

Amna Siddique

List of Publications by Year in descending order

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papers

334
citations

759233

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200
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#	ARTICLE	IF	CITATIONS
1	High-speed visualizing and mesoscale modeling for deformation and damage of 3D angle-interlock woven composites subjected to transverse impacts. <i>International Journal of Mechanical Sciences</i> , 2018, 140, 119-132.	6.7	37
2	Mode I fracture toughness of fiber-reinforced polymer composites: A review. <i>Journal of Industrial Textiles</i> , 2021, 50, 1165-1192.	2.4	36
3	Drop-weight impact behaviors of 3-D angle interlock woven composites after thermal oxidative aging. <i>Composite Structures</i> , 2017, 166, 239-255.	5.8	28
4	Numerical analysis of thermal expansion behaviors and interfacial thermal stress of 3D braided composite materials. <i>Computational Materials Science</i> , 2017, 138, 77-91.	3.0	24
5	Numerical analyses on thermal stress distribution induced from impact compression in 3D carbon fiber/epoxy braided composite materials. <i>Journal of Thermal Stresses</i> , 2018, 41, 903-919.	2.0	21
6	Extraction of Natural Dye from Aerial Parts of Argy Wormwood Based on Optimized Taguchi Approach and Functional Finishing of Cotton Fabric. <i>Materials</i> , 2021, 14, 5850.	2.9	18
7	Fabrication and chemo-physical characterization of CuO/chitosan nanocomposite-mediated tricomponent PVA films. <i>Polymer Bulletin</i> , 2021, 78, 1955-1965.	3.3	17
8	Performance Evaluation of Jute/Glass-Fiber-Reinforced Polybutylene Succinate (PBS) Hybrid Composites with Different Layering Configurations. <i>Materials</i> , 2022, 15, 1055.	2.9	16
9	Structural influences of two-dimensional and three-dimensional carbon/epoxy composites on mode I fracture toughness behaviors with rate effects on damage evolution. <i>Journal of Industrial Textiles</i> , 2020, 50, 23-45.	2.4	15
10	A review of joining techniques for thermoplastic composite materials. <i>Journal of Thermoplastic Composite Materials</i> , 2023, 36, 3417-3454.	4.2	14
11	Simultaneous Fixation of Wrinkle-Free Finish and Reactive Dye on Cotton Using Response Surface Methodology. <i>Clothing and Textiles Research Journal</i> , 2018, 36, 119-132.	3.4	13
12	Comparisons on impact fracture behavior between three-dimensional four directional and five directional braided composite materials. <i>International Journal of Damage Mechanics</i> , 2019, 28, 990-1020.	4.2	12
13	Impact fracture behaviors of three-dimensional braided composite U-notch beam subjected to three-point bending. <i>International Journal of Damage Mechanics</i> , 2019, 28, 404-426.	4.2	11
14	Finite element modeling on fracture toughness of 3D angle-interlock woven carbon/epoxy composites at microstructure level. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 849-860.	2.6	10
15	Influence of Braiding Angle on Multiple Impact Damages of 3-D Braided Composite along Longitudinal Direction. <i>Applied Composite Materials</i> , 2019, 26, 1261-1280.	2.5	9
16	Effect of braiding angle on dynamic mechanical properties of 3-D braided rectangular composites under multiple impact compressions. <i>Journal of Composite Materials</i> , 2019, 53, 1827-1846.	2.4	9
17	The Effect of Softeners Applications on Moisture Management Properties of Polyester/Cotton Blended Sandwich Weft-Knitted Fabric Structure. <i>Coatings</i> , 2021, 11, 575.	2.6	8
18	Response Surface Optimization in Discharge Printing of Denim Using Potassium Permanganate as Oxidative Agent. <i>Clothing and Textiles Research Journal</i> , 2017, 35, 204-214.	3.4	7

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19	Differences of transverse impact damages in 3D angle-interlock woven composites between warp and weft directions. <i>International Journal of Damage Mechanics</i> , 2019, 28, 1203-1227.	4.2	7
20	Optimization of discharge printing of indigo denim using potassium permanganate via response surface regression. <i>Pigment and Resin Technology</i> , 2018, 47, 228-235.	0.9	5
21	Impact of Novel Varietal and Regional Differences on Cotton Fiber Quality Characteristics. <i>Materials</i> , 2022, 15, 3242.	2.9	5
22	Eco-friendly dyeing of cotton using waste-derived natural dyes and mordants. <i>Coloration Technology</i> , 2022, 138, 684-692.	1.5	5
23	Recent Developments in Laser Fading of Denim: A Critical Review. <i>Journal of Natural Fibers</i> , 2022, 19, 11621-11631.	3.1	4
24	Effect of pre-crack length on Mode I fracture toughness of 3-D angle-interlock woven composites from finite element analyses. <i>Journal of the Textile Institute</i> , 2019, 110, 1445-1458.	1.9	3