

Hanfeng Yin

List of Publications by Year in descending order

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papers

1,611
citations

279701

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36
docs citations

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times ranked

848
citing authors

#	ARTICLE	IF	CITATIONS
1	Crashworthiness analysis and optimization design of TPMS-filled structure. International Journal of Crashworthiness, 2022, 27, 1481-1498.	1.1	9
2	On crashworthiness of novel porous structure based on composite TPMS structures. Engineering Structures, 2022, 252, 113640.	2.6	32
3	On bending crashworthiness of smooth-shell lattice-filled structures. Thin-Walled Structures, 2022, 171, 108800.	2.7	23
4	Crushing analysis and optimization for bio-inspired hierarchical 3D cellular structure. Composite Structures, 2022, 286, 115333.	3.1	14
5	Design optimization of a novel bio-inspired 3D porous structure for crashworthiness. Composite Structures, 2021, 255, 112897.	3.1	56
6	Crashworthiness optimization of bio-inspired hierarchical honeycomb under axial loading. International Journal of Crashworthiness, 2021, 26, 26-37.	1.1	13
7	Theoretical prediction and crashworthiness optimization of multi-cell polygonal tubes. Journal of Sandwich Structures and Materials, 2020, 22, 190-219.	2.0	25
8	Reliability analysis of concrete barriers under vehicular crashes using augmented RBFs. Structural and Multidisciplinary Optimization, 2020, 61, 1215-1228.	1.7	3
9	Crushing behavior and optimization of sheet-based 3D periodic cellular structures. Composites Part B: Engineering, 2020, 182, 107565.	5.9	109
10	Multi-Objective Optimization Design of Functionally Graded Foam-Filled Graded-Thickness Tube Under Lateral Impact. International Journal of Computational Methods, 2019, 16, 1850088.	0.8	13
11	On the ensemble of metamodels with multiple regional optimized weight factors. Structural and Multidisciplinary Optimization, 2018, 58, 245-263.	1.7	26
12	In-plane crashworthiness of bio-inspired hierarchical honeycombs. Composite Structures, 2018, 192, 516-527.	3.1	95
13	Optimisation for bending crashworthiness of functionally graded foam-filled cellular structure. International Journal of Crashworthiness, 2018, 23, 446-460.	1.1	13
14	A Probability-Based Approach for Assessment of Concrete Median Barriers. , 2018, , .		1
15	Reliability Based Design Optimization of a MASH TL-3 Concrete Barrier. , 2018, , .		0
16	Design optimization of a new W-beam guardrail for enhanced highway safety performance. Advances in Engineering Software, 2017, 112, 154-164.	1.8	27
17	Quasi-static axial crushing experiment study of foam-filled CFRP and aluminum alloy thin-walled structures. Composite Structures, 2016, 157, 303-319.	3.1	59
18	Multi-objective robust optimization of foam-filled bionic thin-walled structures. Thin-Walled Structures, 2016, 109, 332-343.	2.7	40

#	ARTICLE	IF	CITATIONS
19	Crashworthiness design of horsetail-bionic thin-walled structures under axial dynamic loading. International Journal of Mechanics and Materials in Design, 2016, 12, 563-576.	1.7	79
20	Multi-objective optimization of circular magnetic abrasive polishing of SUS304 and Cu materials. Journal of Mechanical Science and Technology, 2016, 30, 2643-2650.	0.7	8
21	Crushing analysis of thin-walled beams with various section geometries under lateral impact. Thin-Walled Structures, 2016, 102, 43-57.	2.7	29
22	Design optimization of a MASH TL-3 concrete barrier using RBF-based metamodels and nonlinear finite element simulations. Engineering Structures, 2016, 114, 122-134.	2.6	34
23	An adaptive RBF-based multi-objective optimization method for crashworthiness design of functionally graded multi-cell tube. Structural and Multidisciplinary Optimization, 2016, 53, 129-144.	1.7	28
24	Optimization Design for Spur Gear with Stress-Relieving Holes. International Journal of Computational Methods, 2015, 12, 1550006.	0.8	3
25	Multiobjective optimization for foam-filled multi-cell thin-walled structures under lateral impact. Thin-Walled Structures, 2015, 94, 1-12.	2.7	96
26	Crushing analysis and multi-objective optimization design for bionic thin-walled structure. Materials and Design, 2015, 87, 825-834.	3.3	95
27	Multi-objective robust optimization of foam-filled tapered multi-cell thin-walled structures. Structural and Multidisciplinary Optimization, 2015, 52, 1051-1067.	1.7	37
28	Multiobjective crashworthiness optimization design of functionally graded foam-filled tapered tube based on dynamic ensemble metamodel. Materials & Design, 2014, 55, 747-757.	5.1	91
29	Crashworthiness optimization design for foam-filled multi-cell thin-walled structures. Thin-Walled Structures, 2014, 75, 8-17.	2.7	160
30	Crashworthiness design of functionally graded foam-filled multi-cell thin-walled structures. Thin-Walled Structures, 2014, 85, 142-155.	2.7	57
31	Optimisation design of reinforced S-shaped frame structure under axial dynamic loading. International Journal of Crashworthiness, 2014, 19, 385-393.	1.1	10
32	Multiobjective crashworthiness optimization of functionally lateral graded foam-filled tubes. Materials & Design, 2013, 44, 414-428.	5.1	96
33	Multi-objective optimisation design of a double-chamber airbag landing system with structure-selection techniques. International Journal of Crashworthiness, 2012, 17, 529-539.	1.1	3
34	Theoretical prediction and numerical simulation of honeycomb structures with various cell specifications under axial loading. International Journal of Mechanics and Materials in Design, 2011, 7, 253-263.	1.7	30
35	Crushing analysis and multiobjective crashworthiness optimization of honeycomb-filled single and bitubular polygonal tubes. Materials & Design, 2011, 32, 4449-4460.	5.1	173
36	CRASHWORTHINESS DESIGN FOR HONEYCOMB STRUCTURES UNDER AXIAL DYNAMIC LOADING. International Journal of Computational Methods, 2011, 08, 863-877.	0.8	24