

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	Mechanical properties of hybrid kenaf/glass reinforced epoxy composite for passenger car bumper beam. <i>Materials & Design</i> , 2010, 31, 4927-4932.	5.1	316
2	Concept selection of car bumper beam with developed hybrid bio-composite material. <i>Materials & Design</i> , 2011, 32, 4857-4865.	5.1	137
3	Developing a hybrid, carbon/glass fiber-reinforced, epoxy composite automotive drive shaft. <i>Materials & Design</i> , 2010, 31, 514-521.	5.1	113
4	The effect of processing parameters on the mechanical properties of kenaf fibre plastic composite. <i>Materials & Design</i> , 2011, 32, 1039-1043.	5.1	73
5	Effect of polybutylene terephthalate (PBT) on impact property improvement of hybrid kenaf/glass epoxy composite. <i>Materials Letters</i> , 2012, 67, 5-7.	1.3	73
6	The effect of controlled shot peening on the fatigue behaviour of 2024-T3 aluminium friction stir welds. <i>International Journal of Fatigue</i> , 2007, 29, 1531-1545.	2.8	72
7	Modeling of residual stress relaxation of fatigue in 2024-T351 aluminium alloy. <i>International Journal of Fatigue</i> , 2011, 33, 279-285.	2.8	63
8	Thermoelastic solution of a functionally graded variable thickness rotating disk with bending based on the first-order shear deformation theory. <i>Thin-Walled Structures</i> , 2009, 47, 568-582.	2.7	60
9	Ballistic impact performance of Kevlar-29 and Al ₂ O ₃ powder/epoxy targets under high velocity impact. <i>Materials & Design</i> , 2012, 35, 12-19.	5.1	60
10	Development process of new bumper beam for passenger car: A review. <i>Materials & Design</i> , 2012, 40, 304-313.	5.1	54
11	Development of Anti-Ballistic Board from Ramie Fiber. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 622-634.	1.9	50
12	Mechanical properties of laminated bamboo strips from <i>Gigantochloa Scortechinii</i> /polyester composites. <i>Materials & Design</i> , 2014, 57, 551-559.	5.1	46
13	Bending analysis of a functionally graded rotating disk based on the first order shear deformation theory. <i>Applied Mathematical Modelling</i> , 2009, 33, 4215-4230.	2.2	36
14	Effect of fiber loading on the mechanical properties of bagasse fiber-reinforced polypropylene composites. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401666425.	0.8	33
15	Effects of Fiber Volume Fraction on Unidirectional Kenaf/Epoxy Composites: The Transition Region. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 1362-1366.	1.9	32
16	Developing a composite based elliptic spring for automotive applications. <i>Materials & Design</i> , 2010, 31, 475-484.	5.1	31
17	The effect of aging on <i>Arenga pinnata</i> fiber-reinforced epoxy composite. <i>Materials & Design</i> , 2010, 31, 3550-3554.	5.1	29
18	Ballistic impact properties of woven bamboo- woven E-glass- unsaturated polyester hybrid composites. <i>Defence Technology</i> , 2019, 15, 282-294.	2.1	29

#	ARTICLE	IF	CITATIONS
19	Finite element analysis of composites materials for aerospace applications. IOP Conference Series: Materials Science and Engineering, 2010, 11, 012010.	0.3	28
20	Modelling the fatigue crack growth in friction stir welded joint of 2024-T351 Al alloy. Materials & Design, 2009, 30, 2928-2937.	5.1	26
21	Fatigue Behavior of Kenaf Fibre Reinforced Epoxy Composites. Engineering Journal, 2012, 16, 105-114.	0.5	25
22	Detection of Defects in Kenaf/Epoxy using Infrared Thermal Imaging Technique. Procedia Chemistry, 2012, 4, 172-178.	0.7	24
23	AHP approach for supplier evaluation and selection in a steel manufacturing company. Journal of Industrial Engineering and Management, 2008, 1, .	1.0	23
24	Development of Green Insulation Boards from Kenaf Fibres and Polyurethane. Polymer-Plastics Technology and Engineering, 2011, 50, 613-621.	1.9	21
25	Characterization of 2024-T351 friction stir welding joints. Journal of Failure Analysis and Prevention, 2006, 6, 83-96.	0.5	19
26	The effect of controlled shot peening on fusion welded joints. Materials & Design, 2010, 31, 312-324.	5.1	19
27	Influence of microstructures on fatigue damage mechanisms in Ti-15-3 alloy. Materials & Design, 2011, 32, 1456-1461.	5.1	16
28	Modelling of crack coalescence in 2024-T351 Al alloy friction stir welded joints. International Journal of Fatigue, 2008, 30, 2030-2043.	2.8	14
