

Aidy Ali

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1993455/publications.pdf>

Version: 2024-02-01

103
papers

1,769
citations

331259

21
h-index

301761

39
g-index

103
all docs

103
docs citations

103
times ranked

1580
citing authors

#	ARTICLE	IF	CITATIONS
1	Ballistic impact properties of woven bamboo- woven E-glass- unsaturated polyester hybrid composites. Defence Technology, 2019, 15, 282-294.	2.1	29
2	Development and mechanical characterization of green bamboo composites. AIP Conference Proceedings, 2018, , .	0.3	5
3	Fracture properties of hybrid woven bamboo/woven e-glass fiber composites. International Journal of Structural Integrity, 2018, 9, 491-519.	1.8	4
4	Mechanical Properties of Layered Laminated Woven Bamboo Gigantochloa Scortechinii/Epoxy Composites. Journal of Polymers and the Environment, 2018, 26, 1328-1342.	2.4	13
5	Thermal analysis of organically modified Ca ²⁺ -montmorillonite using DSC and TSC techniques. Journal of Thermal Analysis and Calorimetry, 2017, 128, 135-140.	2.0	5
6	Correlations between Axial and Oblique Loaded Column. MATEC Web of Conferences, 2017, 95, 07004.	0.1	0
7	Fatigue and Fracture Properties of Laminated Bamboo Strips from Gigantochloa scortechinii Polyester Composites. BioResources, 2016, 11, .	0.5	14
8	The Effects of Combined Chemical Treatments on the Mechanical Properties of Three Grades of Sisal. BioResources, 2016, 11, .	0.5	1
9	Feasibility study on wave energy power plant with oscillating water column system in Bawean Island Seas Indonesia. AIP Conference Proceedings, 2016, , .	0.3	1
10	Effect of fiber loading on the mechanical properties of bagasse fiber reinforced polypropylene composites. Advances in Mechanical Engineering, 2016, 8, 168781401666425.	0.8	33
11	ASSESSMENT OF HEAD INJURY CRITERIA AND CHEST SEVERITY INDEX FOR FRONTAL IMPACT. Journal of Mechanical Engineering and Sciences, 2015, 8, 1376-1382.	0.3	1
12	Mechanical properties of laminated bamboo strips from Gigantochloa Scortechinii/polyester composites. Materials & Design, 2014, 57, 551-559.	5.1	46
13	The Effect of Automotive Side Member Filling on Car Frontal Impact Performance. Journal of Mechanical Engineering and Sciences, 2014, 6, 873-880.	0.3	6
14	Enhanced Tensile Properties of Stone Wool Fiber-Reinforced High Density Polyethylene (HDPE) Composites. Materialpruefung/Materials Testing, 2014, 56, 150-154.	0.8	7
15	Creep Test of Type Austenitic 316LStainless Steel at High Temperature. Applied Mechanics and Materials, 2013, 368-370, 708-711.	0.2	1
16	The Use of Infrared Thermography in Detecting the Defects in Kenaf-Poly Urethane Composites. Polymer-Plastics Technology and Engineering, 2012, 51, 1155-1162.	1.9	9
17	Fatigue behavior of Austenitic Type 316L Stainless Steel. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012012.	0.3	13
18	Performance of Aluminium Alloy Side Door Subjected to Pole Impact Test. Applied Mechanics and Materials, 2012, 165, 280-284.	0.2	4

