

Muhammad Basha

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

350
citations

932766

10
h-index

1125271

13
g-index

13
all docs

13
docs citations

13
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	Wear and microhardness behaviors of AA7075/SiC-BN hybrid nanocomposite surfaces fabricated by friction stir processing. <i>Ceramics International</i> , 2020, 46, 16938-16943.	2.3	68
2	Prediction of residual stresses in turning of pure iron using artificial intelligence-based methods. <i>Journal of Materials Research and Technology</i> , 2021, 11, 2181-2194.	2.6	67
3	Experimental investigation on laser cutting of PMMA sheets: Effects of process factors on kerf characteristics. <i>Journal of Materials Research and Technology</i> , 2021, 11, 235-246.	2.6	55
4	Impact and post-impact response of lightweight CFRP/wood sandwich composites. <i>Composite Structures</i> , 2022, 279, 114766.	3.1	27
5	Bio-inspired composite laminate design with improved out-of-plane strength and ductility. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 144, 106362.	3.8	26
6	Free Vibration of FG-CNTRCs Nano-Plates/Shells with Temperature-Dependent Properties. <i>Mathematics</i> , 2022, 10, 583.	1.1	21
7	On the impact damage resistance and tolerance improvement of hybrid CFRP/Kevlar sandwich composites. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111732.	2.2	20
8	Developing building enhanced with PCM to reduce energy consumption. <i>Journal of Building Engineering</i> , 2022, 48, 103923.	1.6	17
9	A Dynamic Analysis of Randomly Oriented Functionally Graded Carbon Nanotubes/Fiber-Reinforced Composite Laminated Shells with Different Geometries. <i>Mathematics</i> , 2022, 10, 408.	1.1	17
10	Effect of lattice structure evolution and stacking fault energy on the properties of Cu/ZrO ₂ /GNP nanocomposites. <i>Ceramics International</i> , 2021, 47, 29598-29606.	2.3	13
11	Integrating a nanofluid-based solar system with air handling unit to reduce energy usage: Case studies in Saudi Arabia. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 128, 338-345.	2.7	9
12	Examining the effects of interior setpoint temperature on phase change materials usefulness through a performing annual analysis in the air handling units: A building energy management study. <i>Journal of Energy Storage</i> , 2022, 48, 103991.	3.9	8
13	The Dynamic and Flexural Behavior of Coated GFRP Rebars after Exposure to Elevated Temperatures. <i>Coatings</i> , 2022, 12, 902.	1.2	2