29	Fatigue and Fracture Properties of Laminated Bamboo Strips from Gigantochloa scortechinii Polyester Composites. BioResources, 2016, 11, .	0.5	14
30	Fatigue behavior of Austenitic Type 316L Stainless Steel. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012012.	0.3	13
31	Mechanical Properties of Layered Laminated Woven Bamboo Gigantochloa Scortechinii/Epoxy Composites. Journal of Polymers and the Environment, 2018, 26, 1328-1342.	2.4	13
32	Durability of automotive jounce bumper. Materials & Design, 2011, 32, 1001-1005.	5.1	12
33	Non-destructive Inspection of Multi-layered Composite Using Ultrasonic Signal Processing. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012045.	0.3	10
34	Fatigue Life for Type 316L Stainless Steel under Cyclic Loading. Advanced Materials Research, 0, 701, 77-81.	0.3	10
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Computational Investigation of Crack Behavior in Friction Stir Welding. Simulation, 2009, 85, 45-59.	1.1	8
38	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
39	Fabrication of Al/Al ₂ O ₃ FGM Rotating Disc. International Journal of Automotive and Mechanical Engineering, 2012, 5, 622-629.	0.5	8
40	Continuum damage mechanics modeling for fatigue life of elastomeric materials. International Journal of Structural Integrity, 2010, 1, 63-72.	1.8	7
41	Enhanced Tensile Properties of Stone Wool Fiber-Reinforced High Density Polyethylene (HDPE) Composites. Materialpruefung/Materials Testing, 2014, 56, 150-154.	0.8	7
42	Non-Destructive Techniques (NDT) in Composite Materials. Key Engineering Materials, 0, 462-463, 918-924.	0.4	6
43	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
44	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
45	Application of acoustic emission technique to observe the engine oil's viscosity. , 2011, , .		5
46	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
47	Development and mechanical characterization of green bamboo composites. AIP Conference Proceedings, 2018, , .	0.3	5
48	Performance of Automotive Composite Bumper Beams and Hood Subjected to Frontal Impacts. Materialpruefung/Materials Testing, 2012, 54, 19-25.	0.8	5
49	Simulation and Experimental Work on a Thin-Walled Structure Under Crushing. Journal of Failure Analysis and Prevention, 2010, 10, 143-151.	0.5	4
50	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
51	Performance of Aluminium Alloy Side Door Subjected to Pole Impact Test. Applied Mechanics and Materials, 2012, 165, 280-284.	0.2	4
52	Performance of Hood System and Head Injury Criteria Subjected to Frontal Impacts. Applied Mechanics and Materials, 0, 165, 270-274.	0.2	4
53	Fracture properties of hybrid woven bamboo/woven e-glass fiber composites. International Journal of Structural Integrity, 2018, 9, 491-519.	1.8	4
54	Optimization of Compression Moulding Temperature for Polypropylene Materials. Materialpruefung/Materials Testing, 2011, 53, 280-284.	0.8	4

#	ARTICLE	IF	CITATIONS
55	Detection of Defects in Natural Composite Materials Using Thermal Imaging Technique. Materialpruefung/Materials Testing, 2012, 54, 340-346.	0.8	4
56	Relaxation of Residual Stress Part 2: Relaxation of Stage 2. American Journal of Engineering and Applied Sciences, 2009, 2, 759-763.	0.3	4
57	The Effect of Eva on Composite that Made of PP Nanoclay. Key Engineering Materials, 2011, 462-463, 925-930.	0.4	3
58	Experimental Determination of Fatigue Life of Automotive Jounce Bumper. Key Engineering Materials, 2011, 462-463, 634-638.	0.4	3
59	Feasibility Study of Processing Natural Fiber Reinforced Plastic Composite by Injection Molding. Materialpruefung/Materials Testing, 2011, 53, 229-232.	0.8	3
60	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
61	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
62	Fatigue life of automotive rubber jounce bumper. IOP Conference Series: Materials Science and Engineering, 2010, 11, 012008.	0.3	2
63	Analytical and Numerical Investigation of Fatigue Crack Growth in Aluminum Alloy. Key Engineering Materials, 2011, 462-463, 1050-1055.	0.4	2
64	Chemical Characterisation of Printed Circuit Board Wastewater. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012021.	0.3	2
65	A Review of Non-Destructive Thermography Techniques Toward Structural Integrity of Bio-Composites. Key Engineering Materials, 0, 471-472, 103-108.	0.4	2
66	Micro-Hardness and Residual Stress Relaxation of 2024 T351 Aluminum Alloy. Key Engineering Materials, 0, 462-463, 343-348.	0.4	2
