

Edwin Makhado

List of Publications by Year in descending order

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13
papers

682
citations

840776

11
h-index

1125743

13
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14
all docs

14
docs citations

14
times ranked

617
citing authors

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