

Edwin Makhado

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10891509/publications.pdf>

Version: 2024-02-01

13
papers

682
citations

840776

11
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

617
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Recent Progress in Polysaccharide-Based Hydrogel Beads as Adsorbent for Water Pollution Remediation. Springer Series in Materials Science, 2022, , 55-88. | 0.6 | 3 |
| 2 | Ultrasonic-assisted synthesis of xanthan gum/ZnO hydrogel nanocomposite for the removal of methylene blue from aqueous solution. Materials Letters, 2022, 315, 131924. | 2.6 | 14 |
| 3 | Development of a ghatti gum/poly (acrylic acid)/TiO ₂ hydrogel nanocomposite for malachite green adsorption from aqueous media: Statistical optimization using response surface methodology. Chemosphere, 2022, 306, 135524. | 8.2 | 34 |
| 4 | Preparation and Characterization of Sodium Alginate-Based Oxidized Multi-Walled Carbon Nanotubes Hydrogel Nanocomposite and its Adsorption Behaviour for Methylene Blue Dye. Frontiers in Chemistry, 2021, 9, 576913. | 3.6 | 35 |
| 5 | Removal of methylene blue from wastewater using hydrogel nanocomposites: A review. Nanomaterials and Nanotechnology, 2021, 11, 184798042110394. | 3.0 | 25 |
| 6 | Synthesis and characterization of magnetic clay-based carboxymethyl cellulose-acrylic acid hydrogel nanocomposite for methylene blue dye removal from aqueous solution. Environmental Science and Pollution Research, 2020, 27, 44089-44105. | 5.3 | 31 |
| 7 | Interrogation of Electrochemical Performance of Reduced Graphene Oxide/Metal-Organic Framework Hybrid for Asymmetric Supercapattery Application. Electroanalysis, 2020, 32, 2827-2837. | 2.9 | 16 |
| 8 | Sequestration of methylene blue dye using sodium alginate poly(acrylic acid)@ZnO hydrogel nanocomposite: Kinetic, Isotherm, and Thermodynamic Investigations. International Journal of Biological Macromolecules, 2020, 162, 60-73. | 7.5 | 102 |
| 9 | Microwave-assisted green synthesis of xanthan gum grafted diethylamino ethyl methacrylate: An efficient adsorption of hexavalent chromium. Carbohydrate Polymers, 2019, 222, 114989. | 10.2 | 50 |
| 10 | Preparation and characterization of xanthan gum-cl-poly(acrylic acid)/o-MWCNTs hydrogel nanocomposite as highly effective re-usable adsorbent for removal of methylene blue from aqueous solutions. Journal of Colloid and Interface Science, 2018, 513, 700-714. | 9.4 | 154 |
| 11 | Microwave assisted synthesis of xanthan gum-cl-poly (acrylic acid) based-reduced graphene oxide hydrogel composite for adsorption of methylene blue and methyl violet from aqueous solution. International Journal of Biological Macromolecules, 2018, 119, 255-269. | 7.5 | 120 |
| 12 | Fast microwave-assisted green synthesis of xanthan gum grafted acrylic acid for enhanced methylene blue dye removal from aqueous solution. Carbohydrate Polymers, 2017, 176, 315-326. | 10.2 | 97 |
| 13 | Mechanical, Barrier and Antimicrobial Properties of Biodegradable Poly(ϵ -caprolactone) Nanocomposites. Advanced Science, Engineering and Medicine, 2015, 7, 351-360. | 0.3 | 1 |