

M A Fazal

List of Publications by Year in descending order

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47
papers

3,066
citations

159358

30
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223531

46
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docs citations

47
times ranked

2168
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiesel feasibility study: An evaluation of material compatibility; performance; emission and engine durability. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1314-1324.	8.2	350
2	Compatibility of automotive materials in biodiesel: A review. <i>Fuel</i> , 2011, 90, 922-931.	3.4	217
3	Comparative corrosive characteristics of petroleum diesel and palm biodiesel for automotive materials. <i>Fuel Processing Technology</i> , 2010, 91, 1308-1315.	3.7	190
4	Influence of different factors on the stability of biodiesel: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 154-163.	8.2	146
5	Corrosion characteristics of copper and leaded bronze in palm biodiesel. <i>Fuel Processing Technology</i> , 2010, 91, 329-334.	3.7	142
6	Tribology with biodiesel: A study on enhancing biodiesel stability and its fuel properties. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 70, 399-412.	8.2	138
7	Effect of temperature on tribological properties of palm biodiesel. <i>Energy</i> , 2010, 35, 1460-1464.	4.5	135
8	Investigation of friction and wear characteristics of palm biodiesel. <i>Energy Conversion and Management</i> , 2013, 67, 251-256.	4.4	131
9	Effect of rare earth elements and their oxides on tribo-mechanical performance of laser claddings: A review. <i>Journal of Rare Earths</i> , 2016, 34, 549-564.	2.5	117
10	Corrosion mechanism of copper in palm biodiesel. <i>Corrosion Science</i> , 2013, 67, 50-59.	3.0	114
11	Compatibility of elastomers in palm biodiesel. <i>Renewable Energy</i> , 2010, 35, 2356-2361.	4.3	97
12	Degradation of automotive materials in palm biodiesel. <i>Energy</i> , 2012, 40, 76-83.	4.5	93
13	Degradation of physical properties of different elastomers upon exposure to palm biodiesel. <i>Energy</i> , 2011, 36, 1814-1819.	4.5	92
14	Effect of temperature on the corrosion behavior of mild steel upon exposure to palm biodiesel. <i>Energy</i> , 2011, 36, 3328-3334.	4.5	82
15	Impact of palm biodiesel blend on injector deposit formation. <i>Applied Energy</i> , 2013, 111, 882-893.	5.1	82
16	Laser-based Surface Modifications of Aluminum and its Alloys. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2016, 41, 106-131.	6.8	79
17	A Critical Review on Physical Vapor Deposition Coatings Applied on Different Engine Components. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2018, 43, 158-175.	6.8	62
18	A critical review on performance, microstructure and corrosion resistance of Pb-free solders. Measurement: Journal of the International Measurement Confederation, 2019, 134, 897-907.	2.5	61

