

# Filip C Filippou

## List of Publications by Citations

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36  
papers

1,663  
citations

21  
h-index

38  
g-index

38  
ext. papers

1,796  
ext. citations

3  
avg, IF

4.72  
L-index

#	Paper	IF	Citations
36	Evaluation of Nonlinear Frame Finite-Element Models. <i>Journal of Structural Engineering</i> , <b>1997</b> , 123, 958-966	3	299
35	Model for Cyclic Inelastic Buckling of Steel Braces. <i>Journal of Structural Engineering</i> , <b>2008</b> , 134, 619-628	3	198
34	Mixed Formulation of Nonlinear Steel-Concrete Composite Beam Element. <i>Journal of Structural Engineering</i> , <b>2000</b> , 126, 371-381	3	155
33	Geometrically Nonlinear Flexibility-Based Frame Finite Element. <i>Journal of Structural Engineering</i> , <b>1998</b> , 124, 704-711	3	138
32	Modeling of R/C Joints under Cyclic Excitations. <i>Journal of Structural Engineering</i> , <b>1983</b> , 109, 2666-2684	3	90
31	Simulation of the shaking table test of a seven-story shear wall building. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2009</b> , 38, 587-607	4	66
30	A 3D numerical model for reinforced and prestressed concrete elements subjected to combined axial, bending, shear and torsion loading. <i>Engineering Structures</i> , <b>2007</b> , 29, 3404-3419	4.7	62
29	Finite Element for Anchored Bars under Cyclic Load Reversals. <i>Journal of Structural Engineering</i> , <b>1997</b> , 123, 614-623	3	58
28	Response Sensitivity for Nonlinear Beam-Column Elements. <i>Journal of Structural Engineering</i> , <b>2004</b> , 130, 1281-1288	3	50
27	Modeling of Cyclic Shear Behavior in RC Members. <i>Journal of Structural Engineering</i> , <b>1999</b> , 125, 1143-1150	3	50
26	Section Discretization of Fiber Beam-Column Elements for Cyclic Inelastic Response. <i>Journal of Structural Engineering</i> , <b>2012</b> , 138, 592-601	3	48
25	Inelastic axial-flexure-shear coupling in a mixed formulation beam finite element. <i>International Journal of Non-Linear Mechanics</i> , <b>2009</b> , 44, 913-922	2.8	42
24	Software Patterns for Nonlinear Beam-Column Models. <i>Journal of Structural Engineering</i> , <b>2008</b> , 134, 562-571	3	41
23	Mixed Formulation of Bond-Slip Problems under Cyclic Loads. <i>Journal of Structural Engineering</i> , <b>1999</b> , 125, 661-671	3	40
22	Non-linear spatial Timoshenko beam element with curvature interpolation. <i>International Journal for Numerical Methods in Engineering</i> , <b>2001</b> , 50, 761-785	2.4	37
21	Constitutive Model for 3D Cyclic Analysis of Concrete Structures. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1997</b> , 123, 143-153	2.4	35
20	Numerical integration of a class of 3d plastic-damage concrete models and condensation of 3d stress-strain relations for use in beam finite elements. <i>Engineering Structures</i> , <b>2009</b> , 31, 2327-2336	4.7	32

19	Generalized Warping Torsion Formulation. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1998</b> , 124, 339-347	2.4	24
18	A damage model for structures with degrading response. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2018</b> , 47, 311-332	4	23
17	Response Gradients for Nonlinear Beam-Column Elements under Large Displacements. <i>Journal of Structural Engineering</i> , <b>2007</b> , 133, 155-165	3	22
16	Finite-Element Model for Pretensioned Prestressed Concrete Girders. <i>Journal of Structural Engineering</i> , <b>2010</b> , 136, 401-409	3	21
15	Efficient Beam-Column Element with Variable Inelastic End Zones. <i>Journal of Structural Engineering</i> , <b>2009</b> , 135, 1310-1319	3	21
14	Frame Element for Metallic Shear-Yielding Members under Cyclic Loading. <i>Journal of Structural Engineering</i> , <b>2009</b> , 135, 1115-1123	3	17
13	A Simple Model for Reinforcing Bar Anchorages Under Cyclic Excitations. <i>Journal of Structural Engineering</i> , <b>1986</b> , 112, 1639-1659	3	17
12	Correlation studies on an RC frame shaking-table specimen. <i>Earthquake Engineering and Structural Dynamics</i> , <b>1997</b> , 26, 1021-1040	4	16
11	Mixed 3D Beam Element with Damage Plasticity for the Analysis of RC Members under Warping Torsion. <i>Journal of Structural Engineering</i> , <b>2018</b> , 144, 04018064	3	15
10	Analytical Studies of Hysteretic Behavior of R/C Joints. <i>Journal of Structural Engineering</i> , <b>1986</b> , 112, 1605-1622	13	13
9	Generalized plasticity model for inelastic RCFT column response. <i>Computers and Structures</i> , <b>2016</b> , 168, 56-67	4.5	10
8	Analysis of RC walls with a mixed formulation frame finite element. <i>Computers and Concrete</i> , <b>2013</b> , 12, 519-536		7
7	Frame Element with Mixed Formulations for Composite and RC Members with Bond Slip. I: Theory and Fixed-End Rotation. <i>Journal of Structural Engineering</i> , <b>2015</b> , 141, 04015039	3	5
6	An Efficient Beam-Column Element for Inelastic 3D Frame Analysis. <i>Computational Methods in Applied Sciences (Springer)</i> , <b>2013</b> , 49-67	0.4	4
5	Discussion of Reinforced Concrete Frame Element with Bond Interfaces. II: State Determinations and Numerical Validation by Suchart Limkatanyu and Enrico Spacone. <i>Journal of Structural Engineering</i> , <b>2003</b> , 129, 1428-1429	3	3
4	Correlation studies on an RC frame shaking-table specimen <b>1997</b> , 26, 1021		2
3	Deterioration Modeling of Steel Columns under Variable Axial Forces <b>2018</b> ,		1
2	Frame Element with Mixed Formulations for Composite and RC Members with Bond Slip. II: Correlation Studies. <i>Journal of Structural Engineering</i> , <b>2015</b> , 141, 04015040	3	1

- 1 Evaluation of Mixed Formulation for Modelling RC Columns with Bond Slip. *Applied Mechanics and Materials*, **2014**, 553, 470-475

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