

# Boksun Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

373  
citations

759233

12  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

252  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical solution for flange/web distortional buckling of cold-formed steel beams with circular web perforations. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 3463-3473.	2.6	6
2	Modelling of multi-species transport in concrete under the action of external electric field: Influence of the overpotential at electrode-electrolyte interfaces. <i>Journal of Electroanalytical Chemistry</i> , 2022, 907, 116079.	3.8	4
3	Solid waste management in developing countries: Reusing of steel slag aggregate in eco-friendly interlocking concrete paving blocks production. <i>Case Studies in Construction Materials</i> , 2021, 14, e00532.	1.7	13
4	Distortional buckling of perforated cold-formed steel beams subject to uniformly distributed transverse loads. <i>Thin-Walled Structures</i> , 2020, 148, 106569.	5.3	14
5	Dynamic Instability Analysis of Axially Compressed Castellated Columns. <i>International Journal of Steel Structures</i> , 2020, 20, 559-566.	1.3	2
6	Behaviour of sand-filled plastic bottled clay panels for sustainable homes. <i>Journal of Building Engineering</i> , 2019, 26, 100895.	3.4	10
7	An analytical solution of distortional buckling resistance of cold-formed steel channel-section beams with web openings. <i>Thin-Walled Structures</i> , 2019, 135, 446-452.	5.3	32
8	Linear and Nonlinear Buckling Analysis of Castellated Beams. <i>International Journal of Structural and Civil Engineering Research</i> , 2019, , 83-93.	0.1	2
9	Bending Analysis of Castellated Beams. <i>Athens Journal of Technology &amp; Engineering</i> , 2019, 6, 1-16.	0.2	9
10	Dynamic instability of castellated beams subjected to transverse periodic loading. <i>Challenge Journal of Structural Mechanics</i> , 2019, 5, 9.	0.3	0
11	Bottle house: A case study of transdisciplinary research for tackling global challenges. <i>Habitat International</i> , 2018, 79, 18-29.	5.8	33
12	Multiphase modelling of ionic transport in cementitious materials with surface charges. <i>Computational Materials Science</i> , 2016, 111, 339-349.	3.0	30
13	Analytical Solutions of Lateral-Torsional Buckling of Castellated Beams. <i>International Journal of Structural Stability and Dynamics</i> , 2016, 16, 1550044.	2.4	19
14	Buckling analysis of cold-formed steel channel-section beams at elevated temperatures. <i>Journal of Constructional Steel Research</i> , 2015, 104, 74-80.	3.9	18
15	Buckling analysis of partially protected cold-formed steel channel-section columns at elevated temperatures. <i>Fire Safety Journal</i> , 2015, 72, 7-15.	3.1	10
16	Thermal Buckling Analysis of Axially Loaded Columns of Thin-Walled Open Section with Nonuniform Sectional Properties. <i>International Journal of Structural Stability and Dynamics</i> , 2015, 15, 1450088.	2.4	7
17	Analytical approach for transverse vibration analysis of castellated beams. <i>International Journal of Structural Stability and Dynamics</i> , 2014, 14, 1350071.	2.4	9
18	Web-flange distortional buckling of partially restrained cold-formed steel purlins under uplift loading. <i>International Journal of Mechanical Sciences</i> , 2014, 89, 476-481.	6.7	19

#	ARTICLE	IF	CITATIONS
19	Buckling of axially loaded castellated steel columns. Journal of Constructional Steel Research, 2014, 92, 40-45.	3.9	24
20	Lateral-torsional buckling of steel web tapered tee-section cantilevers. Journal of Constructional Steel Research, 2013, 87, 31-37.	3.9	30
21	Lateral-torsional buckling of cold-formed channel sections subject to combined compression and bending. Journal of Constructional Steel Research, 2013, 80, 174-180.	3.9	30
22	Bending Stresses of Steel Web Tapered Tee Section Cantilevers. Journal of Civil Engineering and Architecture, 2013, 7, .	0.1	3
23	The behaviour of through-deck welded shear connectors: an experimental and numerical study. Journal of Constructional Steel Research, 2001, 57, 1359-1380.	3.9	49