Gaurav Tiwari

List of Publications by Year in descending order

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32 papers	456 citations	759233 12 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	240 citing authors

#	Article	IF	Citations
1	Ballistic performance and energy dissipation characteristics of cylindrical honeycomb sandwich structure. International Journal of Impact Engineering, 2022, 160, 104065.	5.0	24
2	Low-velocity impact response of layered frusta tube structures. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	1
3	Perforation and energy dissipation behaviour of honeycomb core cylindrical sandwich shell subjected to conical shape projectile at high velocity impact. Thin-Walled Structures, 2022, 171, 108724.	5.3	22
4	Energy absorption characteristic of sandwich shell structure against conical and hemispherical nose projectile. Composite Structures, 2021, 258, 113396.	5.8	13
5	Effect of eccentricity and obliquity on the ballistic performance and energy dissipation of hemispherical shell subjected to ogive nosed. Thin-Walled Structures, 2021, 161, 107447.	5.3	11
6	Finite Element Simulation of Ballistic Response of Metallic Sandwich Structures with Aluminium Foam Core. Lecture Notes in Mechanical Engineering, 2021, , 543-549.	0.4	1
7	Impact Response of Thin Aluminium Plate with Varying Projectile Obliquity and Span Diameter. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2020, 44, 93-102.	1.3	2
8	Ballistic response of hemispherical sandwich shell structure against ogive nosed projectile. Thin-Walled Structures, 2020, 154, 106869.	5.3	27
9	Effect of cut-outs on the axial crushing response of cap and open-end hybrid frusta tube. Materials Today: Proceedings, 2020, 28, 2539-2546.	1.8	8
10	Review of the crushing response of collapsible tubular structures. Frontiers of Mechanical Engineering, 2020, 15, 438-474.	4.3	14
11	Crashworthiness analysis of multi-configuration thin walled co-axial frusta tube structures under quasi-static loading. Thin-Walled Structures, 2020, 154, 106872.	5.3	20
12	Ballistic response of double layered 1100-H12 aluminium hemispherical shell structure. Thin-Walled Structures, 2020, 148, 106619.	5.3	11
13	The Ballistic Performance of Thin Aluminium Plates Against Blunt-Nosed Projectile. Materials Today: Proceedings, 2020, 21, 1763-1771.	1.8	2
14	Numerical Study of Energy Absorption Behaviour of Thin Aluminium Hemispherical Shell against Projectile Impact. Materials Today: Proceedings, 2020, 21, 1958-1963.	1.8	2
15	The Effect of Target Thickness on Ballistic Resistance of Thin Aluminium Plates. Materials Today: Proceedings, 2020, 21, 1999-2013.	1.8	5
16	Design refinements of synchronous reluctance motor utilising nonâ€magnetic radial ribs for traction applications. IET Electric Power Applications, 2020, 14, 2480-2489.	1.8	3
17	Structural Response of Multi-Layered Aluminium Foam Core Sandwich Structure Against Blast Loading. Advanced Science, Engineering and Medicine, 2020, 12, 1378-1382.	0.3	0
18	Ballistic Response of Confined Ceramic/Metal Armor System Against Long Projectile. Advanced Science, Engineering and Medicine, 2020, 12, 1383-1387.	0.3	0

#	Article	IF	Citations
19	Impact response of thin aluminium plates and hemispherical shells. International Journal of Crashworthiness, 2019, 24, 413-428.	1.9	1
20	Energy absorption and in-plane crushing behavior of aluminium reinforced honeycomb. Vacuum, 2019, 166, 364-369.	3.5	25
21	Crushing behavior of honeycomb structure: a review. International Journal of Crashworthiness, 2019, 24, 555-579.	1.9	71
22	Effect of eccentric loading on energy absorbing circular cap and open end frusta tube structures. Vacuum, 2019, 166, 356-363.	3.5	6
23	Energy absorption characteristics of thin aluminium plate against hemispherical nosed projectile impact. Thin-Walled Structures, 2018, 126, 246-257.	5.3	24
24	Influence of reinforcement in the honeycomb structures under axial compressive load. Thin-Walled Structures, 2018, 126, 238-245.	5.3	32
25	Influence of Target Span and Boundary Conditions on Ballistic Limit of Thin Aluminum Plate. Procedia Engineering, 2017, 173, 169-174.	1.2	1
26	Energy dissipation in thin metallic shells under projectile impact. European Journal of Mechanics, A/Solids, 2016, 59, 37-57.	3.7	23
27	Ballistic performance and energy absorption characteristics of thin aluminium plates. International Journal of Impact Engineering, 2015, 77, 1-15.	5.0	44
28	Effect of Periphery Fixity on Ballistic Limit of Thin Aluminum Plate Subjected to Blunt and Ogival Projectile Impact. International Journal of Applied Mechanics and Engineering, 2014, 19, 379-395.	0.7	0
29	The ballistic resistance of thin aluminium plates with varying degrees of fixity along the circumference. International Journal of Impact Engineering, 2014, 74, 46-56.	5.0	17
30	Response of 1100-H12 Aluminum Targets to Varying Span and Configuration. Key Engineering Materials, 2013, 535-536, 539-542.	0.4	0
31	Effect of target span and configuration on the ballistic limit. International Journal of Impact Engineering, 2012, 42, 11-24.	5.0	44
32	Effect of Configuration and Target Span on the Ballistic Resistance. Key Engineering Materials, 0, 535-536, 52-55.	0.4	2