

Mohammed Danish

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,370
citations

159525

30
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149623

56
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all docs

69
docs citations

69
times ranked

3719
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A review on utilization of wood biomass as a sustainable precursor for activated carbon production and application. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 87, 1-21. | 8.2 | 526 |
| 2 | High surface area mesoporous activated carbon-alginate beads for efficient removal of methylene blue. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1792-1799. | 3.6 | 190 |
| 3 | Prospects of banana waste utilization in wastewater treatment: A review. <i>Journal of Environmental Management</i> , 2018, 206, 330-348. | 3.8 | 189 |
| 4 | The use of date palm as a potential adsorbent for wastewater treatment: a review. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1464-1484. | 2.7 | 183 |
| 5 | Recent advances in activated carbon modification techniques for enhanced heavy metal adsorption. <i>Journal of Water Process Engineering</i> , 2021, 43, 102221. | 2.6 | 172 |
| 6 | Mangosteen peel waste as a sustainable precursor for high surface area mesoporous activated carbon: Characterization and application for methylene blue removal. <i>Journal of Cleaner Production</i> , 2019, 211, 1190-1200. | 4.6 | 165 |
| 7 | Comparison of surface properties of wood biomass activated carbons and their application against rhodamine B and methylene blue dye. <i>Surfaces and Interfaces</i> , 2018, 11, 1-13. | 1.5 | 137 |
| 8 | Optimized preparation for large surface area activated carbon from date (<i>Phoenix dactylifera</i> L.) stone biomass. <i>Biomass and Bioenergy</i> , 2014, 61, 167-178. | 2.9 | 136 |
| 9 | Optimization of process variables for biodiesel production by transesterification of flaxseed oil and produced biodiesel characterizations. <i>Renewable Energy</i> , 2019, 139, 1272-1280. | 4.3 | 116 |
| 10 | Exploiting microbial biomass in treating azo dyes contaminated wastewater: Mechanism of degradation and factors affecting microbial efficiency. <i>Journal of Water Process Engineering</i> , 2021, 43, 102255. | 2.6 | 105 |
| 11 | Optimization of activated carbon preparation from cassava stem using response surface methodology on surface area and yield. <i>Journal of Cleaner Production</i> , 2018, 198, 1422-1430. | 4.6 | 91 |
| 12 | Oil Palm Biomass as a Precursor of Activated Carbons: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 1117-1161. | 6.6 | 89 |
| 13 | Effect of acidic activating agents on surface area and surface functional groups of activated carbons produced from <i>Acacia mangium</i> wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 418-425. | 2.6 | 89 |
| 14 | Characterisation of composite films fabricated from collagen/chitosan and collagen/soy protein isolate for food packaging applications. <i>RSC Advances</i> , 2016, 6, 82191-82204. | 1.7 | 74 |
| 15 | Use of banana trunk waste as activated carbon in scavenging methylene blue dye: Kinetic, thermodynamic, and isotherm studies. <i>Bioresource Technology Reports</i> , 2018, 3, 127-137. | 1.5 | 68 |
| 16 | Production of Fuel Additive Solketal via Catalytic Conversion of Biodiesel-Derived Glycerol. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20961-20978. | 1.8 | 65 |
| 17 | Application of optimized large surface area date stone (<i>Phoenix dactylifera</i>) activated carbon for rhodamin B removal from aqueous solution: Box-Behnken design approach. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 280-290. | 2.9 | 56 |
| 18 | Bacteria Mediated Synthesis of Iron Oxide Nanoparticles and Their Antibacterial, Antioxidant, Cytocompatibility Properties. <i>Journal of Cluster Science</i> , 2021, 32, 1083-1094. | 1.7 | 50 |

