

Hanfeng Yin

List of Publications by Year in descending order

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36
papers

1,611
citations

279701

23
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377752

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docs citations

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times ranked

848
citing authors

#	ARTICLE	IF	CITATIONS
1	Crushing analysis and multiobjective crashworthiness optimization of honeycomb-filled single and bitubular polygonal tubes. <i>Materials & Design</i> , 2011, 32, 4449-4460.	5.1	173
2	Crashworthiness optimization design for foam-filled multi-cell thin-walled structures. <i>Thin-Walled Structures</i> , 2014, 75, 8-17.	2.7	160
3	Crushing behavior and optimization of sheet-based 3D periodic cellular structures. <i>Composites Part B: Engineering</i> , 2020, 182, 107565.	5.9	109
4	Multiobjective crashworthiness optimization of functionally lateral graded foam-filled tubes. <i>Materials & Design</i> , 2013, 44, 414-428.	5.1	96
5	Multiobjective optimization for foam-filled multi-cell thin-walled structures under lateral impact. <i>Thin-Walled Structures</i> , 2015, 94, 1-12.	2.7	96
6	Crushing analysis and multi-objective optimization design for bionic thin-walled structure. <i>Materials and Design</i> , 2015, 87, 825-834.	3.3	95
7	In-plane crashworthiness of bio-inspired hierarchical honeycombs. <i>Composite Structures</i> , 2018, 192, 516-527.	3.1	95
8	Multiobjective crashworthiness optimization design of functionally graded foam-filled tapered tube based on dynamic ensemble metamodel. <i>Materials & Design</i> , 2014, 55, 747-757.	5.1	91
9	Crashworthiness design of horsetail-bionic thin-walled structures under axial dynamic loading. <i>International Journal of Mechanics and Materials in Design</i> , 2016, 12, 563-576.	1.7	79
10	Quasi-static axial crushing experiment study of foam-filled CFRP and aluminum alloy thin-walled structures. <i>Composite Structures</i> , 2016, 157, 303-319.	3.1	59
11	Crashworthiness design of functionally graded foam-filled multi-cell thin-walled structures. <i>Thin-Walled Structures</i> , 2014, 85, 142-155.	2.7	57
12	Design optimization of a novel bio-inspired 3D porous structure for crashworthiness. <i>Composite Structures</i> , 2021, 255, 112897.	3.1	56
13	Multi-objective robust optimization of foam-filled bionic thin-walled structures. <i>Thin-Walled Structures</i> , 2016, 109, 332-343.	2.7	40
14	Multi-objective robust optimization of foam-filled tapered multi-cell thin-walled structures. <i>Structural and Multidisciplinary Optimization</i> , 2015, 52, 1051-1067.	1.7	37
15	Design optimization of a MASH TL-3 concrete barrier using RBF-based metamodels and nonlinear finite element simulations. <i>Engineering Structures</i> , 2016, 114, 122-134.	2.6	34
16	On crashworthiness of novel porous structure based on composite TPMS structures. <i>Engineering Structures</i> , 2022, 252, 113640.	2.6	32
17	Theoretical prediction and numerical simulation of honeycomb structures with various cell specifications under axial loading. <i>International Journal of Mechanics and Materials in Design</i> , 2011, 7, 253-263.	1.7	30
18	Crushing analysis of thin-walled beams with various section geometries under lateral impact. <i>Thin-Walled Structures</i> , 2016, 102, 43-57.	2.7	29

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19	An adaptive RBF-based multi-objective optimization method for crashworthiness design of functionally graded multi-cell tube. <i>Structural and Multidisciplinary Optimization</i> , 2016, 53, 129-144.	1.7	28
20	Design optimization of a new W-beam guardrail for enhanced highway safety performance. <i>Advances in Engineering Software</i> , 2017, 112, 154-164.	1.8	27
21	On the ensemble of metamodels with multiple regional optimized weight factors. <i>Structural and Multidisciplinary Optimization</i> , 2018, 58, 245-263.	1.7	26
22	Theoretical prediction and crashworthiness optimization of multi-cell polygonal tubes. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 190-219.	2.0	25
23	CRASHWORTHINESS DESIGN FOR HONEYCOMB STRUCTURES UNDER AXIAL DYNAMIC LOADING. <i>International Journal of Computational Methods</i> , 2011, 08, 863-877.	0.8	24
24	On bending crashworthiness of smooth-shell lattice-filled structures. <i>Thin-Walled Structures</i> , 2022, 171, 108800.	2.7	23
25	Crushing analysis and optimization for bio-inspired hierarchical 3D cellular structure. <i>Composite Structures</i> , 2022, 286, 115333.	3.1	14
26	Optimisation for bending crashworthiness of functionally graded foam-filled cellular structure. <i>International Journal of Crashworthiness</i> , 2018, 23, 446-460.	1.1	13
27	Multi-Objective Optimization Design of Functionally Graded Foam-Filled Graded-Thickness Tube Under Lateral Impact. <i>International Journal of Computational Methods</i> , 2019, 16, 1850088.	0.8	13
28	Crashworthiness optimization of bio-inspired hierarchical honeycomb under axial loading. <i>International Journal of Crashworthiness</i> , 2021, 26, 26-37.	1.1	13
29	Optimisation design of reinforced S-shaped frame structure under axial dynamic loading. <i>International Journal of Crashworthiness</i> , 2014, 19, 385-393.	1.1	10
30	Crashworthiness analysis and optimization design of TPMS-filled structure. <i>International Journal of Crashworthiness</i> , 2022, 27, 1481-1498.	1.1	9
31	Multi-objective optimization of circular magnetic abrasive polishing of SUS304 and Cu materials. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 2643-2650.	0.7	8
32	Multi-objective optimisation design of a double-chamber airbag landing system with structure-selection techniques. <i>International Journal of Crashworthiness</i> , 2012, 17, 529-539.	1.1	3
33	Optimization Design for Spur Gear with Stress-Relieving Holes. <i>International Journal of Computational Methods</i> , 2015, 12, 1550006.	0.8	3
34	Reliability analysis of concrete barriers under vehicular crashes using augmented RBFs. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 1215-1228.	1.7	3
35	A Probability-Based Approach for Assessment of Concrete Median Barriers. , 2018, , .		1
36	Reliability Based Design Optimization of a MASH TL-3 Concrete Barrier. , 2018, , .		0