

Yonghui Wang

List of Publications by Year in descending order

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48
papers

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citations

361413

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times ranked

286
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#	ARTICLE	IF	CITATIONS
1	Theoretical models for axially restrained steel-concrete-steel sandwich panels under blast loading. <i>International Journal of Impact Engineering</i> , 2015, 76, 221-231.	5.0	49
2	Responses of curved steel-concrete-steel sandwich shells subjected to blast loading. <i>Thin-Walled Structures</i> , 2016, 108, 185-192.	5.3	46
3	Low velocity impact performance of curved steel-concrete-steel sandwich shells with bolt connectors. <i>Thin-Walled Structures</i> , 2020, 150, 106672.	5.3	38
4	Shear failure mechanisms of SCS sandwich beams considering bond-slip between steel plates and concrete. <i>Engineering Structures</i> , 2019, 181, 458-475.	5.3	34
5	Energy absorption behaviour of an aluminium foam-filled circular-triangular nested tube energy absorber under impact loading. <i>Structures</i> , 2021, 34, 95-104.	3.6	33
6	Experimental and numerical studies of non-composite Steel-Concrete-Steel sandwich panels under impulsive loading. <i>Materials & Design</i> , 2015, 81, 104-112.	5.1	31
7	Strength assessment of curved steel-concrete-steel sandwich shells with bolt connectors under concentrated load. <i>Engineering Structures</i> , 2020, 212, 110465.	5.3	31
8	Experimental study on curved steel-concrete-steel sandwich shells under concentrated load by a hemi-spherical head. <i>Thin-Walled Structures</i> , 2019, 137, 117-128.	5.3	29
9	Crushing of a novel energy absorption connector with curved plate and aluminum foam as energy absorber. <i>Thin-Walled Structures</i> , 2017, 111, 145-154.	5.3	28
10	Ultimate strength of steel-concrete-steel sandwich panels under lateral pressure loading. <i>Engineering Structures</i> , 2016, 115, 96-106.	5.3	27
11	Impact behavior of a cladding sandwich panel with aluminum foam-filled tubular cores. <i>Thin-Walled Structures</i> , 2021, 169, 108459.	5.3	27
12	Energy absorption performance of a new circular-triangular nested tube and its application as sacrificial cladding. <i>Thin-Walled Structures</i> , 2020, 157, 106992.	5.3	25
13	Thermal performance of precast concrete sandwich walls with a novel hybrid connector. <i>Energy and Buildings</i> , 2018, 166, 109-121.	6.7	24
14	Blast performance of water tank with energy absorbing support. <i>Thin-Walled Structures</i> , 2015, 96, 1-10.	5.3	23
15	Numerical studies of aluminum foam filled energy absorption connectors under quasi-static compression loading. <i>Thin-Walled Structures</i> , 2017, 116, 225-233.	5.3	23
16	Experimental, numerical and analytical studies on the aluminum foam filled energy absorption connectors under impact loading. <i>Thin-Walled Structures</i> , 2018, 131, 566-576.	5.3	23
17	Performance and protection approach of single-layer reticulated dome subjected to blast loading. <i>Thin-Walled Structures</i> , 2013, 73, 57-67.	5.3	22
18	Dynamic crushing response of an energy absorption connector with curved plate and aluminum foam as energy absorber. <i>International Journal of Impact Engineering</i> , 2018, 121, 119-133.	5.0	21

