

Noorfaizal Yidris

List of Publications by Year in descending order

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papers

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430874

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times ranked

524
citing authors

#	ARTICLE	IF	CITATIONS
1	Woods and composites cantilever beam: A comprehensive review of experimental and numerical creep methodologies. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6759-6776.	5.8	102
2	Potential Application of Green Composites for Cross Arm Component in Transmission Tower: A Brief Review. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-15.	2.7	80
3	Integration of <scp>TRIZ</scp>, morphological chart and <scp>ANP</scp> method for development of <scp>FRP</scp> composite portable fire extinguisher. <i>Polymer Composites</i> , 2020, 41, 2917-2932.	4.6	78
4	Detection, Localisation and Assessment of Defects in Pipes Using Guided Wave Techniques: A Review. <i>Sensors</i> , 2018, 18, 4470.	3.8	66
5	Conceptual design of creep testing rig for full-scale cross arm using TRIZ-Morphological chart-analytic network process technique. <i>Journal of Materials Research and Technology</i> , 2019, 8, 5647-5658.	5.8	60
6	Comparison of Static and Long-term Creep Behaviors between Balau Wood and Glass Fiber Reinforced Polymer Composite for Cross-arm Application. <i>Fibers and Polymers</i> , 2021, 22, 793-803.	2.1	50
7	An Energy-Based Concept for Yielding of Multidirectional FRP Composite Structures Using a Mesoscale Lamina Damage Model. <i>Polymers</i> , 2020, 12, 157.	4.5	48
8	Conceptual design of multi-operation outdoor flexural creep test rig using hybrid concurrent engineering approach. <i>Journal of Materials Research and Technology</i> , 2020, 9, 2357-2368.	5.8	48
9	The failure of thin-walled lipped channel compression members due to coupled local-distortional interactions and material yielding. <i>Thin-Walled Structures</i> , 2012, 61, 14-21.	5.3	44
10	Utilization of Bracing Arms as Additional Reinforcement in Pultruded Glass Fiber-Reinforced Polymer Composite Cross-Arms: Creep Experimental and Numerical Analyses. <i>Polymers</i> , 2021, 13, 620.	4.5	42
11	Conceptual design of the cross-arm for the application in the transmission towers by using TRIZâ€“morphological chartâ€“ANP methods. <i>Journal of Materials Research and Technology</i> , 2020, 9, 9182-9188.	5.8	39
12	Effect of fiber loading directions on the low cycle fatigue of intraply carbon-Kevlar reinforced epoxy hybrid composites. <i>Composite Structures</i> , 2019, 212, 476-483.	5.8	35
13	Influence of Additional Bracing Arms as Reinforcement Members in Wooden Timber Cross-Arms on Their Long-Term Creep Responses and Properties. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2061.	2.5	34
14	Potential of Honeycomb-Filled Composite Structure in Composite Cross-Arm Component: A Review on Recent Progress and Its Mechanical Properties. <i>Polymers</i> , 2021, 13, 1341.	4.5	30
15	Advances of composite cross arms with incorporation of material core structures: Manufacturability, recent progress and views. <i>Journal of Materials Research and Technology</i> , 2021, 13, 1115-1131.	5.8	29
16	Creep test rig for cantilever beam: Fundamentals, prospects and present views. <i>Journal of Mechanical Engineering and Sciences</i> , 2020, 14, 6869-6887.	0.6	27
17	Experimental and numerical investigation of the mechanical behavior of full-scale wooden cross arm in the transmission towers in terms of load-deflection test. <i>Journal of Materials Research and Technology</i> , 2020, 9, 7937-7946.	5.8	26
18	Evaluation of Design and Simulation of Creep Test Rig for Full-Scale Crossarm Structure. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-10.	0.7	23