67	Characterization of Shot Peened 2024-T351 Aluminum Alloy. Key Engineering Materials, 2011, 462-463, 912-917.	0.4	2
68	Deflection Analysis of the Thin-Web Workpiece Structure Using Similarity Concept. Advanced Materials Research, 2011, 337, 479-488.	0.3	2
69	Experimental investigation on effective detection of delamination in gfrp composites using taguchi method. Advances in Materials Science, 2012, 12, .	0.4	2
70	Residual Stress Relaxation and Surface Hardness of a 2024-t351 Aluminium Alloy. Materialpruefung/Materials Testing, 2010, 52, 632-639.	0.8	2
71	Crash of automotive side member subjected to oblique loading. African Journal of Business Management, 2011, 6, .	0.4	2
72	Simulation work of fatigue life prediction of rubber automotive components. IOP Conference Series: Materials Science and Engineering, 2010, 11, 012009.	0.3	1

#	ARTICLE	IF	CITATIONS
73	Microscopic Study of 5083-H321 Aluminium Alloy Under Fretting Fatigue Condition. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012026.	0.3	1
74	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
75	Fatigue strength improvement of MIG-welded joint by shot peening. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012001.	0.3	1
76	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
77	Determination of Leg Injury Criteria Subjected to Frontal Impacts. Applied Mechanics and Materials, 0, 165, 265-269.	0.2	1
78	A Study of Fatigue Life of Kenaf Fibre Composites. Advanced Materials Research, 0, 576, 757-760.	0.3	1
79	Creep Test of Type Austenitic 316L Stainless Steel at High Temperature. Applied Mechanics and Materials, 2013, 368-370, 708-711.	0.2	1
80	Energy Absorption of Partially Filled Side Member Subjected to Oblique Crash. Applied Mechanics and Materials, 0, 564, 38-41.	0.2	1
81	The Effects of Combined Chemical Treatments on the Mechanical Properties of Three Grades of Sisal. BioResources, 2016, 11, .	0.5	1
82	Feasibility study on wave energy power plant with oscillating water column system in Bawean Island Seas Indonesia. AIP Conference Proceedings, 2016, , .	0.3	1
83	Kenaf Performance in PP/EVA/Clay Biocomposite. Materialpruefung/Materials Testing, 2011, 53, 364-368.	0.8	1
84	Impact Resistance of Armor Composite Made of Kevlar29 and Al ₂ O ₃ Powder. Materialpruefung/Materials Testing, 2012, 54, 169-174.	0.8	1
85	Stress-strain modelling of reinforced concrete membrane structures. International Journal of Physical Sciences, 2011, 6, .	0.1	1
86	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
87	Simulation and Experimental of Crack Propagation in Automotive Engineering Component. Key Engineering Materials, 0, 908, 467-472.	0.4	1
88	Design and modeling of one-port SAW Resonator at 2.45 GHz for wireless application base on GaP _{0.4} . , 2008, , .		0
89	Analysis of Fatigue Crack Growth in Friction Stir Welded Joints of 2024 Al Alloy. , 2009, , .		0
90	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
91	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
92	Life Prediction of Rubber Automotive Components Using Finite Element Method. Key Engineering Materials, 2011, 462-463, 535-540.	0.4	0
93	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
94	Auto Adjust Masses of Automotive Structures with Desired Centre of Gravity. Key Engineering Materials, 2011, 462-463, 812-816.	0.4	0
95	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
96	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
97	Investigation of Creep Fatigue Crack Propagation in Aluminium Tube. Key Engineering Materials, 2011, 462-463, 541-546.	0.4	0
98	Defect Reconstruction in Laminated Composites by Ultrasonic Imaging. Applied Mechanics and Materials, 0, 263-266, 371-377.	0.2	0
99	Analysis on Impact Performance of Aluminum Automotive Side Member. Applied Mechanics and Materials, 2012, 165, 209-213.	0.2	0
100	Correlations between Axial and Oblique Loaded Column. MATEC Web of Conferences, 2017, 95, 07004.	0.1	0
101	Mechanical and Fracture Surface Analysis of Higher Viscous Epoxy/Multiwalled Carbon Nanotube Nanocomposites Subjected to Flexural Loading. , 0, , .		0
102	Strength Investigation of Thick Welded T-Joint using Finite Element Modelling. Defence Science Journal, 2010, 60, 112-118.	0.5	0
103	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