

Uzair Ahmed Dar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1213353/publications.pdf>

Version: 2024-02-01

20
papers

241
citations

1163065

8
h-index

1125717

13
g-index

20
all docs

20
docs citations

20
times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	Static and dynamic Brazilian disk tests for mechanical characterization of annealed and chemically strengthened glass. <i>Ceramics International</i> , 2019, 45, 7931-7944.	4.8	43
2	Numerical implementation of strain rate dependent thermo viscoelastic constitutive relation to simulate the mechanical behavior of PMMA. <i>International Journal of Mechanics and Materials in Design</i> , 2014, 10, 93-107.	3.0	37
3	The effect of injection molding process parameters on mechanical and fracture behavior of polycarbonate polymer. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	32
4	Optimization of Composite Material System and Lay-up to Achieve Minimum Weight Pressure Vessel. <i>Applied Composite Materials</i> , 2013, 20, 873-889.	2.5	26
5	Thermal and strain rate sensitive compressive behavior of polycarbonate polymer - experimental and constitutive analysis. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	26
6	FE Analysis of Dynamic Response of Aircraft Windshield against Bird Impact. <i>International Journal of Aerospace Engineering</i> , 2013, 2013, 1-12.	0.9	23
7	Polymer based aerospace structures under high velocity impact applications; experimental, constitutive and finite element analysis. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 4259-4265.	1.5	19
8	Dynamic failure of un-strengthened aluminosilicate glass. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 104, 102325.	4.7	13
9	Visualization of impact damage in annealed and chemically strengthened aluminosilicate glass. <i>Ceramics International</i> , 2019, 45, 18727-18742.	4.8	6
10	High Rate Response and Dynamic Failure of Aluminosilicate Glass under Compression Loading. <i>Procedia Structural Integrity</i> , 2018, 13, 1244-1249.	0.8	5
11	Energy absorption and compression behaviour of polymeric 3D printed lattice structures - experimental and numerical study. , 2021, , .		3
12	Modeling the perforation failure of honeycomb sandwich structures through numerical homogenization. , 2013, , .		2
13	Effect of Polymeric Interlayer on Wave Propagation in Transparent Soda-lime Glass. <i>Procedia Structural Integrity</i> , 2018, 13, 2120-2125.	0.8	2
14	Swirl Atomizer Design for Evaporative Cooling of High Temperature Compressed Air Stream. <i>International Journal of Fluid Mechanics Research</i> , 2014, 41, 51-70.	0.4	2
15	Numerical study on the optimum design of explosively formed projectile. , 2018, , .		1
16	NUMERICAL CHARACTERIZATION OF ACRYLIC POLYMER UNDER QUASI-STATIC AND DYNAMIC LOADING BY IMPLEMENTING VISCOELASTIC MATERIAL MODEL. <i>Composites: Mechanics, Computations, Applications</i> , 2014, 5, 195-205.	0.3	1
17	A research methodology for crashworthiness evaluation of aero-structures under impact loading. , 2017, , .		0
18	FINITE-ELEMENT SIMULATION OF THE BEHAVIOR OF PERFORATION IN FIBER-METAL LAMINATES. <i>Composites: Mechanics, Computations, Applications</i> , 2013, 4, 113-121.	0.3	0

#	ARTICLE	IF	CITATIONS
19	FINITE-ELEMENT ASSESSMENT OF DAMAGE TO AN AIRCRAFT WINDSHIELD INCURRED BY HIGH-SPEED MULTIPLE BIRD STRIKES. Composites: Mechanics, Computations, Applications, 2014, 5, 245-258.	0.3	0
20	PREDICTION OF THE DYNAMIC BEHAVIOR OF PC AND PMMA-BASED POLYMER PRODUCTS THROUGH CONSTITUTIVE AND FINITE ELEMENT ANALYSIS. Composites: Mechanics, Computations, Applications, 2016, 7, 105-117.	0.3	0