

# Abdul Maleque

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92  
papers

1,852  
citations

21  
h-index

41  
g-index

97  
ext. papers

2,081  
ext. citations

1.6  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
92	Demographic Changes by the Vickers Microhardness Surface Indentations on the TiC Metal Matrix Composite TIG Melted Track. <i>Lecture Notes in Mechanical Engineering</i> , <b>2022</b> , 230-235	0.4	
91	Effective Parameter of Nano-CuO Coating on CO Gas-Sensing Performance and Heat Transfer Efficiency. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 6557-6566	2.5	2
90	Sliding Wear of SiC Reinforced Duplex Stainless Steel via TIG Torch Surface Melting Technique. <i>Recent Patents on Engineering</i> , <b>2021</b> , 14, 366-372	0.3	
89	Influence of agro-based reinforcements on the properties of aluminum matrix composites: a systematic review. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 16195-16222	4.3	4
88	Review on advances in porous Al composites and the possible way forward. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 2017-2038	5.5	4
87	Interface Study of SiCp/6061Al Composite <b>2020</b> , 456-461		
86	Particulate Composite Protective Coating Using Conventional Melting Approach <b>2020</b> , 510-516		
85	TIG Torch Melting as Surface Engineering Technology <b>2020</b> , 629-637		
84	Processing of Ceramic Composite Coating via TIG Torch Welding Technique <b>2020</b> , 523-535		1
83	TIG torch surfacing of metallic materials a critical review. <i>Transactions of the Institute of Metal Finishing</i> , <b>2019</b> , 97, 12-21	1.3	6
82	Melting of SiC powders preplaced duplex stainless steel using TIG welding. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 290, 012018	0.4	2
81	An Investigation of TIG welding parameters on microhardness and microstructure of heat affected zone of HSLA steel. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 290, 012041	0.4	4
80	Nitride alloy layer formation of duplex stainless steel using nitriding process. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 290, 012015	0.4	1
79	The properties of hydroxyapatite ceramic coatings produced by plasma electrolytic oxidation. <i>Ceramics International</i> , <b>2018</b> , 44, 1802-1811	5.1	28
78	Micro Electro Discharge Machining for Nonconductive Ceramic Materials. <i>International Journal of Engineering Materials and Manufacture</i> , <b>2018</b> , 3, 55-62	1.3	2
77	Influence of Nano Powder Mixed Dielectric Fluid on Surface Finish in Micro Electro Discharge Machining of Zirconia. <i>Current Nanomaterials</i> , <b>2018</b> , 2, 90-94	1.3	
76	Wear behaviour at 600°C of surface engineered low-alloy steel containing TiC particles. <i>Materials Science and Technology</i> , <b>2017</b> , 33, 1688-1695	1.5	3

