# Chung-Che Chou

List of Publications by Year
in descending order

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| | | 218677 | 214800 |
|---|---|---|---|
| 51 | 2,235 | 26 | 47 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 51 | 51 | 51 | 815 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Subassemblage tests and finite element analyses of sandwiched buckling-restrained braces. Engineering Structures, 2010, 32, 2108-2121. | 5.3 | 247 |
| 2 | 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 |
| 3 | Seismic selfâ€centering steel beamâ€toâ€column moment connections using bolted friction devices. Earthquake Engineering and Structural Dynamics, 2008, 37, 627-645. | 4.4 | 116 |
| 4 | Steel braced frames with dual-core SCBs and sandwiched BRBs: Mechanics, modeling and seismic demands. Engineering Structures, 2014, 72, 26-40. | 5.3 | 92 |
| 5 | A procedure for evaluating seismic energy demand of framed structures. Earthquake Engineering and Structural Dynamics, 2003, 32, 229-244. | 4.4 | 90 |
| 6 | Development of cross-anchored dual-core self-centering braces for seismic resistance. Journal of Constructional Steel Research, 2014, 101, 19-32. | 3.9 | 90 |
| 7 | 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 |
| 8 | 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 |
| 9 | Steel bucklingâ€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 |
| 10 | Development and validation tests of a dual-core self-centering sandwiched buckling-restrained brace (SC-SBRB) for seismic resistance. Engineering Structures, 2016, 121, 30-41. | 5.3 | 80 |
| 11 | 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 |
| 12 | Establishing absorbed energy spectra?an attenuation approach. Earthquake Engineering and Structural Dynamics, 2000, 29, 1441-1455. | 4.4 | 67 |
| 13 | Development of floor slab for steel post-tensioned self-centering moment frames. Journal of Constructional Steel Research, 2011, 67, 1621-1635. | 3.9 | 67 |
| 14 | Post-tensioned self-centering moment connections with beam bottom flange energy dissipators. Journal of Constructional Steel Research, 2009, 65, 1931-1941. | 3.9 | 65 |
| 15 | Seismic design and tests of a full-scale one-story one-bay steel frame with a dual-core self-centering brace. Engineering Structures, 2016, 111, 435-450. | 5.3 | 65 |
| 16 | Selfâ€centering steel connections with steel bars and a discontinuous composite slab. Earthquake Engineering and Structural Dynamics, 2009, 38, 403-422. | 4.4 | 55 |
| 17 | Development of Steel Dual-Core Self-Centering Braces: Quasi-Static Cyclic Tests and Finite Element Analyses. Earthquake Spectra, 2015, 31, 247-272. | 3.1 | 54 |
| 18 | Experimental evaluation of large-scale dual-core self-centering braces and sandwiched buckling-restrained braces. Engineering Structures, 2016, 116, 12-25. | 5.3 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Performance evaluation of steel reduced flange plate moment connections. Earthquake Engineering and Structural Dynamics, 2007, 36, 2083-2097. | 4.4 | 52 |
| 20 | 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 |
| 21 | Hysteretic model development and seismic response of unbonded postâ€tensioned precast CFT segmental bridge columns. Earthquake Engineering and Structural Dynamics, 2008, 37, 919-934. | 4.4 | 46 |
| 22 | Tests and analyses of a full-scale post-tensioned RCS frame subassembly. Journal of Constructional Steel Research, 2010, 66, 1354-1365. | 3.9 | 46 |
| 23 | Seismic design and behavior of post-tensioned steel connections including effects of a composite slab. Engineering Structures, 2008, 30, 3014-3023. | 5.3 | 43 |
| 24 | 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 |
| 25 | 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 |
| 26 | Seismic loading tests of full-scale two-story steel building frames with self-centering braces and buckling-restrained braces. Thin-Walled Structures, 2019, 140, 168-181. | 5.3 | 28 |
