

# Amran B Ayob

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

396  
citations

840585

11  
h-index

839398

18  
g-index

35  
all docs

35  
docs citations

35  
times ranked

348  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel systematic numerical approach on determination of heat source parameters in welding process. Journal of Materials Research and Technology, 2022, 18, 4427-4444.	2.6	20
2	Thermal response analysis and parameter prediction of additively manufactured polymers. Applied Thermal Engineering, 2022, 212, 118533.	3.0	11
3	Influence of welding sequences on induced residual stress and distortion in pipes. Construction and Building Materials, 2022, 342, 127995.	3.2	9
4	Dynamic response of aluminium sheet 2024-T3 subjected to close-range shock wave: experimental and numerical studies. Journal of Materials Research and Technology, 2021, 10, 349-362.	2.6	6
5	Failure of Glass Fibre-Reinforced Polypropylene Metal Laminate Subjected to Close-Range Explosion. Polymers, 2020, 12, 2139.	2.0	7
6	Flexural and free vibration control of smart epoxy composite beams using shape memory alloy wires actuator. Journal of Intelligent Material Systems and Structures, 2020, 31, 1557-1566.	1.4	17
7	A novel smart assistive knee brace incorporated with shape memory alloy wire actuator. Journal of Intelligent Material Systems and Structures, 2020, 31, 1543-1556.	1.4	14
8	Uniaxial and biaxial ratcheting behavior of pressurized AISI 316L pipe under cyclic loading: Experiment and simulation. International Journal of Mechanical Sciences, 2020, 179, 105693.	3.6	22
9	Evaluation of Sensitivity and Calibration of the Chaboche Kinematic Hardening Model Parameters for Numerical Ratcheting Simulation. Applied Sciences (Switzerland), 2019, 9, 2578.	1.3	19
10	Numerical Investigation of Hybrid of Eglass and Basalt Fiber Reinforced Epoxy Tube Pressurized Internally. IOP Conference Series: Materials Science and Engineering, 2019, 638, 012012.	0.3	0
11	Optimization of Graded Metallic Foam Subjected to Impulsive Loading through DOE Approach. , 2018, , .		1
12	Thermo-mechanical behaviour of smart composite beam under quasi-static loading. Composite Structures, 2018, 201, 21-28.	3.1	7
13	Comparison of foam core sandwich panel and through-thickness polymer pin-reinforced foam core sandwich panel subject to indentation and flatwise compression loadings. Polymer Composites, 2016, 37, 612-619.	2.3	23
14	Flexural behavior of functionally graded slender beams with complex cross-section. Journal of Mechanics of Materials and Structures, 2015, 10, 1-16.	0.4	4
15	Effects of temperature change and beverage on mechanical and tribological properties of dental restorative composites. Materials Science and Engineering C, 2015, 54, 69-75.	3.8	44
16	Flatwise compression and flexural behavior of foam core and polymer pin-reinforced foam core composite sandwich panels. International Journal of Mechanical Sciences, 2014, 88, 138-144.	3.6	49
17	Flexural and tensile behaviour of kenaf fibre composite materials. Materials Research Innovations, 2014, 18, S6-184-S6-186.	1.0	1
18	The Instability Improvement of the Shape Memory Alloy Composite Plates Subjected to In-Plane Parabolic Temperature Distribution. Applied Mechanics and Materials, 2014, 554, 32-36.	0.2	4

#	ARTICLE	IF	CITATIONS
19	Tensile Test Machine for Unsymmetrical Materials. <i>Experimental Mechanics</i> , 2014, 54, 689-694.	1.1	9
20	Mechanical properties of potentially-smart carbon/epoxy composites with asymmetrically embedded shape memory wires. <i>Materials &amp; Design</i> , 2014, 59, 486-493.	5.1	21
21	The Instability Improvement of the Symmetric Angle-Ply and Cross-Ply Composite Plates with Shape Memory Alloy Using Finite Element Method. <i>Advances in Mechanical Engineering</i> , 2014, 6, 632825.	0.8	7
22	Static Analysis of Stitched Sandwich Beams with Functionally Graded Foam Core. <i>Applied Mechanics and Materials</i> , 2013, 393, 381-386.	0.2	3
23	Paraffinic mineral oil lubrication for cold forward extrusion: Effect of lubricant quantity and friction. <i>Tribology International</i> , 2013, 60, 111-115.	3.0	38
24	Effect of Ply Thickness on Displacements and Stresses in Laminated GFRP Cylinder Subjected to Radial Load. <i>Advanced Materials Research</i> , 2012, 488-489, 367-371.	0.3	8
25	Multi-objective optimisation of electrical discharge machining of metal matrix composite Al/SiC using non-dominated sorting genetic algorithm. <i>International Journal of Mechatronics and Manufacturing Systems</i> , 2012, 5, 385.	0.1	13
26	Comparison of Intelligent Optimization Algorithms for Wire Electrical Discharge Machining Parameters. , 2011, , .		3
27	Modeling and optimization of cylindrical wire electro discharge machining of AISI D3 tool steel using non-dominated sorting genetic algorithm. <i>Proceedings of SPIE</i> , 2011, , .	0.8	4
28	The Effect of D/T on the Load Interaction Behavior of a Plain Pipe. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2004, 126, 518-522.	0.4	2
29	The interaction of pressure, in-plane moment and torque loadings on piping elbows. <i>International Journal of Pressure Vessels and Piping</i> , 2003, 80, 861-869.	1.2	10
30	Mechanical Response of Laminated Composite Cylindrical Shell Subjected to Radial Patch Loading. <i>Applied Mechanics and Materials</i> , 0, 229-231, 292-296.	0.2	0
31	Mechanical Behavior of GFRP Laminated Composite Pipe Subjected to Uniform Radial Patch Load. <i>Advanced Materials Research</i> , 0, 488-489, 542-546.	0.3	10
32	Dynamic Response of Laminated Composite Cylindrical Shell Subjected to Pure Impact. <i>Applied Mechanics and Materials</i> , 0, 229-231, 2577-2581.	0.2	1
33	Optimization of Machining Parameters during Drilling of 7075 Aluminium Alloy. <i>Applied Mechanics and Materials</i> , 0, 248, 20-25.	0.2	5
34	Mechanical Behavior of Composite Plate under Combined Impact and Internal Pressure. <i>Applied Mechanics and Materials</i> , 0, 229-231, 732-736.	0.2	1
35	Mechanical Behavior of Composite Multilayered Basalt/E-Glass/Epoxy Pipe under Internal Pressure. <i>Advanced Materials Research</i> , 0, 1125, 227-234.	0.3	3