#	ARTICLE	IF	CITATIONS
19	Effect of different corrosion inhibitors on the corrosion of cast iron in palm biodiesel. <i>Fuel Processing Technology</i> , 2011, 92, 2154-2159.	3.7	60
20	A critical review on the tribological compatibility of automotive materials in palm biodiesel. <i>Energy Conversion and Management</i> , 2014, 79, 180-186.	4.4	56
21	A Review to the Laser Cladding of Self-Lubricating Composite Coatings. <i>Lasers in Manufacturing and Materials Processing</i> , 2016, 3, 67-99.	1.2	46
22	Reduction of electromigration damage in SAC305 solder joints by adding Ni nanoparticles through flux doping. <i>Journal of Materials Science</i> , 2015, 50, 6748-6756.	1.7	45
23	Influence of copper on the instability and corrosiveness of palm biodiesel and its blends: An assessment on biodiesel sustainability. <i>Journal of Cleaner Production</i> , 2018, 171, 1407-1414.	4.6	45
24	Effect of copper and mild steel on the stability of palm biodiesel properties: A comparative study. <i>Industrial Crops and Products</i> , 2014, 58, 8-14.	2.5	44
25	Effect of antioxidants on the stability and corrosiveness of palm biodiesel upon exposure of different metals. <i>Energy</i> , 2017, 135, 220-226.	4.5	39
26	Overview of the interactions between automotive materials and biodiesel obtained from different feedstocks. <i>Fuel Processing Technology</i> , 2019, 196, 106178.	3.7	38
27	Retardation of oxidation and material degradation in biodiesel: a review. <i>RSC Advances</i> , 2016, 6, 60244-60263.	1.7	37
28	Sustainability of additive-doped biodiesel: Analysis of its aggressiveness toward metal corrosion. <i>Journal of Cleaner Production</i> , 2018, 181, 508-516.	4.6	37
29	Corrosion of magnesium and aluminum in palm biodiesel: A comparative evaluation. <i>Energy</i> , 2013, 57, 478-483.	4.5	36
30	Effect of Cobalt Doping on the Microstructure and Tensile Properties of Lead Free Solder Joint Subjected to Electromigration. <i>Journal of Materials Science and Technology</i> , 2016, 32, 1129-1136.	5.6	35
31	Inhibition study of additives towards the corrosion of ferrous metal in palm biodiesel. <i>Energy Conversion and Management</i> , 2016, 122, 290-297.	4.4	33
32	A comprehensive assessment of laser welding of biomedical devices and implant materials: recent research, development and applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2021, 46, 109-151.	6.8	29
33	Effect of aluminum addition on the electrochemical corrosion behavior of Sn-3Ag-0.5Cu solder alloy in 3.5wt% NaCl solution. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 12193-12200.	1.1	21
34	Analysis of Tribological Properties of Palm Biodiesel and Oxidized Biodiesel Blends. <i>Tribology Transactions</i> , 2017, 60, 530-536.	1.1	19
35	Effect of corrosion inhibitors on corrosiveness of palm biodiesel. <i>Corrosion Engineering Science and Technology</i> , 2015, 50, 56-62.	0.7	18
36	Electrochemical Corrosion Behaviour of Pb-free SAC 105 and SAC 305 Solder Alloys: A Comparative Study. <i>Sains Malaysiana</i> , 2017, 46, 295-302.	0.3	18

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37	Effect of Zn incorporation on the electrochemical corrosion properties of SAC105 solder alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7415-7422.	1.1	14
38	A reliable electrochemical approach for detection of testosterone with CuO-doped CeO ₂ nanocomposites-coated glassy carbon electrode. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 5259-5273.	1.1	10
39	Evaluation of CrAlN multilayered coatings deposited by PVD magnetron sputtering. <i>Journal of Adhesion Science and Technology</i> , 2015, 29, 2076-2089.	1.4	9
40	Effect of anti-oxidants on the lubricity of B30 biodiesel-diesel blend. <i>Lubrication Science</i> , 2017, 29, 3-15.	0.9	9
41	Investigation of the mechanical properties of electrodeposited nickel and magnetron sputtered chromium nitride coatings deposited on mild steel substrate. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 2224-2235.	1.4	8
42	Laser Composite Surfacing of Ni-WC Coating on AA5083 for Enhancing Tribomechanical Properties. <i>Tribology Transactions</i> , 2017, 60, 249-259.	1.1	8
43	Scratch adhesion characteristics of PVD Cr/CrAlN multilayer coating deposited on aerospace AL7075-T6 alloy. <i>Pigment and Resin Technology</i> , 2015, 44, 364-370.	0.5	7
44	Mechanical and tribological performance of a hybrid MMC coating deposited on Al-17Si piston alloy by laser composite surfacing technique. <i>RSC Advances</i> , 2018, 8, 6858-6869.	1.7	7
45	Polarization and EIS studies to evaluate the effect of aluminum concentration on the corrosion behavior of SAC105 solder alloy. <i>Materials Science-Poland</i> , 2017, 35, 694-701.	0.4	5
46	Structural and mechanical properties of (Cr, Ni) N single and gradient layer coatings deposited on mild steel by magnetron sputtering. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2016, 10, 117-125.	0.6	4
47	Effect of Ni nanoparticles on intermetallic compounds formation in SAC305 solder joint under high current density. , 2014, , .		1