#	ARTICLE	IF	CITATIONS
19	Analysis on Impact Performance of Aluminum Automotive Side Member. Applied Mechanics and Materials, 2012, 165, 209-213.	0.2	0
20	Experimental investigation on effective detection of delamination in gfrp composites using taguchi method. Advances in Materials Science, 2012, 12, .	0.4	2
21	Detection of Defects in Kenaf/Epoxy using Infrared Thermal Imaging Technique. Procedia Chemistry, 2012, 4, 172-178.	0.7	24
22	The effect of ceramic in combinations of two sigmoid functionally graded rotating disks with variable thickness. Scientific Research and Essays, 2012, 7, .	0.1	8
23	Ballistic impact performance of Kevlar-29 and Al ₂ O ₃ powder/epoxy targets under high velocity impact. Materials & Design, 2012, 35, 12-19.	5.1	60
24	Development process of new bumper beam for passenger car: A review. Materials & Design, 2012, 40, 304-313.	5.1	54
25	Effect of polybutylene terephthalate (PBT) on impact property improvement of hybrid kenaf/glass epoxy composite. Materials Letters, 2012, 67, 5-7.	1.3	73
26	Fabrication of Al/Al ₂ O ₃ FGM Rotating Disc. International Journal of Automotive and Mechanical Engineering, 2012, 5, 622-629.	0.5	8
27	Performance of Automotive Composite Bumper Beams and Hood Subjected to Frontal Impacts. Materialpruefung/Materials Testing, 2012, 54, 19-25.	0.8	5
28	Impact Resistance of Armor Composite Made of Kevlar29 and Al ₂ O ₃ Powder. Materialpruefung/Materials Testing, 2012, 54, 169-174.	0.8	1
29	Detection of Defects in Natural Composite Materials Using Thermal Imaging Technique. Materialpruefung/Materials Testing, 2012, 54, 340-346.	0.8	4
30	Ultrasonic NDE for Internal Defect Detection in Multi-layered Composite Materials by Multi-resolution Signal Decomposition. Journal of Applied Sciences, 2012, 13, 87-94.	0.1	3
31	Fatigue Behavior of Kenaf Fibre Reinforced Epoxy Composites. Engineering Journal, 2012, 16, 105-114.	0.5	25
32	Effects of Fiber Volume Fraction on Unidirectional Kenaf/Epoxy Composites: The Transition Region. Polymer-Plastics Technology and Engineering, 2011, 50, 1362-1366.	1.9	32
33	Analytical and Numerical Investigation of Fatigue Crack Growth in Aluminum Alloy. Key Engineering Materials, 2011, 462-463, 1050-1055.	0.4	2
34	Development of Anti-Ballistic Board from Ramie Fiber. Polymer-Plastics Technology and Engineering, 2011, 50, 622-634.	1.9	50
35	The effect of processing parameters on the mechanical properties of kenaf fibre plastic composite. Materials & Design, 2011, 32, 1039-1043.	5.1	73
36	Variation of Stress Intensity Factor through the Thickness of Plate. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012004.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Chemical Characterisation of Printed Circuit Board Wastewater. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012021.	0.3	2
38	Microscopic Study of 5083-H321 Aluminium Alloy Under Fretting Fatigue Condition. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012026.	0.3	1
39	Axial Crush of the Tubular Structure with Various Cee-Shaped Cross-Sections. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012039.	0.3	0
40	Non-destructive Inspection of Multi-layered Composite Using Ultrasonic Signal Processing. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012045.	0.3	10
41	Concept selection of car bumper beam with developed hybrid bio-composite material. Materials & Design, 2011, 32, 4857-4865.	5.1	137
42	Modeling of residual stress relaxation of fatigue in 2024-T351 aluminium alloy. International Journal of Fatigue, 2011, 33, 279-285.	2.8	63
43	Durability of automotive jounce bumper. Materials & Design, 2011, 32, 1001-1005.	5.1	12
44	Influence of microstructures on fatigue damage mechanisms in Ti-15-3 alloy. Materials & Design, 2011, 32, 1456-1461.	5.1	16
45	Application of acoustic emission technique to observe the engine oil's viscosity. , 2011, , .		5
46	Life Prediction of Rubber Automotive Components Using Finite Element Method. Key Engineering Materials, 2011, 462-463, 535-540.	0.4	0
47	Prediction of Residual Stress Relaxation of Shot Peened 2024-T351 Aluminum Alloy: Part 2. Key Engineering Materials, 2011, 462-463, 1349-1354.	0.4	0
48	The Effect of Eva on Composite that Made of PP Nanoclay. Key Engineering Materials, 2011, 462-463, 925-930.	0.4	3
49	Characterization of Shot Peened 2024-T351 Aluminum Alloy. Key Engineering Materials, 2011, 462-463, 912-917.	0.4	2
50	Auto Adjust Masses of Automotive Structures with Desired Centre of Gravity. Key Engineering Materials, 2011, 462-463, 812-816.	0.4	0
51	Prediction of Residual Stress Relaxation of Shot Peened 2024-T351 Aluminum Alloy: Part 1. Key Engineering Materials, 2011, 462-463, 1355-1360.	0.4	0
52	Deflection Analysis of the Thin-Web Workpiece Structure Using Similarity Concept. Advanced Materials Research, 2011, 337, 479-488.	0.3	2
53	Development of Green Insulation Boards from Kenaf Fibres and Polyurethane. Polymer-Plastics Technology and Engineering, 2011, 50, 613-621.	1.9	21
54	Experimental Determination of Fatigue Life of Automotive Jounce Bumper. Key Engineering Materials, 2011, 462-463, 634-638.	0.4	3

