

# Chung-Che Chou

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

2,235  
citations

218677

26  
h-index

214800

47  
g-index

51  
all docs

51  
docs citations

51  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	One-sided shear retrofit of reinforced concrete beams in existing high-rise buildings. <i>Engineering Structures</i> , 2022, 252, 113634.	5.3	2
2	High-strength steel deep H-shaped and box columns under proposed near-fault and post-earthquake loadings. <i>Thin-Walled Structures</i> , 2022, 172, 108892.	5.3	7
3	Cyclic flexural test and loading protocol for steel wind turbine tower columns. <i>Thin-Walled Structures</i> , 2021, 166, 108093.	5.3	3
4	Mechanics, modeling and seismic behavior of a dual-core self-centering brace in series with a frictional gusset connection. <i>Engineering Structures</i> , 2021, 247, 113018.	5.3	5
5	Lateral cyclic testing and backbone curve development of high-strength steel built-up box columns under axial compression. <i>Engineering Structures</i> , 2020, 223, 111147.	5.3	9
6	Strong-axis instability of sandwiched buckling restrained braces in a two-story steel X-BRBF: Seismic tests and finite element analyses. <i>Thin-Walled Structures</i> , 2020, 157, 107011.	5.3	8
7	A novel steel lever viscoelastic wall with amplified damper force-friction for wind and seismic resistance. <i>Engineering Structures</i> , 2020, 210, 110362.	5.3	13
8	Test of a Full-Scale Two-Story Steel X-BRBF: Strong-Axis Instability of Buckling Restrained Brace Associated with Out-of-Plane Bending of Gusset Connections. <i>Lecture Notes in Civil Engineering</i> , 2020, , 375-380.	0.4	1
9	Seismic loading tests of full-scale two-story steel building frames with self-centering braces and buckling-restrained braces. <i>Thin-Walled Structures</i> , 2019, 140, 168-181.	5.3	28
10	Cyclic lateral load test and finite element analysis of high-strength concrete-filled steel box columns under high axial compression. <i>Engineering Structures</i> , 2019, 189, 89-99.	5.3	24
11	Development and validation of a FRP-wrapped spiral corrugated tube for seismic performance of circular concrete columns. <i>Construction and Building Materials</i> , 2018, 170, 498-511.	7.2	15
12	Gusset design considering buckling forces in frame and brace action directions: Test and finite element analysis of a self-centering braced frame for verification. <i>Engineering Structures</i> , 2018, 173, 643-655.	5.3	5
13	Development and validation tests of a dual-core self-centering sandwiched buckling-restrained brace (SC-SBRB) for seismic resistance. <i>Engineering Structures</i> , 2016, 121, 30-41.	5.3	80
14	Validation of a steel dual-core self-centering brace (DC-SCB) for seismic resistance: from brace member to one-story one-bay braced frame tests. <i>Frontiers of Structural and Civil Engineering</i> , 2016, 10, 303-311.	2.9	10
15	Seismic design and tests of a full-scale one-story one-bay steel frame with a dual-core self-centering brace. <i>Engineering Structures</i> , 2016, 111, 435-450.	5.3	65
16	Experimental evaluation of large-scale dual-core self-centering braces and sandwiched buckling-restrained braces. <i>Engineering Structures</i> , 2016, 116, 12-25.	5.3	54
17	Development of Steel Dual-Core Self-Centering Braces: Quasi-Static Cyclic Tests and Finite Element Analyses. <i>Earthquake Spectra</i> , 2015, 31, 247-272.	3.1	54
18	Steel braced frames with dual-core SCBs and sandwiched BRBs: Mechanics, modeling and seismic demands. <i>Engineering Structures</i> , 2014, 72, 26-40.	5.3	92

