

Yan Lu

List of Publications by Year in descending order

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17
papers

172
citations

1162367

8
h-index

1125271

13
g-index

17
all docs

17
docs citations

17
times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	Progressive collapse analysis of large-span reticulated domes. International Journal of Steel Structures, 2015, 15, 261-269.	0.6	30
2	Failure mechanism of steel arch trusses: Shaking table testing and FEM analysis. Engineering Structures, 2015, 82, 186-198.	2.6	25
3	Shaking Table Tests Examining Seismic Response of Suspended Ceilings Attached to Large-Span Spatial Structures. Journal of Structural Engineering, 2018, 144, .	1.7	23
4	Experimental and Simulation Study on Seismic Behavior of Beam-Column Joints with Cast Steel Stiffener. Journal of Structural Engineering, 2016, 142, .	1.7	19
5	Experimental investigation on the corrosion and corrosion fatigue behavior of butt weld with G20Mn5QT cast steel and Q355D steel under dry-wet cycle. Engineering Failure Analysis, 2022, 134, 105977.	1.8	15
6	Low-cycle multiaxial fatigue behavior and life prediction of Q235B steel welded material. International Journal of Fatigue, 2019, 127, 417-430.	2.8	14
7	Corrosion fatigue behaviour and microstructural characterisation of G20Mn5QT cast steel in 3.5wt% NaCl solution. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2397-2409.	1.7	12
8	Experimental and numerical investigations on residual stresses in hot-bent circular steel tube. Journal of Constructional Steel Research, 2019, 161, 31-46.	1.7	8
9	Effect of corrosion on the fatigue behaviour of butt welds of G20Mn5QT cast steel and Q345D hot rolled steel in 3.5wt% NaCl solution. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 2703-2714.	1.7	7
10	Path-dependent multiaxial fatigue prediction of welded joints using structural strain method. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2800-2826.	1.7	5
11	Material Parameters in the GTN Model for Ductile Fracture Simulation of G20Mn5QT Cast Steels. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	5
12	Hysteretic behavior of a shape memory alloy-friction damper and seismic performance assessment of cable supported structures and reticulated shells. Smart Materials and Structures, 2020, 29, 115003.	1.8	5
13	Residual stress testing and proposed residual stress model of hot-bent H-shaped steel. Journal of Constructional Steel Research, 2020, 175, 106373.	1.7	2
14	Ultimate load capacity and reinforcement of circular-hollow-section N-joint. Transactions of Tianjin University, 2010, 16, 1-5.	3.3	1
15	Cyclic Response and Constitutive Model Study of G20Mn5QT Cast Steel. International Journal of Steel Structures, 2020, 20, 1327-1340.	0.6	1
16	Resistance partial factor and reliability of cast ball-and-socket support joint. Transactions of Tianjin University, 2011, 17, 391-396.	3.3	0
17	Application of Control Rods for Passively Suppressing Cross-Flow VIV of an Inclined Flexible Cylinder. Shock and Vibration, 2018, 2018, 1-13.	0.3	0