#	ARTICLE	IF	CITATIONS
55	Fatigue strength improvement of MIG-welded joint by shot peening. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012001.	0.3	1
56	Investigation of Creep Fatigue Crack Propagation in Aluminium Tube. Key Engineering Materials, 2011, 462-463, 541-546.	0.4	0
57	Feasibility Study of Processing Natural Fiber Reinforced Plastic Composite by Injection Molding. Materialpruefung/Materials Testing, 2011, 53, 229-232.	0.8	3
58	Optimization of Compression Moulding Temperature for Polypropylene Materials. Materialpruefung/Materials Testing, 2011, 53, 280-284.	0.8	4
59	Kenaf Performance in PP/EVA/Clay Biocomposite. Materialpruefung/Materials Testing, 2011, 53, 364-368.	0.8	1
60	Crash of automotive side member subjected to oblique loading. African Journal of Business Management, 2011, 6, .	0.4	2
61	Stress-strain modelling of reinforced concrete membrane structures. International Journal of Physical Sciences, 2011, 6, .	0.1	1
62	Thermoplastic impact property improvement in hybrid natural fibre epoxy composite bumper beam. IOP Conference Series: Materials Science and Engineering, 2010, 11, 012013.	0.3	9
63	Simulation and Experimental Work on a Thin-Walled Structure Under Crushing. Journal of Failure Analysis and Prevention, 2010, 10, 143-151.	0.5	4
64	Developing a hybrid, carbon/glass fiber-reinforced, epoxy composite automotive drive shaft. Materials & Design, 2010, 31, 514-521.	5.1	113
65	The effect of controlled shot peening on fusion welded joints. Materials & Design, 2010, 31, 312-324.	5.1	19
66	Developing a composite based elliptic spring for automotive applications. Materials & Design, 2010, 31, 475-484.	5.1	31
67	The effect of aging on Arenga pinnata fiber-reinforced epoxy composite. Materials & Design, 2010, 31, 3550-3554.	5.1	29
68	Mechanical properties of hybrid kenaf/glass reinforced epoxy composite for passenger car bumper beam. Materials & Design, 2010, 31, 4927-4932.	5.1	316
69	Continuum damage mechanics modeling for fatigue life of elastomeric materials. International Journal of Structural Integrity, 2010, 1, 63-72.	1.8	7
70	Fatigue life of automotive rubber jounce bumper. IOP Conference Series: Materials Science and Engineering, 2010, 11, 012008.	0.3	2
71	Simulation work of fatigue life prediction of rubber automotive components. IOP Conference Series: Materials Science and Engineering, 2010, 11, 012009.	0.3	1
72	Finite element analysis of composites materials for aerospace applications. IOP Conference Series: Materials Science and Engineering, 2010, 11, 012010.	0.3	28