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|----|---|-----|-----------|
| 19 | Kinetics for the Removal of Paraquat Dichloride from Aqueous Solution by Activated Date (<i>Phoenix dactylifera</i>) Stone Carbon. Journal of Dispersion Science and Technology, 2010, 31, 248-259. | 1.3 | 47 |
| 20 | A new drying kinetic model for sewage sludge drying in presence of CaO and NaClO. Applied Thermal Engineering, 2016, 106, 141-152. | 3.0 | 45 |
| 21 | Optimization of banana trunk-activated carbon production for methylene blue-contaminated water treatment. Applied Water Science, 2018, 8, 1. | 2.8 | 43 |
| 22 | Bioengineered silver nanoparticles capped with bovine serum albumin and its anticancer and apoptotic activity against breast, bone and intestinal colon cancer cell lines. Materials Science and Engineering C, 2019, 102, 254-263. | 3.8 | 42 |
| 23 | Optimization study for preparation of activated carbon from Acacia mangium wood using phosphoric acid. Wood Science and Technology, 2014, 48, 1069-1083. | 1.4 | 40 |
| 24 | Surface characterization and comparative adsorption properties of Cr(VI) on pyrolysed adsorbents of Acacia mangium wood and Phoenix dactylifera L. stone carbon. Journal of Analytical and Applied Pyrolysis, 2012, 97, 19-28. | 2.6 | 39 |
| 25 | Sorption of Copper(II) and Nickel(II) Ions from Aqueous Solutions Using Calcium Oxide Activated Date (<i>Phoenix dactylifera</i>) Stone Carbon: Equilibrium, Kinetic, and Thermodynamic Studies. Journal of Chemical & Engineering Data, 2011, 56, 3607-3619. | 1.0 | 36 |
| 26 | Adsorption of Pb(II) Ions from Aqueous Solutions by Date Bead Carbon Activated with ZnCl ₂ . Clean - Soil, Air, Water, 2011, 39, 392-399. | 0.7 | 36 |
| 27 | Anticancer and apoptotic activity of biologically synthesized zinc oxide nanoparticles against human colon cancer HCT-116 cell line- in vitro study. Sustainable Chemistry and Pharmacy, 2019, 14, 100179. | 1.6 | 35 |
| 28 | Roof solar drying processes for sewage sludge within sandwich-like chamber bed. Renewable Energy, 2019, 136, 1071-1081. | 4.3 | 35 |
| 29 | Biosynthesis and characterization of silver nanoparticles from fungal species and its antibacterial and anticancer effect. Karbala International Journal of Modern Science, 2018, 4, 86-92. | 0.5 | 32 |
| 30 | Characterization of Physically Activated Acacia mangium Wood-Based Carbon for the Removal of Methyl Orange Dye. BioResources, 2013, 8, . | 0.5 | 30 |
| 31 | Effectiveness of wind turbine blades waste combined with the sewage sludge for enriched carbon preparation through the co-pyrolysis processes. Journal of Cleaner Production, 2018, 174, 780-787. | 4.6 | 30 |
| 32 | A review of avocado waste-derived adsorbents: Characterizations, adsorption characteristics, and surface mechanism. Chemosphere, 2022, 296, 134036. | 4.2 | 29 |
| 33 | Sorption studies of Zn(II)- and Cd(II)ions from aqueous solution on treated sawdust of sissoo wood. European Journal of Wood and Wood Products, 2007, 65, 429-436. | 1.3 | 27 |
| 34 | Response surface methodology approach for methyl orange dye removal using optimized Acacia mangium wood activated carbon. Wood Science and Technology, 2014, 48, 1085-1105. | 1.4 | 27 |
| 35 | A Model of Drying Kinetics of <i>Acacia mangium</i> Wood at Different Temperatures. Drying Technology, 2014, 32, 361-370. | 1.7 | 27 |
| 36 | Green approach for the biosynthesis of silver nanoparticles and its antibacterial and antitumor effect against osteoblast MG-63 and breast MCF-7 cancer cell lines. Sustainable Chemistry and Pharmacy, 2019, 12, 100138. | 1.6 | 25 |