75	Optimization of tribological performance of SiC embedded composite coating via Taguchi analysis approach. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 184, 012035	0.4	1
74	Abrasive wear response of TIG-melted TiC composite coating: Taguchi approach. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 184, 012018	0.4	4
73	Fe-C-Si ternary composite coating on CP-titanium and its tribological properties. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 184, 012013	0.4	
72	Analysis of Fracture Mechanism for Al-Mg/SiCp Composite Materials. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 184, 012031	0.4	10
71	Investigation of Parametric Influence on the Properties of Al6061-SiCp Composite. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 184, 012019	0.4	1
70	Hardfacing of duplex stainless steel using melting and diffusion processes. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 184, 012030	0.4	2
69	Influence of Ti addition on fracture behaviour of HSLA steel using TIG melting technique. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 184, 012053	0.4	1
68	Design and materials development of automotive crash box: a review. <i>Ciência &amp; Tecnologia Dos Materiais</i> , <b>2017</b> , 29, 129-144		12
67	Experimental investigation on the performance of the TiO <sub>2</sub> and ZnO hybrid nanocoolant in ethylene glycol mixture towards AA6061-T6 machining. <i>International Journal of Automotive and Mechanical Engineering</i> , <b>2017</b> , 14, 3913-3926	1.4	13
66	Preparation and characterisation of TIG-alloyed hybrid composite coatings for high-temperature tribological applications. <i>Transactions of the Institute of Metal Finishing</i> , <b>2016</b> , 94, 211-221	1.3	7
65	Effect of oil palm ash on the mechanical and thermal properties of unsaturated polyester composites. <i>E-Polymers</i> , <b>2016</b> , 16, 323-329	2.7	3
64	Biodiesel Production From Crude Jatropha Oil using a Highly Active Heterogeneous Nanocatalyst by Optimizing Transesterification Reaction Parameters. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 334-343	4.1	74
63	Microstructural aspects of wear behaviour of TiC coated low alloy steel. <i>Materials Science and Technology</i> , <b>2016</b> , 32, 303-307	1.5	4
62	Mechanical Properties of Oil Palm Shell Composites. <i>International Journal of Polymer Science</i> , <b>2016</b> , 2016, 1-7	2.4	9
61	Effect of variable particle size reinforcement on mechanical and wear properties of 6061AlSiCp composite* The research study was conducted at the International Islamic University Malaysia.View all notes. <i>Composite Interfaces</i> , <b>2016</b> , 23, 533-547	2.3	23
60	Crashworthy capacity of a hybridized epoxy-glass fiber aluminum columnar tube using repeated axial resistive force. <i>Journal of Mechanical Science and Technology</i> , <b>2015</b> , 29, 1941-1953	1.6	7
59	Wear Behaviour of TiC Coated AISI 4340 Steel Produced by TIG Surface Melting. <i>Materials Science Forum</i> , <b>2015</b> , 819, 76-80	0.4	10
58	Crush Zone Morphology of Epoxy-Glass Fiber-Aluminium Composite Columnar Tube due to Longitudinal Crushing Force. <i>Advanced Materials Research</i> , <b>2015</b> , 1115, 258-261	0.5	1

57	Effect of Temperature on the Wear Properties of Alloy Steel under Jatropha Curcas Biodiesel. <i>Advanced Materials Research</i> , <b>2015</b> , 1115, 203-206	0.5	
56	Corrosion of Surface Modified AISI 4340 Steel in Jatropha Biodiesel. <i>Advanced Materials Research</i> , <b>2015</b> , 1115, 243-246	0.5	
55	Synthesis and characterization of NiP coated hexagonal boron nitride by electroless nickel deposition. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2015</b> , 51, 523-529	0.8	4
54	Melting of multipass surface tracks in steel incorporating titanium carbide powders. <i>Materials Science and Technology</i> , <b>2015</b> , 31, 1362-1369	1.5	18
53	Thin Surface Layers of Iron-Based Alloys Deposited by TIG Hardfacing. <i>Tribology Online</i> , <b>2015</b> , 10, 434-440.	0.9	5
52	Development of kenaf-glass reinforced unsaturated polyester hybrid composite for structural applications. <i>Composites Part B: Engineering</i> , <b>2014</b> , 56, 68-73	1.0	186
51	Radiation and heat generation effects on viscous Joule heating MHD-conjugate heat transfer for a vertical flat plate. <i>Canadian Journal of Physics</i> , <b>2014</b> , 92, 509-521	1.1	2
50	Performance assessment of aluminium composite material for automotive brake rotor. <i>International Journal of Vehicle Systems Modelling and Testing</i> , <b>2014</b> , 9, 207	0	4
49	Physico-chemical and Thermal Properties of Starch Derived from Sugar Palm Tree ( <i>Arenga pinnata</i> ). <i>Asian Journal of Chemistry</i> , <b>2014</b> , 26, 955-959	0.4	23
48	BIODEGRADABILITY AND MECHANICAL BEHAVIOUR OF SUGAR PALM STARCH BASED BIOPOLYMER. <i>American Journal of Applied Sciences</i> , <b>2014</b> , 11, 1836-1840	0.8	2
47	Tungsten Inert Gas Surface Alloying of Commercial Purity Titanium (CP-Ti) with Fe-C-Si Ternary Mixtures. <i>Advanced Materials Research</i> , <b>2014</b> , 1024, 207-210	0.5	8
46	MICRO-EDM FOR MICRO-CHANNEL FABRICATION ON NONCONDUCTIVE ZrO <sub>2</sub> CERAMIC. <i>International Journal of Automotive and Mechanical Engineering</i> , <b>2014</b> , 10, 1841-1851	1.4	4
45	Tribocorrosion Behaviour of Biodiesel ^ ^mdash; A Review. <i>Tribology Online</i> , <b>2014</b> , 9, 10-20	0.9	5
44	Development and Characterization of Coir Fibre Reinforced Composite Brake Friction Materials. <i>Arabian Journal for Science and Engineering</i> , <b>2013</b> , 38, 3191-3199		41
43	Mechanical and thermal properties of environmentally friendly composites derived from sugar palm tree. <i>Materials &amp; Design</i> , <b>2013</b> , 49, 285-289		107
42	Flexural and Impact Properties of Biopolymer Derived from Sugar Palm Tree. <i>Advanced Materials Research</i> , <b>2013</b> , 701, 225-228	0.5	3
41	Wear Mechanisms Map of CNT-Al Nano-composite. <i>Procedia Engineering</i> , <b>2013</b> , 68, 736-742		18
40	Radiation Effects on MHD Free Convection Flow along Vertical Flat Plate in Presence of Joule Heating and Heat Generation. <i>Procedia Engineering</i> , <b>2013</b> , 56, 503-509		9

