

Murat Altin

List of Publications by Year in descending order

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9
papers

231
citations

1307594

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1474206

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9
all docs

9
docs citations

9
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	An investigation of the crashworthiness performance and optimization of tetra-chiral and reentrant crash boxes. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 6881-6904.	4.7	5
2	Experimental and numerical investigation on the crashworthiness optimization of thin-walled aluminum tubes considering damage criteria. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	12
3	Exploring various options for improving crashworthiness performance of rail vehicle crash absorbers with diaphragms. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 3193-3208.	3.5	8
4	Multi-fidelity crashworthiness optimization of a bus bumper system under frontal impact. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	8
5	Evaluation of various multi-cell design concepts for crashworthiness design of thin-walled aluminum tubes. <i>Thin-Walled Structures</i> , 2019, 142, 227-235.	5.3	46
6	Thermodynamic, dynamic and flow friction analysis of a Stirling engine with Scotch yoke piston driving mechanism. <i>Energy</i> , 2019, 168, 169-181.	8.8	17
7	Investigation of combined effects of cross section, taper angle and cell structure on crashworthiness of multi-cell thin-walled tubes. <i>International Journal of Crashworthiness</i> , 2019, 24, 121-136.	1.9	27
8	Foam filling options for crashworthiness optimization of thin-walled multi-tubular circular columns. <i>Thin-Walled Structures</i> , 2018, 131, 309-323.	5.3	36
9	The effect of percent foam fill ratio on the energy absorption capacity of axially compressed thin-walled multi-cell square and circular tubes. <i>International Journal of Mechanical Sciences</i> , 2017, 131-132, 368-379.	6.7	72