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|----|--|-----|-----------|
| 37 | Aluminum dispersed bamboo activated carbon production for effective removal of Ciprofloxacin hydrochloride antibiotics: Optimization and mechanism study. <i>Journal of Environmental Management</i> , 2022, 301, 113765. | 3.8 | 22 |
| 38 | Conversion of flaxseed oil into biodiesel using KOH catalyst: Optimization and characterization dataset. <i>Data in Brief</i> , 2020, 29, 105225. | 0.5 | 19 |
| 39 | Preparation and characterization of banana trunk activated carbon using H ₃ PO ₄ activation: A rotatable central composite design approach. <i>Materials Chemistry and Physics</i> , 2022, 282, 125989. | 2.0 | 18 |
| 40 | Complete fatty acid analysis data of flaxseed oil using GC-FID method. <i>Data in Brief</i> , 2019, 23, 103845. | 0.5 | 16 |
| 41 | Kinetics, Thermodynamics, and Isotherms of Methylene Blue Adsorption Study onto Cassava Stem Activated Carbon. <i>Water (Switzerland)</i> , 2021, 13, 2936. | 1.2 | 16 |
| 42 | Mechanical properties and dimensional stability of particleboard fabricated from steam pre-treated banana trunk waste particles. <i>Journal of Building Engineering</i> , 2019, 26, 100848. | 1.6 | 15 |
| 43 | Physical and Mechanical Properties of Binderless Particleboard Made from Steam-Pretreated Oil Palm Trunk Particles. <i>Journal of Composites Science</i> , 2019, 3, 46. | 1.4 | 15 |
| 44 | Surface measurement of binderless bio-composite particleboard through contact angle and fractal surfaces. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 140, 365-372. | 2.5 | 15 |
| 45 | Genotoxicity and apoptotic activity of biologically synthesized magnesium oxide nanoparticles against human lung cancer A-549 cell line. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2018, 9, 025011. | 0.7 | 13 |
| 46 | Efficient removal of methylene blue dye using mangosteen peel waste: kinetics, isotherms and artificial neural network (ANN) modelling. <i>Journal of Environmental Management</i> , 2020, 86, 191-202. | | 13 |
| 47 | In Vitro Evaluation of Antibacterial, Antioxidant, and Antidiabetic Activities and Glucose Uptake through 2-NBDG by Hep-2 Liver Cancer Cells Treated with Green Synthesized Silver Nanoparticles. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-14. | 1.9 | 10 |
| 48 | Characterization and adsorption kinetic study of surfactant treated oil palm (<i>Elaeis) Tj ETQq0 0 0 rgBT /Overlock 1.0 Tf 50,302 Td (gu | 1.0 | 9 |
| 49 | Glycerol Conversion to Solketal: Catalyst and Reactor Design, and Factors Affecting the Yield. <i>ChemBioEng Reviews</i> , 2021, 8, 227-238. | 2.6 | 8 |
| 50 | Analysis using image segmentation for the elemental composition of activated carbon. <i>MethodsX</i> , 2020, 7, 100983. | 0.7 | 7 |
| 51 | Scavenging of caffeine from aqueous medium through optimized H ₃ PO ₄ -activated Acacia mangium wood activated carbon: Statistical data of optimization. <i>Data in Brief</i> , 2020, 28, 105045. | 0.5 | 6 |
| 52 | Microporous Erionite-activated Carbon Composite From Oil Palm Ash for Doxycycline Antibiotic Removal. <i>Environmental Processes</i> , 2021, 8, 1501-1515. | 1.7 | 6 |
| 53 | Application of date stone activated carbon for the removal of caffeine molecules from water. <i>Materials Today: Proceedings</i> , 2020, 31, 18-22. | 0.9 | 5 |
| 54 | Optimization study of caffeine adsorption onto large surface area wood activated carbon through central composite design approach. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100594. | 1.7 | 5 |

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|----|---|-----|-----------|
| 55 | Mechanical and physical properties of binderless particleboard made from oil palm empty fruit bunch (OPEFB) with addition of natural binder. <i>Materials Today: Proceedings</i> , 2020, 31, 287-291. | 0.9 | 4 |
| 56 | Effect of microwave irradiation on the etherification of biodiesel-derived glycerol in a solvent free process. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 460, 012043. | 0.2 | 3 |
| 57 | Application of erionite as an adsorbent for Cd ²⁺ , Cu ²⁺ , and Pb ²⁺ ions in water. , 0, 205, 328-335. | | 3 |
| 58 | Tailored silver nanoparticles capped with gallic acid and its potential toxicity via ROS mediated pathway against osteosarcoma cells. <i>Materials Today Communications</i> , 2022, 32, 103844. | 0.9 | 3 |
| 59 | Plant Generated Silver Nanoparticles and their Antibacterial Effect in Combination with Levofloxacin and Amikacin. <i>Oriental Journal of Chemistry</i> , 2017, 33, 2998-3002. | 0.1 | 2 |
| 60 | Tailoring the optical properties of zinc/copper incorporated onto eggshell synthesized via electrochemical method. <i>Materials Today: Proceedings</i> , 2020, 31, 241-244. | 0.9 | 2 |
| 61 | Green Approach for the Synthesis of Copper Oxide Nanoparticles and its Antibacterial Effect against Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Journal of Pure and Applied Microbiology</i> , 2022, 16, 708-716. | 0.3 | 2 |
| 62 | Catalytic efficiency of various ion-exchanged forms of Erionite zeolite for the synthesis of 2-methylquinoxaline. <i>Applied Surface Science Advances</i> , 2022, 9, 100261. | 2.9 | 2 |
| 63 | Biosynthesis of Zinc Oxide Nanoparticles from <i>Allium sativum</i> Extract: Characterization and Application. <i>BioNanoScience</i> , 2022, 12, 795-803. | 1.5 | 2 |
| 64 | Isothermal drying kinetics of oil palm trunk: Energy and shrinkage evaluation. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1244-1252. | 1.3 | 1 |
| 65 | Study of the optical properties of zinc incorporated onto eggshell using UV-vis diffuse reflectance spectroscopy. <i>Materials Today: Proceedings</i> , 2020, 31, 245-248. | 0.9 | 1 |
| 66 | Evaluation and mechanism of glucose production through acid hydrolysis process: Statistical approach. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 36, 102157. | 1.5 | 1 |
| 67 | Thermodynamics of Ion-Exchange of Alkali Metal Ions on Crystalline Niobium(V) Phosphate. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 88-94. | 2.0 | 0 |
| 68 | Study the band gap properties of copper incorporated onto eggshell using UV-vis diffuse reflectance spectroscopy. <i>Materials Today: Proceedings</i> , 2020, 31, 237-240. | 0.9 | 0 |