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19	Experimental and Numerical Analysis of Fatigue Life of Aluminum Al 2024-T351 at Elevated Temperature. <i>Metals</i> , 2020, 10, 1581.	2.3	16
20	Linear-Nonlinear Stiffness Responses of Carbon Fiber-Reinforced Polymer Composite Materials and Structures: A Numerical Study. <i>Polymers</i> , 2021, 13, 344.	4.5	16
21	The effects of local buckling and material yielding on the axial stiffness and failure of uniformly compressed I-section and box-section struts. <i>Thin-Walled Structures</i> , 2011, 49, 264-279.	5.3	14
22	The local-“overall flexural interaction of fixed-ended plain channel columns and the influence on behaviour of local conditions at the constituent plate ends. <i>Thin-Walled Structures</i> , 2014, 81, 132-137.	5.3	11
23	Experimental Investigation on the Mechanical Properties of a Sandwich Structure Made of Flax/Glass Hybrid Composite Facesheet and Honeycomb Core. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-10.	2.7	7
24	Hybridization of TRIZ and CAD-analysis at the conceptual design stage.. <i>International Journal of Computer Integrated Manufacturing</i> , 2019, 32, 890-899.	4.6	6
25	Investigation of Mechanical Properties of Honeycomb Sandwich Structure with Kenaf/glass Hybrid Composite Facesheet. <i>Journal of Natural Fibers</i> , 2022, 19, 4923-4937.	3.1	6
26	An investigation on longitudinal residual strains distribution of thin-walled press-braked cold formed steel sections using 3D FEM technique. <i>Heliyon</i> , 2018, 4, e00937.	3.2	5
27	The Effect of Layers and Bullet Type on Impact Properties of Glass Fibre Reinforced Polymer (GFRP) Using a Single Stage Gas Gun (SSGG). <i>Applied Mechanics and Materials</i> , 0, 564, 428-433.	0.2	4
28	Numerical Prediction of Residual Stresses Distribution in Thin-Walled Press-Braked Stainless Steel Sections. <i>Materials</i> , 2020, 13, 5378.	2.9	4
29	Quasi Static Analysis of a Biocomposite Aircraft Radome. <i>Applied Mechanics and Materials</i> , 0, 629, 78-81.	0.2	3
30	High Velocity Impact Test on Glass Fibre Reinforced Polymer (GFRP) Using a Single Stage Gas Gun (SSGG) - An Experimental Based Approach. <i>Applied Mechanics and Materials</i> , 0, 564, 376-381.	0.2	3
31	Impact Damage Analysis for Glass Reinforced Epoxy Laminated Plates Using Single Stage Gas Gun. <i>Applied Mechanics and Materials</i> , 0, 564, 382-387.	0.2	3
32	Investigation into the distribution of residual stresses in pressed-braked thin-walled steel lipped channel sections using the 3D-FEM technique. <i>Thin-Walled Structures</i> , 2019, 135, 437-445.	5.3	3
33	Study of Mosquito Aerodynamics for Imitation as a Small Robot and Flight in a Low-Density Environment. <i>Micromachines</i> , 2021, 12, 511.	2.9	3
34	Failure Mechanics of Uniformly Compressed Thin-Walled Box-Section Struts. <i>Applied Mechanics and Materials</i> , 0, 225, 172-177.	0.2	2
35	Local-Overall Flexural Interaction of Pinned-Ended Thin-Walled I-Section Columns. <i>Applied Mechanics and Materials</i> , 0, 564, 444-448.	0.2	2
36	The influence of post-local buckling mechanics on the stress variations, axial stiffness and ultimate failure strength of uniformly compressed thin-walled i-section struts. <i>Journal of Physics: Conference Series</i> , 2009, 181, 012031.	0.4	1

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37	Implementation of Extreme Low Power Micro-Controller for a Wireless Structural Health Monitoring (SHM) System. Applied Mechanics and Materials, 2012, 225, 344-349.	0.2	1
38	Damage Identification and Classification in CFRP Laminates – A SEM Based Study. Applied Mechanics and Materials, 2012, 225, 138-143.	0.2	0
39	A Study on the Effect of Upstream Square Blockage of a Rotating Cylinder. Applied Mechanics and Materials, 2012, 225, 13-17.	0.2	0
40	Damage Classification in CFRP Laminates Using Principal Component Analysis (PCA) Approach. Applied Mechanics and Materials, 0, 225, 189-194.	0.2	0
41	The Effects of Loading Conditions on the Behaviour of Fixed-Ended Plain Channel Columns. Materials, 2020, 13, 1441.	2.9	0