Robert Driver

List of Publications by Year
in descending order

44 papers	1,167 citations	430442 18 h-index	395343 33 g-index
44 all docs	44 docs citations	44 times ranked	519 citing authors

#	Article	IF	Citations
1	Shear Behavior of Corrugated Web Bridge Girders. Journal of Structural Engineering, 2006, 132, 195-203.	1.7	221
2	Behavior of Corrugated Web I-Girders under In-Plane Loads. Journal of Engineering Mechanics - ASCE, 2006, 132, 806-814.	1.6	102
3	Analysis of Flange Transverse Bending of Corrugated Web I-Girders under In-Plane Loads. Journal of Structural Engineering, 2007, 133, 347-355.	1.7	91
4	Simplified analysis of flange transverse bending of corrugated web I-girders under in-plane moment and shear. Engineering Structures, 2007, 29, 2816-2824.	2.6	62
5	Nonlinear seismic analysis of perforated steel plate shear walls. Journal of Constructional Steel Research, 2014, 94, 103-113.	1.7	62
6	Analysis of Steel Plate Shear Walls Using the Modified Strip Model. Journal of Structural Engineering, 2009, 135, 1357-1366.	1.7	60
7	Behaviour of partially encased composite columns with high strength concrete. Engineering Structures, 2013, 56, 1718-1727.	2.6	55
8	Seismic analysis of steel plate shear walls considering strain rate and â€“delta effects. Journal of Constructional Steel Research, 2009, 65, 1149-1159.	1.7	47
9	Finite-Element Modeling of Partially Encased Composite Columns Using the Dynamic Explicit Method. Journal of Structural Engineering, 2007, 133, 326-334.	1.7	41
10	Unified block shear equation for achieving consistent reliability. Journal of Constructional Steel Research, 2006, 62, 210-222.	1.7	40
11	Fatigue Life of Girders with Trapezoidal Corrugated Webs. Journal of Structural Engineering, 2006, 132, 1070-1078.	1.7	38
12	Behavior of Steel Shear Connections under Column-Removal Demands. Journal of Structural Engineering, 2015, 141, .	1.7	35
13	Experimental investigation of block shear failure in coped steel beams. Canadian Journal of Civil Engineering, 2003, 30, 871-881.	0.7	28
14	Characterization of fatigue properties of ASTM A709 high performance steel. Journal of Constructional Steel Research, 2007, 63, 838-848.	1.7	26
15	Economical Steel Plate Shear Walls for Low-Seismic Regions. Journal of Structural Engineering, 2013, 139, 379-388.	1.7	24
16	Estimating fundamental periods of steel plate shear walls. Engineering Structures, 2011, 33, 1883-1893.	2.6	22
17	Tension and shear block failure of bolted gusset plates. Canadian Journal of Civil Engineering, 2006, 33, 395-408.	0.7	21
18	Performance assessment of steel plate shear walls under accidental blast loads. Journal of Constructional Steel Research, 2015, 106, 44-56.	1.7	20

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19	Behaviour of shear tab connections in column removal scenario. Journal of Constructional Steel Research, 2017, 138, 580-593.	1.7	18
20	Effects of connection geometry on block shear failure of welded lap plate connections. Journal of Constructional Steel Research, 2011, 67, 525-532.	1.7	17
21	Performance of Steel Shear Connections under Combined Moment, Shear, and Tension. , 2012, , .		16
22	Reliability Analysis of Block Shear Capacity of Coped Steel Beams. Journal of Structural Engineering, 2004, 130, 1904-1913.	1.7	13
23	Application of Indirect Capacity Design Principles for Seismic Design of Steel-Plate Shear Walls. Journal of Structural Engineering, 2011, 137, 521-530.	1.7	10
24	Discussion of â€œ Postbuckling Behavior of Steelâ€Plate Shear Walls under Cyclic Loads â€•by M. Elgaaly, V. Caccese, and C. Du (February, 1993, Vol. 119, No. 2). Journal of Structural Engineering, 1994, 120, 2250-2251.	1.7	9
25	Innovative High Performance Steel Bridge Girders. , 2001, , 1.		9
26	Column demands in steel plate shear walls with regular perforations using performance-based design methods. Journal of Constructional Steel Research, 2014, 103, 13-22.	1.7	9
27	Generalized Component-Based Model for Shear Tab Connections. Journal of Structural Engineering, 2014, 140, .	1.7	8
28	Performance of Type D and Type LD steel plate walls. Canadian Journal of Civil Engineering, 2010, 37, 88-98.	0.7	7
29	Full-Scale Tests on Shear Connections of Composite Beams Under a Column Removal Scenario. , 2014, , .		7
30	Beam Design Force Demands in Steel Plate Shear Walls with Simple Boundary Frame Connections. Journal of Structural Engineering, 2014, 140, 04014046.	1.7	6
31	Full-scale Tests of Stabilized and Unstabilized Extended Single-plate Connections. Structures, 2017, 10, 49-58.	1.7	6
32	Behavior of Shear Tab Connections under Column Removal Scenario. , 2011, , .		5
33	Performance-Based Capacity Design of Steel Plate Shear Walls. I: Development Principles. Journal of Structural Engineering, 2014, 140, .	1.7	5
34	Simplified approach to estimating the elastic lateralâ€“torsional buckling capacity of steel beams with top-flange loading. Canadian Journal of Civil Engineering, 2015, 42, 130-138.	0.7	5
35	Behaviour of Single Angle Connections Under Simultaneous Shear, Tension and Moment. Structures, 2018, 15, 13-27.	1.7	5
36	Discussion of â€œExperimental Study of Thin Steelâ€Plate Shear Walls under Cyclic Loadâ€•by Vincent Caccese, Mohamed Elgaaly, and Ruobo Chen (February, 1993, Vol. 119, No. 2). Journal of Structural Engineering, 1994, 120, 3072-3073.	1.7	4

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37	Local buckling of grouted and ungrouted internally stiffened double-plate HPS webs. Journal of Constructional Steel Research, 2002, 58, 881-906.	1.7	3
38	Modular Construction of Steel Plate Shear Walls for Low and Moderate Seismic Regions. , 2011, , .		3
39	Effect of Regular Perforation Patterns on Steel Plate Shear Wall Column Demands. , 2011, , .		2
40	Canadian Disproportionate Collapse Design Provisions and Recent Research Developments. , 2014, , .		2
41	Performance-Based Capacity Design of Steel Plate Shear Walls. II: Design Provisions. Journal of Structural Engineering, 2014, 140, .	1.7	2
42	Development of Partially Encased Composite Columns for use in Steel Shear Walls for Seismic Applications. AIP Conference Proceedings, 2008, , .	0.3	1
43	Reliability Analysis of Shear Tab Connections under Progressive Collapse Scenario. , 2014, , .		0
44	Experimental Investigation on the Behavior of Extended Shear Tabs with Different Flexibilities. , 2015, , .		0