

Merih Kucukler

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

607
citations

471509

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31
all docs

31
docs citations

31
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Lateral-torsional buckling assessment of steel beams through a stiffness reduction method. Journal of Constructional Steel Research, 2015, 109, 87-100.	3.9	60
2	Behaviour and design of stainless steel I-section columns in fire. Journal of Constructional Steel Research, 2020, 165, 105890.	3.9	51
3	A method for the numerical derivation of plastic collapse loads. Thin-Walled Structures, 2018, 124, 258-277.	5.3	35
4	Flexural-torsional buckling assessment of steel beam-columns through a stiffness reduction method. Engineering Structures, 2015, 101, 662-676.	5.3	34
5	Local buckling of stainless steel plates in fire. Thin-Walled Structures, 2020, 148, 106570.	5.3	33
6	A stiffness reduction method for the in-plane design of structural steel elements. Engineering Structures, 2014, 73, 72-84.	5.3	31
7	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
8	Lateral instability of steel beams in fire: Behaviour, numerical modelling and design. Journal of Constructional Steel Research, 2020, 170, 106095.	3.9	30
9	Hot-Rolled Steel and Steel-Concrete Composite Design Incorporating Strain Hardening. Structures, 2017, 9, 21-28.	3.6	29
10	Design of web-tapered steel beams against lateral-torsional buckling through a stiffness reduction method. Engineering Structures, 2019, 190, 246-261.	5.3	29
11	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
12	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
13	Local buckling of stainless steel I-sections in fire: Finite element modelling and design. Thin-Walled Structures, 2021, 161, 107486.	5.3	26
14	Compressive resistance of high-strength and normal-strength steel CHS members at elevated temperatures. Thin-Walled Structures, 2020, 152, 106753.	5.3	20
15	Testing of stainless steel I-section columns in fire. Engineering Structures, 2021, 227, 111320.	5.3	20
16	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
17	Design of web-tapered steel I-section members by second-order inelastic analysis with strain limits. Engineering Structures, 2020, 224, 111242.	5.3	17
18	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

#	ARTICLE	IF	CITATIONS
19	Fire testing of austenitic stainless steel I-section beam-column. Thin-Walled Structures, 2021, 164, 107916.	5.3	16
20	Local stability of normal and high strength steel plates at elevated temperatures. Engineering Structures, 2021, 243, 112528.	5.3	14
21	Fire testing and design of slender stainless steel I-sections in weak-axis flexure. Thin-Walled Structures, 2022, 171, 108682.	5.3	12
22	Stability of Stainless Steel I-Section Beam-Columns at Elevated Temperatures. International Journal of Structural Stability and Dynamics, 2021, 21, 2150037.	2.4	8
23	In-plane structural response and design of steel I-section beam-columns at elevated temperatures. Structures, 2022, 39, 1045-1062.	3.6	6
24	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
25	Flexural buckling behaviour and design of duplex and ferritic stainless steel I-section columns. Thin-Walled Structures, 2020, 156, 106953.	5.3	4
26	In-plane structural response and design of duplex and ferritic stainless steel welded I-section beam-column. Engineering Structures, 2021, 247, 113136.	5.3	4
27	Design of hot-finished tubular steel members using a stiffness reduction method. Journal of Constructional Steel Research, 2019, 160, 340-358.	3.9	2
28	05.06: Design of web-tapered steel members through a stiffness reduction method. Ce/Papers, 2017, 1, 1066-1075.	0.3	1
29	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
30	Deformation-Based Design of Composite Beams. , 2016, , .		0
31	07.06: Numerical determination of plastic collapse loads for sections under concentrated transverse forces. Ce/Papers, 2017, 1, 1533-1542.	0.3	0