Building Materials</i> , 2017, 155, 348-362.	3.2	23
15	Cyclic behavior of hybrid RC columns using High-Performance Fiber-Reinforced Concrete and Ni-Ti SMA bars in critical regions. <i>Composite Structures</i> , 2019, 212, 207-219.	3.1	22
16	Experimental research on high strength concrete slender columns subjected to compression and uniaxial bending with unequal eccentricities at the ends. <i>Engineering Structures</i> , 2013, 48, 220-232.	2.6	19
17	Influence of Slenderness on High-Strength Rectangular Concrete-Filled Tubular Columns with Axial Load and Nonconstant Bending Moment. <i>Journal of Structural Engineering</i> , 2012, 138, 1436-1445.	1.7	18
18	Biaxial bending moment magnifier method. <i>Engineering Structures</i> , 2004, 26, 2007-2019.	2.6	15

#	ARTICLE	IF	CITATIONS
19	Experimental analysis of the shear strength of composite concrete beams without web reinforcement. Engineering Structures, 2021, 229, 111664.	2.6	13
20	Ductility of high-performance concrete and very-high-performance concrete elements with Ni-Ti reinforcements. Construction and Building Materials, 2018, 175, 531-551.	3.2	11
21	Mixed model for the analytical determination of critical buckling load of passive reinforcement in compressed RC and FRC elements under monotonic loading. Engineering Structures, 2017, 150, 76-90.	2.6	10
22	Improving the seismic behaviour of reinforced concrete moment resisting frames by means of SMA bars and ultra-high performance concrete. Engineering Structures, 2019, 197, 109409.	2.6	9
23	Cyclic response of precast column-to-foundation connection using UHPC and Ni Ti SMA reinforcements in columns. Engineering Structures, 2022, 252, 113624.	2.6	9
24	Experimental study of shear strength in continuous reinforced concrete beams with and without shear reinforcement. Engineering Structures, 2020, 220, 110967.	2.6	8
25	Design method for slender columns subjected to biaxial bending based on second-order eccentricity. Magazine of Concrete Research, 2007, 59, 3-19.	0.9	7
26	The influence of the weak axis on the behavior of high strength RC slender columns subjected to biaxial bending. Engineering Structures, 2009, 31, 487-497.	2.6	7
27	Buckling of steel and Ni-Ti reinforcements in very high performance concrete (VHPC) elements. Construction and Building Materials, 2018, 160, 551-563.	3.2	7
28	Behavior of RC slender columns under unequal eccentricities and skew angle loads at the ends. Engineering Structures, 2012, 40, 254-266.	2.6	6
29	Required tie spacing to prevent inelastic local buckling of longitudinal reinforcements in RC and FRC elements. Engineering Structures, 2018, 160, 328-341.	2.6	6
30	Influence of the plastic hinge rotations on shear strength in continuous reinforced concrete beams with shear reinforcement. Engineering Structures, 2020, 207, 110242.	2.6	6
31	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si161.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle m \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$ factor for non-uniform moment diagram in RC columns. Engineering Structures, 2009, 31, 1589-1599.	2.6	6
32	A simplified method to predict the ultimate shear stress of reinforced concrete membrane elements. Engineering Structures, 2013, 49, 329-344.	2.6	5
33	Experimental study on the shear strength of reinforced concrete composite T-shaped beams with web reinforcement. Engineering Structures, 2022, 255, 113921.	2.6	5
34	Cm-factor for RC slender columns under unequal eccentricities and skew angle loads at the ends. Engineering Structures, 2014, 71, 73-87.	2.6	4
35	Analysis of the shear strength mechanism of slender precast concrete beams with cast-in-place slab and web reinforcement. Engineering Structures, 2021, 246, 113043.	2.6	4
36	Inelastic Effective Length Factor of Nonsway Reinforced Concrete Columns. Journal of Structural Engineering, 2009, 135, 1034-1039.	1.7	3

#	ARTICLE	IF	CITATIONS
37	Experimental analysis of longitudinal shear between the web and flanges of T-beams made of fibre-reinforced concrete. <i>Engineering Structures</i> , 2019, 196, 109280.	2.6	3
38	Slenderness limit of the weak axis in the design of rectangular reinforced concrete non-sway columns. <i>Engineering Structures</i> , 2011, 33, 1157-1165.	2.6	2
39	Behaviour of retrofited precast UHPC and Ni-Ti SMA column-to-foundation connection with CFRP wrapping layers. <i>Construction and Building Materials</i> , 2022, 323, 126536.	3.2	1
40	Capacity of RC rectangular sections subjected to biaxial bending: simplification to an increased uniaxial bending moment. <i>Magazine of Concrete Research</i> , 2005, 57, 469-483.	0.9	0