| 27 | 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 |
| 28 | Cyclic lateral load test and finite element analysis of high-strength concrete-filled steel box columns under high axial compression. Engineering Structures, 2019, 189, 89-99. | 5.3 | 24 |
| 29 | 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 |
| 30 | Compressive behavior of dual-gusset-plate connections for buckling-restrained braced frames. Journal of Constructional Steel Research, 2012, 76, 54-67. | 3.9 | 18 |
| 31 | Development and validation of a FRP-wrapped spiral corrugated tube for seismic performance of circular concrete columns. Construction and Building Materials, 2018, 170, 498-511. | 7.2 | 15 |
| 32 | Seismic rehabilitation performance of steel side plate moment connections. Earthquake Engineering and Structural Dynamics, 2010, 39, 23-44. | 4.4 | 14 |
| 33 | A novel steel lever viscoelastic wall with amplified damper force-friction for wind and seismic resistance. Engineering Structures, 2020, 210, 110362. | 5.3 | 13 |
| 34 | Column restraint in postâ€tensioned selfâ€centering moment frames. Earthquake Engineering and Structural Dynamics, 2010, 39, 751-774. | 4.4 | 12 |
| 35 | Seismic Rehabilitation of Welded Steel Beam-to-Box Column Connections Utilizing Internal Flange Stiffeners. Earthquake Spectra, 2010, 26, 927-950. | 3.1 | 10 |
| 36 | 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. Frontiers of Structural and Civil Engineering, 2016, 10, 303-311. | 2.9 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Lateral cyclic testing and backbone curve development of high-strength steel built-up box columns under axial compression. Engineering Structures, 2020, 223, 111147. | 5.3 | 9 |
| 38 | 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 |
| 39 | Seismic performance evaluation of a 34â€story steel building retrofitted with response modification elements. Earthquake Engineering and Structural Dynamics, 2009, 38, 759-781. | 4.4 | 8 |
| 40 | Strong-axis instability of sandwiched buckling restrained braces in a two-story steel X-BRBF: Seismic tests and finite element analyses. Thin-Walled Structures, 2020, 157, 107011. | 5.3 | 8 |
| 41 | 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 |
| 42 | High-strength steel deep H-shaped and box columns under proposed near-fault and post-earthquake loadings. Thin-Walled Structures, 2022, 172, 108892. | 5.3 | 7 |
| 43 | Plasticity-fibre model for steel triangular plate energy dissipating devices. Earthquake Engineering and Structural Dynamics, 2002, 31, 1643-1655. | 4.4 | 6 |
| 44 | Gusset design considering buckling forces in frame and brace action directions: Test and finite element analysis of a self-centering braced frame for verification. Engineering Structures, 2018, 173, 643-655. | 5.3 | 5 |
| 45 | Mechanics, modeling and seismic behavior of a dual-core self-centering brace in series with a frictional gusset connection. Engineering Structures, 2021, 247, 113018. | 5.3 | 5 |
| 46 | Push-off strength of steel girder to fiber-reinforced polymer deck connections. Journal of Constructional Steel Research, 2013, 81, 138-148. | 3.9 | 3 |
| 47 | Internal flange stiffened moment connections with low-damage capability under seismic loading. Journal of Constructional Steel Research, 2013, 87, 38-47. | 3.9 | 3 |
| 48 | Cyclic flexural test and loading protocol for steel wind turbine tower columns. Thin-Walled Structures, 2021, 166, 108093. | 5.3 | 3 |
| 49 | One-sided shear retrofit of reinforced concrete beams in existing high-rise buildings. Engineering Structures, 2022, 252, 113634. | 5.3 | 2 |
| 50 | 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. Lecture Notes in Civil Engineering, 2020, , 375-380. | 0.4 | 1 |
| 51 | Hysteretic Model Development and Seismic Response of Unbonded Post-Tensioned Precast CFT Segmental Bridge Columns. IABSE Symposium Report, 2007, , . | 0.0 | 0 |