

Filip C Filippou

List of Publications by Year in descending order

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38
papers

1,996
citations

257429

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377849

34
g-index

38
all docs

38
docs citations

38
times ranked

1147
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Nonlinear Frame Finite-Element Models. Journal of Structural Engineering, 1997, 123, 958-966.	3.4	356
2	Model for Cyclic Inelastic Buckling of Steel Braces. Journal of Structural Engineering, 2008, 134, 619-628.	3.4	244
3	Mixed Formulation of Nonlinear Steel-Concrete Composite Beam Element. Journal of Structural Engineering, 2000, 126, 371-381.	3.4	182
4	Geometrically Nonlinear Flexibility-Based Frame Finite Element. Journal of Structural Engineering, 1998, 124, 704-711.	3.4	161
5	Modeling of R/C Joints under Cyclic Excitations. Journal of Structural Engineering, 1983, 109, 2666-2684.	3.4	111
6	Simulation of the shaking table test of a seven-story shear wall building. Earthquake Engineering and Structural Dynamics, 2009, 38, 587-607.	4.4	83
7	A 3D numerical model for reinforced and prestressed concrete elements subjected to combined axial, bending, shear and torsion loading. Engineering Structures, 2007, 29, 3404-3419.	5.3	69
8	Finite Element for Anchored Bars under Cyclic Load Reversals. Journal of Structural Engineering, 1997, 123, 614-623.	3.4	67
9	Section Discretization of Fiber Beam-Column Elements for Cyclic Inelastic Response. Journal of Structural Engineering, 2012, 138, 592-601.	3.4	63
10	Modeling of Cyclic Shear Behavior in RC Members. Journal of Structural Engineering, 1999, 125, 1143-1150.	3.4	57
11	Response Sensitivity for Nonlinear Beam-Column Elements. Journal of Structural Engineering, 2004, 130, 1281-1288.	3.4	56
12	Software Patterns for Nonlinear Beam-Column Models. Journal of Structural Engineering, 2008, 134, 562-571.	3.4	50
13	Inelastic axial-flexure-shear coupling in a mixed formulation beam finite element. International Journal of Non-Linear Mechanics, 2009, 44, 913-922.	2.6	48
14	Mixed Formulation of Bond-Slip Problems under Cyclic Loads. Journal of Structural Engineering, 1999, 125, 661-671.	3.4	47
15	Non-linear spatial Timoshenko beam element with curvature interpolation. International Journal for Numerical Methods in Engineering, 2001, 50, 761-785.	2.8	41
16	Numerical integration of a class of 3d plastic-damage concrete models and condensation of 3d stress-strain relations for use in beam finite elements. Engineering Structures, 2009, 31, 2327-2336.	5.3	39
17	Constitutive Model for 3D Cyclic Analysis of Concrete Structures. Journal of Engineering Mechanics - ASCE, 1997, 123, 143-153.	2.9	38
18	A damage model for structures with degrading response. Earthquake Engineering and Structural Dynamics, 2018, 47, 311-332.	4.4	31

#	ARTICLE	IF	CITATIONS
19	A Simple Model for Reinforcing Bar Anchorages Under Cyclic Excitations. Journal of Structural Engineering, 1986, 112, 1639-1659.	3.4	27
20	Finite-Element Model for Pretensioned Prestressed Concrete Girders. Journal of Structural Engineering, 2010, 136, 401-409.	3.4	27
21	Generalized Warping Torsion Formulation. Journal of Engineering Mechanics - ASCE, 1998, 124, 339-347.	2.9	26
22	Efficient Beam-Column Element with Variable Inelastic End Zones. Journal of Structural Engineering, 2009, 135, 1310-1319.	3.4	26
23	Mixed 3D Beam Element with Damage Plasticity for the Analysis of RC Members under Warping Torsion. Journal of Structural Engineering, 2018, 144, .	3.4	26
24	Response Gradients for Nonlinear Beam-Column Elements under Large Displacements. Journal of Structural Engineering, 2007, 133, 155-165.	3.4	25
25	Correlation studies on an RC frame shaking-table specimen. Earthquake Engineering and Structural Dynamics, 1997, 26, 1021-1040.	4.4	19
26	Frame Element for Metallic Shear-Yielding Members under Cyclic Loading. Journal of Structural Engineering, 2009, 135, 1115-1123.	3.4	18
27	Analytical Studies of Hysteretic Behavior of R/C Joints. Journal of Structural Engineering, 1986, 112, 1605-1622.	3.4	15
28	Generalized plasticity model for inelastic RCFT column response. Computers and Structures, 2016, 168, 56-67.	4.4	15
29	Analysis of RC walls with a mixed formulation frame finite element. Computers and Concrete, 2013, 12, 519-536.	0.7	11
30	Frame Element with Mixed Formulations for Composite and RC Members with Bond Slip. I: Theory and Fixed-End Rotation. Journal of Structural Engineering, 2015, 141, 04015039.	3.4	6
31	An Efficient Beam-Column Element for Inelastic 3D Frame Analysis. Computational Methods in Applied Sciences (Springer), 2013, , 49-67.	0.3	5
32	Discussion of "Reinforced Concrete Frame Element with Bond Interfaces. II: State Determinations and Numerical Validation" by Suchart Limkatanyu and Enrico Spacone. Journal of Structural Engineering, 2003, 129, 1428-1429.	3.4	3
33	Correlation studies on an RC frame shaking-table specimen. Earthquake Engineering and Structural Dynamics, 1997, 26, 1021-1040.	4.4	2
34	Frame Element with Mixed Formulations for Composite and RC Members with Bond Slip. II: Correlation Studies. Journal of Structural Engineering, 2015, 141, 04015040.	3.4	1
35	Deterioration Modeling of Steel Columns under Variable Axial Forces. , 2018, , .		1
36	Evaluation of Mixed Formulation for Modelling RC Columns with Bond Slip. Applied Mechanics and Materials, 2014, 553, 470-475.	0.2	0

#	ARTICLE	IF	CITATIONS
37	A Damage Model for the Simulation and Assessment of Structures with Degrading Element Behavior. , 2017, , .		0
38	Demandâ€oriented performance assessment using models of different degree of complexity. Earthquake Engineering and Structural Dynamics, 2022, 51, 998-1014.	4.4	0