#	ARTICLE	IF	CITATIONS
19	Development of cross-anchored dual-core self-centering braces for seismic resistance. Journal of Constructional Steel Research, 2014, 101, 19-32.	3.9	90
20	Push-off strength of steel girder to fiber-reinforced polymer deck connections. Journal of Constructional Steel Research, 2013, 81, 138-148.	3.9	3
21	Internal flange stiffened moment connections with low-damage capability under seismic loading. Journal of Constructional Steel Research, 2013, 87, 38-47.	3.9	3
22	Two-plastic-hinge and two dimensional finite element models for post-tensioned precast concrete segmental bridge columns. Engineering Structures, 2013, 46, 205-217.	5.3	74
23	Frame and Brace Action Forces on Steel Corner Gusset Plate Connections in Buckling-Restrained Braced Frames. Earthquake Spectra, 2012, 28, 531-551.	3.1	26
24	Compressive behavior of dual-gusset-plate connections for buckling-restrained braced frames. Journal of Constructional Steel Research, 2012, 76, 54-67.	3.9	18
25	Steel buckling-restrained braced frames with single and dual corner gusset connections: seismic tests and analyses. Earthquake Engineering and Structural Dynamics, 2012, 41, 1137-1156.	4.4	80
26	Analytical model validation and influence of column bases for seismic responses of steel post-tensioned self-centering MRF systems. Engineering Structures, 2011, 33, 2628-2643.	5.3	49
27	Development of floor slab for steel post-tensioned self-centering moment frames. Journal of Constructional Steel Research, 2011, 67, 1621-1635.	3.9	67
28	Seismic tests of post-tensioned self-centering building frames with column and slab restraints. Frontiers of Architecture and Civil Engineering in China, 2011, 5, 323-334.	0.4	7
29	Seismic design and shake table tests of a steel post-tensioned self-centering moment frame with a slab accommodating frame expansion. Earthquake Engineering and Structural Dynamics, 2011, 40, 1241-1261.	4.4	83
30	Seismic rehabilitation performance of steel side plate moment connections. Earthquake Engineering and Structural Dynamics, 2010, 39, 23-44.	4.4	14
31	Column restraint in post-tensioned self-centering moment frames. Earthquake Engineering and Structural Dynamics, 2010, 39, 751-774.	4.4	12
32	Tests and analyses of a full-scale post-tensioned RCS frame subassembly. Journal of Constructional Steel Research, 2010, 66, 1354-1365.	3.9	46
33	Subassemblage tests and finite element analyses of sandwiched buckling-restrained braces. Engineering Structures, 2010, 32, 2108-2121.	5.3	247
34	Seismic Rehabilitation of Welded Steel Beam-to-Box Column Connections Utilizing Internal Flange Stiffeners. Earthquake Spectra, 2010, 26, 927-950.	3.1	10
35	Self-centering steel connections with steel bars and a discontinuous composite slab. Earthquake Engineering and Structural Dynamics, 2009, 38, 403-422.	4.4	55
36	Seismic performance evaluation of a 34-story steel building retrofitted with response modification elements. Earthquake Engineering and Structural Dynamics, 2009, 38, 759-781.	4.4	8

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37	Compressive behavior of central gusset plate connections for a buckling-restrained braced frame. Journal of Constructional Steel Research, 2009, 65, 1138-1148.	3.9	36
38	Post-tensioned self-centering moment connections with beam bottom flange energy dissipators. Journal of Constructional Steel Research, 2009, 65, 1931-1941.	3.9	65
39	Seismic self-centering steel beam-column moment connections using bolted friction devices. Earthquake Engineering and Structural Dynamics, 2008, 37, 627-645.	4.4	116
40	Hysteretic model development and seismic response of unbonded post-tensioned precast CFT segmental bridge columns. Earthquake Engineering and Structural Dynamics, 2008, 37, 919-934.	4.4	46
41	Seismic design and behavior of post-tensioned steel connections including effects of a composite slab. Engineering Structures, 2008, 30, 3014-3023.	5.3	43
42	Effects of Continuity Plate and Transverse Reinforcement on Cyclic Behavior of SRC Moment Connections. Journal of Structural Engineering, 2007, 133, 96-104.	3.4	21
43	Performance evaluation of steel reduced flange plate moment connections. Earthquake Engineering and Structural Dynamics, 2007, 36, 2083-2097.	4.4	52
44	Hysteretic Model Development and Seismic Response of Unbonded Post-Tensioned Precast CFT Segmental Bridge Columns. IABSE Symposium Report, 2007, , .	0.0	0
45	Cyclic tests of post-tensioned precast CFT segmental bridge columns with unbonded strands. Earthquake Engineering and Structural Dynamics, 2006, 35, 159-175.	4.4	191
46	Evaluating performance of post-tensioned steel connections with strands and reduced flange plates. Earthquake Engineering and Structural Dynamics, 2006, 35, 1167-1185.	4.4	89
47	Performance evaluation of shear links and orthotropic bridge deck panels for the new San Francisco-Oakland Bay Bridge. Earthquake Engineering and Structural Dynamics, 2005, 34, 393-408.	4.4	8
48	A procedure for evaluating seismic energy demand of framed structures. Earthquake Engineering and Structural Dynamics, 2003, 32, 229-244.	4.4	90
49	Plasticity-fibre model for steel triangular plate energy dissipating devices. Earthquake Engineering and Structural Dynamics, 2002, 31, 1643-1655.	4.4	6
50	Cyclic performance of a type of steel beam to steel-encased reinforced concrete column moment connection. Journal of Constructional Steel Research, 2002, 58, 637-663.	3.9	38
51	Establishing absorbed energy spectra?an attenuation approach. Earthquake Engineering and Structural Dynamics, 2000, 29, 1441-1455.	4.4	67