39	Investigation of Material Removal Characteristics in EDM of Nonconductive ZrO <sub>2</sub> Ceramic. <i>Procedia Engineering</i> , <b>2013</b> , 56, 696-701		56
38	Thermo-mechanical behaviors of thermoplastic starch derived from sugar palm tree ( <i>Arenga pinnata</i> ). <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 1711-6	10.3	87
37	Effect of Water Absorption on Mechanical Properties of Sugar Palm Fibre Reinforced Sugar Palm Starch (SPF/SPS) Biocomposites. <i>Journal of Biobased Materials and Bioenergy</i> , <b>2013</b> , 7, 90-94	1.4	14
36	Processing of TiC-CNT Hybrid Composite Coating on Low Alloy Steel Using TIG Torch Technique. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 378, 259-264	0.3	18
35	The tribological behaviour of Fe-C-Al cast iron Effect of temperature. <i>Industrial Lubrication and Tribology</i> , <b>2013</b> , 65, 320-327	1.3	7
34	Effect of Micro-EDM Parameters on Material Removal Rate of Nonconductive ZrO <sub>2</sub> Ceramic. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 465-466, 1329-1333	0.3	2
33	Effect of Copper on Tensile Strength Improvement of Al-Cu-SiCP New Composite. <i>Materials Science Forum</i> , <b>2013</b> , 773-774, 541-546	0.4	
32	Investigation of surface roughness in micro-electro discharge machining of nonconductive ZrO <sub>2</sub> for MEMS application. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2013</b> , 53, 012090	0.4	3
31	Effect of Ball Milling Parameters on the Synthesization of Carbon Nanotube Aluminium Nano Composite. <i>Advanced Materials Research</i> , <b>2012</b> , 626, 537-541	0.5	2
30	Sugar Palm Tree: A Versatile Plant and Novel Source for Biofibres, Biomatrices, and Biocomposites. <i>Polymers From Renewable Resources</i> , <b>2012</b> , 3, 61-78	0.4	18
29	Energy and Cost Analysis of Weight Reduction using Composite Brake Rotor. <i>International Journal of Vehicle Structures and Systems</i> , <b>2012</b> , 4,	2.1	4
28	Flexural and Impact Properties of Kenaf-Glass Hybrid Composite. <i>Advanced Materials Research</i> , <b>2012</b> , 576, 471-474	0.5	12
27	Digital logic and knowledge-based system for the automotive piston material selection. <i>International Journal of Materials and Structural Integrity</i> , <b>2012</b> , 6, 134	0.3	
26	Metal Matrix Composite Brake Rotor: Historical Development and Product Life Cycle Analysis. <i>International Journal of Automotive and Mechanical Engineering</i> , <b>2011</b> , 4, 471-480	1.4	76
25	Transient in-Cylinder Gas Flow Characteristics of Single Cylinder Port Injection Hydrogen Fueled Engine. <i>American Journal of Applied Sciences</i> , <b>2010</b> , 7, 1364-1371	0.8	
24	In-Cylinder Heat Transfer Characteristics of Hydrogen Fueled Engine: A Steady State Approach. <i>American Journal of Environmental Sciences</i> , <b>2010</b> , 6, 124-129	0.5	12
23	Heat Transfer Characteristics of Intake Port for Spark Ignition Engine:A Comparative Study. <i>Journal of Applied Sciences</i> , <b>2010</b> , 10, 2019-2026	0.3	5
22	Wear behavior of as-cast and heat treated triple particle size SiC reinforced aluminum metal matrix composites. <i>Industrial Lubrication and Tribology</i> , <b>2009</b> , 61, 78-83	1.3	9