#	ARTICLE	IF	CITATIONS
19	Behaviour of a novel stiffener-enhanced steel-concrete-steel sandwich beam subjected to impact loading. <i>Thin-Walled Structures</i> , 2021, 165, 107989.	5.3	21
20	Energy absorption of graded foam subjected to blast: A theoretical approach. <i>Materials and Design</i> , 2015, 84, 351-358.	7.0	20
21	Analysis of axially restrained water storage tank under blast loading. <i>International Journal of Impact Engineering</i> , 2015, 86, 167-178.	5.0	20
22	Response of energy absorbing connector with polyurethane foam and multiple pleated plates under impact loading. <i>International Journal of Impact Engineering</i> , 2019, 133, 103356.	5.0	20
23	Experimental and numerical studies on steel-polyurethane foam-steel-concrete-steel panel under impact loading by a hemispherical head. <i>Engineering Structures</i> , 2021, 247, 113201.	5.3	20
24	Experimental and analytical studies of a novel aluminum foam filled energy absorption connector under quasi-static compression loading. <i>Engineering Structures</i> , 2017, 131, 136-147.	5.3	19
25	Structural performance of water tank under static and dynamic pressure loading. <i>International Journal of Impact Engineering</i> , 2015, 85, 110-123.	5.0	16
26	Impact response of steel-PU foam-steel-concrete-steel panel: Experimental, numerical and analytical studies. <i>International Journal of Impact Engineering</i> , 2021, 158, 104007.	5.0	16
27	Evaluation on thermal behavior of concrete-filled steel tubular columns based on modified finite difference method. <i>Advances in Structural Engineering</i> , 2016, 19, 746-761.	2.4	13
28	Behavior of steel-concrete-steel sandwich beams with bolt connectors under off-center impact load. <i>Journal of Constructional Steel Research</i> , 2021, 186, 106889.	3.9	13
29	Modelling and Dynamic Response of Steel Reticulated Shell under Blast Loading. <i>Shock and Vibration</i> , 2013, 20, 19-28.	0.6	12
30	Crushing of energy absorption connectors with polyurethane foam and asymmetric pleated plates. <i>Journal of Constructional Steel Research</i> , 2020, 166, 105902.	3.9	11
31	Quasi-static crushing behaviour of the energy absorbing connector with polyurethane foam and multiple pleated plates. <i>Engineering Structures</i> , 2020, 211, 110404.	5.3	11
32	Numerical study of water tank under blast loading. <i>Thin-Walled Structures</i> , 2015, 90, 42-48.	5.3	10
33	A novel multi-functional water facade system for energy saving and blast resisting. <i>Materials and Design</i> , 2016, 106, 98-111.	7.0	10
34	Thermal stress analysis of concrete wall of LNG tank during construction period. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2393-2406.	3.1	9
35	Experimental, numerical, and analytical studies on polyurethane foam-filled energy absorption connectors under quasi-static loading. <i>Thin-Walled Structures</i> , 2019, 144, 106257.	5.3	9
36	Modeling and Dynamic Response of Curved Steel-Concrete-Steel Sandwich Shells Under Blast Loading. <i>International Journal of Steel Structures</i> , 2020, 20, 1663-1681.	1.3	9

#	ARTICLE	IF	CITATIONS
37	Dynamic Crushing Behaviors of Aluminum Foam Filled Energy Absorption Connectors. International Journal of Steel Structures, 2019, 19, 241-254.	1.3	8
38	Numerical Modeling and Dynamic Response of 160,000-m ³ Liquefied Natural Gas Outer Tank under Aircraft Impact. Journal of Performance of Constructed Facilities, 2019, 33, 04019039.	2.0	7
39	Response of flat steel-concrete-corrugated steel sandwich panel under drop-weight impact load by a hemi-spherical head. Journal of Building Engineering, 2021, 44, 102890.	3.4	7
40	Flexural behaviours of one-way steel-concrete-steel sandwich panels with novel hybrid connectors: Tests and analysis. Journal of Constructional Steel Research, 2022, 188, 107013.	3.9	7
41	Damage model and damage assessment for single-layer reticulated domes under exterior blast load. Mechanics Based Design of Structures and Machines, 2019, 47, 319-338.	4.7	6
42	Experimental and numerical studies on novel stiffener-enhanced steel-concrete-steel sandwich panels subjected to impact loading. Journal of Building Engineering, 2022, 45, 103479.	3.4	5
43	Numerical and analytical investigation on a multilayer water facade system subjected to blast loading. Composite Structures, 2016, 158, 175-186.	5.8	4
44	Finite Element Modeling of Steel-Concrete-Steel Sandwich Beams with Bolt Connectors Under Drop Weight Impact. International Journal of Steel Structures, 2021, 21, 1878-1893.	1.3	3
45	Heat Transfer Analysis of Water Storage Façade System. , 2013, , .		3
46	Stability of reticulated shell with steel panel as the bracing and time-varying structure for LNG tank during concrete dome casting. International Journal of Steel Structures, 2017, 17, 1145-1156.	1.3	2
47	Development of dimensionless P-I diagram for curved SCS sandwich shell subjected to uniformly distributed blast pressure. Frontiers of Structural and Civil Engineering, 2019, 13, 1432-1445.	2.9	2
48	Numerical Study and Multi-objective Optimization of an Energy Absorbing Connector with Curved Plate and Aluminum Foam. International Journal of Steel Structures, 2020, 20, 287-299.	1.3	1