

M A Fazal

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,066
citations

159358

30
h-index

223531

46
g-index

47
all docs

47
docs citations

47
times ranked

2168
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Overview of the interactions between automotive materials and biodiesel obtained from different feedstocks. <i>Fuel Processing Technology</i> , 2019, 196, 106178. | 3.7 | 38 |
| 4 | 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 |
| 5 | A critical review on performance, microstructure and corrosion resistance of Pb-free solders. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 134, 897-907. | 2.5 | 61 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Analysis of Tribological Properties of Palm Biodiesel and Oxidized Biodiesel Blends. <i>Tribology Transactions</i> , 2017, 60, 530-536. | 1.1 | 19 |
| 11 | 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 |
| 12 | Effect of antioxidants on the lubricity of B30 biodiesel-diesel blend. <i>Lubrication Science</i> , 2017, 29, 3-15. | 0.9 | 9 |
| 13 | Laser Composite Surfacing of Ni-WC Coating on AA5083 for Enhancing Tribomechanical Properties. <i>Tribology Transactions</i> , 2017, 60, 249-259. | 1.1 | 8 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Retardation of oxidation and material degradation in biodiesel: a review. <i>RSC Advances</i> , 2016, 6, 60244-60263. | 1.7 | 37 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Effect of corrosion inhibitors on corrosiveness of palm biodiesel. <i>Corrosion Engineering Science and Technology</i> , 2015, 50, 56-62. | 0.7 | 18 |
| 30 | Effect of Ni nanoparticles on intermetallic compounds formation in SAC305 solder joint under high current density. , 2014, , . | | 1 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Impact of palm biodiesel blend on injector deposit formation. <i>Applied Energy</i> , 2013, 111, 882-893. | 5.1 | 82 |
| 35 | Corrosion of magnesium and aluminum in palm biodiesel: A comparative evaluation. <i>Energy</i> , 2013, 57, 478-483. | 4.5 | 36 |
| 36 | Corrosion mechanism of copper in palm biodiesel. <i>Corrosion Science</i> , 2013, 67, 50-59. | 3.0 | 114 |

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|----|---|-----|-----------|
| 37 | Investigation of friction and wear characteristics of palm biodiesel. Energy Conversion and Management, 2013, 67, 251-256. | 4.4 | 131 |
| 38 | Degradation of automotive materials in palm biodiesel. Energy, 2012, 40, 76-83. | 4.5 | 93 |
| 39 | Effect of different corrosion inhibitors on the corrosion of cast iron in palm biodiesel. Fuel Processing Technology, 2011, 92, 2154-2159. | 3.7 | 60 |
| 40 | Degradation of physical properties of different elastomers upon exposure to palm biodiesel. Energy, 2011, 36, 1814-1819. | 4.5 | 92 |
| 41 | Effect of temperature on the corrosion behavior of mild steel upon exposure to palm biodiesel. Energy, 2011, 36, 3328-3334. | 4.5 | 82 |
| 42 | Compatibility of automotive materials in biodiesel: A review. Fuel, 2011, 90, 922-931. | 3.4 | 217 |
| 43 | Biodiesel feasibility study: An evaluation of material compatibility; performance; emission and engine durability. Renewable and Sustainable Energy Reviews, 2011, 15, 1314-1324. | 8.2 | 350 |
| 44 | Effect of temperature on tribological properties of palm biodiesel. Energy, 2010, 35, 1460-1464. | 4.5 | 135 |
| 45 | Compatibility of elastomers in palm biodiesel. Renewable Energy, 2010, 35, 2356-2361. | 4.3 | 97 |
| 46 | Corrosion characteristics of copper and leaded bronze in palm biodiesel. Fuel Processing Technology, 2010, 91, 329-334. | 3.7 | 142 |
| 47 | Comparative corrosive characteristics of petroleum diesel and palm biodiesel for automotive materials. Fuel Processing Technology, 2010, 91, 1308-1315. | 3.7 | 190 |