#	ARTICLE	IF	CITATIONS
73	Strength Investigation of Thick Welded T-Joint using Finite Element Modelling. Defence Science Journal, 2010, 60, 112-118.	0.5	0
74	Residual Stress Relaxation and Surface Hardness of a 2024-t351 Aluminium Alloy. Materialpruefung/Materials Testing, 2010, 52, 632-639.	0.8	2
75	AUTO GENERATION OF THE CENTER OF GRAVITY OF TUBULAR STRUCTURES DURING CRUSH DEFORMATION. International Journal of Computational Methods, 2009, 06, 333-348.	0.8	2
76	Computational Investigation of Crack Behavior in Friction Stir Welding. Simulation, 2009, 85, 45-59.	1.1	8
77	Bending analysis of a functionally graded rotating disk based on the first order shear deformation theory. Applied Mathematical Modelling, 2009, 33, 4215-4230.	2.2	36
78	Application of Numerical Method to Investigation of Fatigue Crack Behavior Through Friction Stir Welding. Journal of Failure Analysis and Prevention, 2009, 9, 147-158.	0.5	5
79	Thermoelastic solution of a functionally graded variable thickness rotating disk with bending based on the first-order shear deformation theory. Thin-Walled Structures, 2009, 47, 568-582.	2.7	60
80	Modelling the fatigue crack growth in friction stir welded joint of 2024-T351 Al alloy. Materials & Design, 2009, 30, 2928-2937.	5.1	26
81	Analysis of Fatigue Crack Growth in Friction Stir Welded Joints of 2024 Al Alloy. , 2009, , .		0
82	Relaxation of Residual Stress Part 2: Relaxation of Stage 2. American Journal of Engineering and Applied Sciences, 2009, 2, 759-763.	0.3	4
83	Modelling of crack coalescence in 2024-T351 Al alloy friction stir welded joints. International Journal of Fatigue, 2008, 30, 2030-2043.	2.8	14
84	Design and modeling of one-port SAW Resonator at 2.45 GHz for wireless application base on GaPO ₄ , 2008, , .		0
85	AHP approach for supplier evaluation and selection in a steel manufacturing company. Journal of Industrial Engineering and Management, 2008, 1, .	1.0	23
86	The effect of controlled shot peening on the fatigue behaviour of 2024-T3 aluminium friction stir welds. International Journal of Fatigue, 2007, 29, 1531-1545.	2.8	72
87	Characterization of 2024-T351 friction stir welding joints. Journal of Failure Analysis and Prevention, 2006, 6, 83-96.	0.5	19
88	Non-Destructive Techniques (NDT) in Composite Materials. Key Engineering Materials, 0, 462-463, 918-924.	0.4	6
89	A Review of Non-Destructive Thermography Techniques Toward Structural Integrity of Bio-Composites. Key Engineering Materials, 0, 471-472, 103-108.	0.4	2
90	Micro-Hardness and Residual Stress Relaxation of 2024 T351 Aluminum Alloy. Key Engineering Materials, 0, 462-463, 343-348.	0.4	2

#	ARTICLE	IF	CITATIONS
91	Experimental and Analytical Studies of Fatigue Crack Growth in Peened after Skimmed Friction Stir Welded Joint of 2024-T351 Al Alloy. Key Engineering Materials, 0, 462-463, 1212-1217.	0.4	1
92	Development of Green Insulation Boards from Kenaf Fibres Part 1: Development and Characterization of Mechanical Properties. Key Engineering Materials, 0, 462-463, 1343-1348.	0.4	0
93	Development of Green Insulation Boards from Kenaf Fibres Part 2: Characterizations of Thermal and Water Absorption. Key Engineering Materials, 0, 462-463, 1331-1336.	0.4	4
94	Introducing Fatigue Contour Plot in LS-Pre Post LSDYNA Finite Element Crash Simulation Software. Applied Mechanics and Materials, 0, 165, 275-279.	0.2	1
95	Defect Reconstruction in Laminated Composites by Ultrasonic Imaging. Applied Mechanics and Materials, 0, 263-266, 371-377.	0.2	0
96	Determination of Leg Injury Criteria Subjected to Frontal Impacts. Applied Mechanics and Materials, 0, 165, 265-269.	0.2	1
97	A Study of Fatigue Life of Kenaf Fibre Composites. Advanced Materials Research, 0, 576, 757-760.	0.3	1
98	Performance of Hood System and Head Injury Criteria Subjected to Frontal Impacts. Applied Mechanics and Materials, 0, 165, 270-274.	0.2	4
99	Fatigue Life for Type 316L Stainless Steel under Cyclic Loading. Advanced Materials Research, 0, 701, 77-81.	0.3	10
100	Energy Absorption of Partially Filled Side Member Subjected to Oblique Crash. Applied Mechanics and Materials, 0, 564, 38-41.	0.2	1
101	Mechanical and Fracture Surface Analysis of Higher Viscous Epoxy/Multiwalled Carbon Nanotube Nanocomposites Subjected to Flexural Loading. , 0, , .		0
102	A Study on Mechanical Behaviour of Surface Modified Rice Husk/Polypropylene Composite Using Sodium Hydroxide. International Journal of Engineering and Technologies, 0, 8, 72-82.	0.0	0
103	Simulation and Experimental of Crack Propagation in Automotive Engineering Component. Key Engineering Materials, 0, 908, 467-472.	0.4	1