

Merih Kucukler

List of Publications by Year in descending order

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31
docs citations

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times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Fire testing and design of slender stainless steel I-sections in weak-axis flexure. Thin-Walled Structures, 2022, 171, 108682.	5.3	12
2	In-plane structural response and design of steel I-section beam-columns at elevated temperatures. Structures, 2022, 39, 1045-1062.	3.6	6
3	Testing of stainless steel I-section columns in fire. Engineering Structures, 2021, 227, 111320.	5.3	20
4	Local buckling of stainless steel I-sections in fire: Finite element modelling and design. Thin-Walled Structures, 2021, 161, 107486.	5.3	26
5	Fire testing of austenitic stainless steel I-section beam-columns. Thin-Walled Structures, 2021, 164, 107916.	5.3	16
6	Local stability of normal and high strength steel plates at elevated temperatures. Engineering Structures, 2021, 243, 112528.	5.3	14
7	In-plane structural response and design of duplex and ferritic stainless steel welded I-section beam-columns. Engineering Structures, 2021, 247, 113136.	5.3	4
8	Out-of-plane stability design of steel beams by second-order inelastic analysis with strain limits. Thin-Walled Structures, 2021, 169, 108352.	5.3	17
9	Stability of Stainless Steel I-Section Beam-Columns at Elevated Temperatures. International Journal of Structural Stability and Dynamics, 2021, 21, 2150037.	2.4	8
10	Local buckling of stainless steel plates in fire. Thin-Walled Structures, 2020, 148, 106570.	5.3	33
11	Behaviour and design of stainless steel I-section columns in fire. Journal of Constructional Steel Research, 2020, 165, 105890.	3.9	51
12	Flexural buckling behaviour and design of duplex and ferritic stainless steel I-section columns. Thin-Walled Structures, 2020, 156, 106953.	5.3	4
13	Design of web-tapered steel I-section members by second-order inelastic analysis with strain limits. Engineering Structures, 2020, 224, 111242.	5.3	17
14	Lateral instability of steel beams in fire: Behaviour, numerical modelling and design. Journal of Constructional Steel Research, 2020, 170, 106095.	3.9	30
15	Flexural-torsional buckling of austenitic stainless steel I-section beam-columns: Testing, numerical modelling and design. Thin-Walled Structures, 2020, 152, 106572.	5.3	19
16	Compressive resistance of high-strength and normal-strength steel CHS members at elevated temperatures. Thin-Walled Structures, 2020, 152, 106753.	5.3	20
17	Design of hot-finished tubular steel members using a stiffness reduction method. Journal of Constructional Steel Research, 2019, 160, 340-358.	3.9	2
18	Design of web-tapered steel beams against lateral-torsional buckling through a stiffness reduction method. Engineering Structures, 2019, 190, 246-261.	5.3	29

#	ARTICLE	IF	CITATIONS
19	A method for the numerical derivation of plastic collapse loads. Thin-Walled Structures, 2018, 124, 258-277.	5.3	35
20	Design of laterally restrained web-tapered steel structures through a stiffness reduction method. Journal of Constructional Steel Research, 2018, 141, 63-76.	3.9	26
21	Experimental and numerical study of stainless steel I-sections under concentrated internal one-flange and internal two-flange loading. Engineering Structures, 2018, 175, 355-370.	5.3	26
22	05.06: Design of web-tapered steel members through a stiffness reduction method. Ce/Papers, 2017, 1, 1066-1075.	0.3	1
23	Hot-Rolled Steel and Steel-Concrete Composite Design Incorporating Strain Hardening. Structures, 2017, 9, 21-28.	3.6	29
24	07.06: Numerical determination of plastic collapse loads for sections under concentrated transverse forces. Ce/Papers, 2017, 1, 1533-1542.	0.3	0
25	Development and assessment of a practical stiffness reduction method for the in-plane design of steel frames. Journal of Constructional Steel Research, 2016, 126, 187-200.	3.9	31
26	Deformation-Based Design of Composite Beams. , 2016, , .		0
27	Lateral-torsional buckling assessment of steel beams through a stiffness reduction method. Journal of Constructional Steel Research, 2015, 109, 87-100.	3.9	60
28	Flexural-torsional buckling assessment of steel beam-columns through a stiffness reduction method. Engineering Structures, 2015, 101, 662-676.	5.3	34
29	A stiffness reduction method for the in-plane design of structural steel elements. Engineering Structures, 2014, 73, 72-84.	5.3	31
30	The continuous strength method for steel and composite design. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2013, 166, 434-443.	0.8	5
31	Cross-section stability and design of normal strength and high strength steel I-sections in fire. International Journal of Structural Stability and Dynamics, 0, , .	2.4	1