21	The Effect of Environmental Treatments on Fiber Surface Properties and Tensile Strength of Sugar Palm Fiber-Reinforced Epoxy Composites. <i>Polymer-Plastics Technology and Engineering</i> , <b>2008</b> , 47, 606-612		67
20	Tribological behavior of dual and triple particle size SiC reinforced Al-MMCs: a comparative study. <i>Industrial Lubrication and Tribology</i> , <b>2008</b> , 60, 189-194	1.3	14
19	Moisture absorption behavior of sugar palm fiber reinforced epoxy composites. <i>Materials &amp; Design</i> , <b>2008</b> , 29, 1666-1670		88
18	Finite Element Based Fatigue Life Prediction of Cylinder Head for Two-Stroke Linear Engine Using Stress-Life Approach. <i>Journal of Applied Sciences</i> , <b>2008</b> , 8, 3316-3327	0.3	10
17	Experimental investigation on system performance using palm oil as hydraulic fluid. <i>Industrial Lubrication and Tribology</i> , <b>2007</b> , 59, 200-208	1.3	14
16	A note on the conceptual design of polymeric composite automotive bumper system. <i>Journal of Materials Processing Technology</i> , <b>2005</b> , 159, 145-151	5.3	48
15	Design and fabrication of natural woven fabric reinforced epoxy composite for household telephone stand. <i>Materials &amp; Design</i> , <b>2005</b> , 26, 65-71		89
14	Air -Fuel Ratio Calculation for a Natural Gas Fuelled Spark Ignition Engine <b>2004</b> ,		0
13	The effect of intercritical heat treatment on the mechanical properties of AISI 3115 steel. <i>Journal of Materials Processing Technology</i> , <b>2004</b> , 153-154, 482-487	5.3	53
12	A Critical Review of Polymer-based Composite Automotive Bumper Systems. <i>Polymers and Polymer Composites</i> , <b>2002</b> , 10, 627-636	0.8	4
11	Wear surface characteristics study of tribo-materials under palm oil methyl ester added lubricant. <i>Industrial Lubrication and Tribology</i> , <b>2002</b> , 54, 177-182	1.3	1
10	The applicability of ISO household refrigerator/freezer energy test specifications in Malaysia. <i>Energy</i> , <b>2001</b> , 26, 723-737	7.9	32
9	Performance, emissions and wear characteristics of an indirect injection diesel engine using coconut oil blended fuel. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2001</b> , 215, 393-404	1.4	43
8	Effect of mechanical factors on tribological properties of palm oil methyl ester blended lubricant. <i>Wear</i> , <b>2000</b> , 239, 117-125	3.5	113
7	Combustion Characteristics of Biological Fuel in Diesel Engine <b>2000</b> ,		15
6	Palm oil and mineral oil based lubricants their tribological and emission performance. <i>Tribology International</i> , <b>1999</b> , 32, 305-314	4.9	98
5	Bio-Fuel-Contaminated Lubricant and Hardening Effects on the Friction and Wear of AISI 1045 Steel. <i>Tribology Transactions</i> , <b>1998</b> , 41, 155-159	1.8	10
4	Investigation of the anti-wear characteristics of palm oil methyl ester using a four-ball tribometer test. <i>Wear</i> , <b>1997</b> , 206, 179-186	3.5	86

3	Wear, Performance and Emissions of a Two-Stroke Engine Running on Palm Oil Methyl Ester Blended Lubricant. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , <b>1996</b> , 210, 213-219	1.4	10
2	The effect of palm oil diesel fuel contaminated lubricant on sliding wear of cast irons against mild steel. <i>Wear</i> , <b>1996</b> , 198, 293-299	3.5	51
1	Hard-Hydrophobic Nano-CuO Coating via Electrochemical Oxidation for Heat Transfer Performance Enhancement. <i>Arabian Journal for Science and Engineering</i> ,1	2.5	1