

Mohamad Zaki Hassan

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

920
citations

471509

17
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

589
citing authors

#	ARTICLE	IF	CITATIONS
1	The low velocity impact response of foam-based sandwich panels. <i>Composites Science and Technology</i> , 2012, 72, 1781-1790.	7.8	130
2	Recent advancement in isolation, processing, characterization and applications of emerging nanocellulose: A review. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 954-976.	7.5	83
3	Recent advances in Ti-6Al-4V additively manufactured by selective laser melting for biomedical implants: Prospect development. <i>Journal of Alloys and Compounds</i> , 2022, 896, 163072.	5.5	75
4	Optimization of tensile behavior of banana pseudo-stem (<i>Musa acuminata</i>) fiber reinforced epoxy composites using response surface methodology. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3517-3528.	5.8	70
5	The influence of core density on the blast resistance of foam-based sandwich structures. <i>International Journal of Impact Engineering</i> , 2012, 50, 9-16.	5.0	63
6	Dynamic mechanical properties of natural fiber reinforced hybrid polymer composites: a review. <i>Journal of Materials Research and Technology</i> , 2022, 19, 167-182.	5.8	62
7	Mercerization Optimization of Bamboo (<i>Bambusa vulgaris</i>) Fiber-Reinforced Epoxy Composite Structures Using a Box-Behnken Design. <i>Polymers</i> , 2020, 12, 1367.	4.5	54
8	Bamboo-Fiber-Reinforced Thermoset and Thermoplastic Polymer Composites: A Review of Properties, Fabrication, and Potential Applications. <i>Polymers</i> , 2022, 14, 1387.	4.5	37
9	Influence of selective laser melting scanning speed parameter on the surface morphology, surface roughness, and micropores for manufactured Ti6Al4V parts. <i>Journal of Materials Research</i> , 2020, 35, 2025-2035.	2.6	35
10	Recent Progress of Rice Husk Reinforced Polymer Composites: A Review. <i>Polymers</i> , 2021, 13, 2391.	4.5	34
11	Coastal Structures as Beach Erosion Control and Sea Level Rise Adaptation in Malaysia: A Review. <i>Water (Switzerland)</i> , 2021, 13, 1741.	2.7	28
12	Scaling effects in the low velocity impact response of sandwich structures. <i>Composite Structures</i> , 2013, 99, 97-104.	5.8	25
13	Tensile behaviour for mercerization of single kenaf fiber. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2018, 14, 437-439.	0.8	24
14	Optimization on Tensile Properties of Kenaf/Multi-walled CNT Hybrid Composites with Box-Behnken Design. <i>Applied Composite Materials</i> , 2021, 28, 607-632.	2.5	23
15	Dynamic Mechanical Properties and Thermal Properties of Longitudinal Basalt/Woven Glass Fiber Reinforced Unsaturated Polyester Hybrid Composites. <i>Polymers</i> , 2021, 13, 3343.	4.5	23
16	Energy Revolution for Our Common Future: An Evaluation of the Emerging International Renewable Energy Law. <i>Energies</i> , 2018, 11, 1769.	3.1	22
17	Impact Damage Resistance and Post-Impact Tolerance of Optimum Banana-Pseudo-Stem-Fiber-Reinforced Epoxy Sandwich Structures. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 684.	2.5	20
18	Physicomechanical Properties of Rice Husk/Coco Peat Reinforced Acrylonitrile Butadiene Styrene Blend Composites. <i>Polymers</i> , 2021, 13, 1171.	4.5	18

#	ARTICLE	IF	CITATIONS
19	Analysis of Urban Morphological Effect on the Microclimate of the Urban Residential Area of Kampung Baru in Kuala Lumpur Using a Geospatial Approach. Sustainability, 2020, 12, 7301.	3.2	14
20	Surface enhancement of Ti-6Al-4V fabricated by selective laser melting on bone-like apatite formation. Journal of Materials Research and Technology, 2022, 19, 4018-4030.	5.8	12
21	Physical, Mechanical and Perforation Resistance of Natural-Synthetic Fiber Interply Laminate Hybrid Composites. Polymers, 2022, 14, 1322.	4.5	11
22	Assessment of Outdoor Air Temperature with Different Shaded Area within an Urban University Campus in Hot-Humid Climate. Sustainability, 2020, 12, 5741.	3.2	9
23	Mechanical Properties of PALF/Kevlar-Reinforced Unsaturated Polyester Hybrid Composite Laminates. Polymers, 2022, 14, 2468.	4.5	8
24	Characterization and Life Cycle Exergo-Environmental Analysis of Wood Pellet Biofuel Produced in Khyber Pakhtunkhwa, Pakistan. Sustainability, 2022, 14, 2082.	3.2	7
25	Recent development of natural fibre for nanocellulose extraction and application. Materials Today: Proceedings, 2022, 66, 2265-2273.	1.8	7
26	Dynamic instability response of smart composite material. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 302-310.	0.9	6
27	Strain rate effects in the indentation behavior of foam-based sandwich structures. Journal of Composite Materials, 2012, 46, 1191-1199.	2.4	5
28	The parametric instability improvement of fully anisotropic composite plates with embedded shape memory alloy. Advanced Composites Letters, 2020, 29, 2633366X1989940.	1.3	3
29	The Elastic Properties of Unidirectional Bamboo Fibre Reinforced Epoxy Composites. International Journal of Recent Technology and Engineering, 2019, 8, 7187-7193.	0.2	3
30	Mechanical properties under quasi-static loading of the core made of flax/poly(lactic acid) composite. Polimery, 2021, 66, 193-197.	0.7	2
31	Development of an Electrical Energy Consumption Model for Malaysian Households, Based on Techno-Socioeconomic Determinant Factors. Sustainability, 2021, 13, 13258.	3.2	2
32	Tensile behaviours of single-walled carbon nanotubes. Materialwissenschaft Und Werkstofftechnik, 2018, 49, 467-471.	0.9	1
33	Development of F-N-C-O Taguchi Method for Robust Measurement System Using a Case Study of T-Peel Test on Adhesion Strength. Applied Sciences (Switzerland), 2020, 10, 6203.	2.5	1
34	Mode I Fracture Toughness of Optimized Alkali-Treated Bambusa Vulgaris Bamboo by Box-Behnken Design. Lecture Notes in Mechanical Engineering, 2020, , 565-575.	0.4	1
35	Optimizing the Mercerisation Effect on the Mode I Fracture Toughness of Bambusa Vulgaris Bamboo Using Surface Response Method. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 112-129.	0.4	1
36	Harvesting Sustainable Energy from Salt Water: Part I - Effect of Types of Electrodes. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	A Pilot Study of Malnutrition Among Elderly in a Malaysia Elderly Care Centre - Part I: Assessment of Handgrip Strength Measurement. , 2018, , .		0