

Chukwunonso Aniagor

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,220
citations

471061

17
h-index

395343

33
g-index

38
all docs

38
docs citations

38
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Remediation of Lead Ion Contaminated Stream Using Biosurfactant-Functionalized Mesoporous Activated Carbon. <i>Chemistry Africa</i> , 2023, 6, 711-718.	1.2	9
2	Rapid and efficient uptake of aqueous lead pollutant using starch-based superabsorbent hydrogel. <i>Polymer Bulletin</i> , 2022, 79, 6373-6388.	1.7	9
3	A review of treatment technologies for the mitigation of the toxic environmental effects of acid mine drainage (AMD). <i>Chemical Engineering Research and Design</i> , 2022, 157, 37-58.	2.7	99
4	Artificial intelligence in the reduction and management of land pollution. , 2022, , 319-333.		0
5	Application of artificial intelligence in the mapping and measurement of soil pollution. , 2022, , 297-318.		1
6	Removal of pollutants from aqueous media using cow dung-based adsorbents. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100300.	2.9	36
7	Preparation of a novel acrylic fiber-based hydrogel and its utilization for the removal of aqueous lead ion. <i>Journal of Materials Research and Technology</i> , 2022, 18, 1450-1459.	2.6	17
8	Preparation of amidoxime modified biomass and subsequent investigation of their lead ion adsorption properties. , 2022, 2, 100013.		5
9	Instrumental characteristics and acid blue 193 dye sorption properties of novel lupine seed powder. , 2022, 2, 100011.		7
10	Adsorption of persistent organic pollutants (POPs) from the aqueous environment by nano-adsorbents: A review. <i>Environmental Research</i> , 2022, 212, 113123.	3.7	62
11	CuO nanoparticles as modifiers for membranes: A review of performance for water treatment. <i>Materials Today Communications</i> , 2022, 32, 103896.	0.9	4
12	Chromium adsorption from petroleum refinery wastewater using biocomposites. <i>Results in Surfaces and Interfaces</i> , 2022, 8, 100064.	1.0	10
13	Adsorption of ciprofloxacin from water: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 57-77.	2.9	199
14	Application of novel butane-1,4-dioic acid-functionalized cellulosic biosorbent for aqueous cobalt ion sequestration. <i>Cellulose</i> , 2021, 28, 3599-3615.	2.4	26
15	Isotherm and Kinetics Parametric Studies for Aqueous Hg(II) Uptake onto N-[2-(Methylamino)Ethyl]Ethane-1,2-Diaminated Acrylic Fibre. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6703-6714.	1.7	18
16	A review of methods for the removal of penicillins from water. <i>Journal of Water Process Engineering</i> , 2021, 39, 101886.	2.6	57
17	Efficacy of treated sodium alginate and activated carbon fibre for Pb(II) adsorption. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 201-216.	3.6	52
18	Equilibrium and Kinetic Modelling of Aqueous Cadmium Ion and Activated Carbon Adsorption System. <i>Water Conservation Science and Engineering</i> , 2021, 6, 95-104.	0.9	24

#	ARTICLE	IF	CITATIONS
19	Equilibrium studies on the uptake of nitrate and phosphate ions using functionalized carbon cloth. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 329, 1091-1102.	0.7	6
20	Electrochemical and statistical study of the inhibition effect of <i>T. conophorum</i> leaf extract on aluminum corrosion in acidic medium. <i>Safety in Extreme Environments</i> , 2021, 3, 157-166.	1.8	3
21	Adsorption of doxycycline from aqueous media: A review. <i>Journal of Molecular Liquids</i> , 2021, 334, 116124.	2.3	67
22	Environmental protection by the adsorptive elimination of acetaminophen from water: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 104, 117-135.	2.9	43
23	Evaluation of the aqueous Fe (II) ion sorption capacity of functionalized microcrystalline cellulose. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105703.	3.3	29
24	Removal of ibuprofen from aqueous media by adsorption: A comprehensive review. <i>Science of the Total Environment</i> , 2021, 780, 146608.	3.9	136
25	Synthesis of super-absorbent poly(AN)-g-starch composite hydrogel and its modelling for aqueous sorption of cadmium ions. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 2157-2170.	1.2	15
26	Isotherms and kinetic modelling of mycoremediation of hexavalent chromium contaminated wastewater. <i>Cleaner Engineering and Technology</i> , 2021, 4, 100192.	2.1	17
27	Modelling of basic blue-9 dye sorption onto hydrolyzed polyacrylonitrile grafted starch composite. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100141.	1.6	7
28	Utilization of low-cost sugarcane waste for the adsorption of aqueous Pb(II): Kinetics and isotherm studies. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100056.	2.9	39
29	Heavy metal adsorptive application of hydrolyzed corn starch. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	16
30	Mechanistic investigation of the mass transfer stages involved during the adsorption of aqueous lead onto <i>Scopulariopsis brevicompactum</i> fungal biomass. <i>Environmental Challenges</i> , 2021, 5, 100373.	2.0	17
31	Evaluation of the corrosion inhibitory effect of <i>Napoleonaea imperialis</i> leaf extract on mild steel in a 1.3M H ₂ SO ₄ medium. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020, 6, 1.	1.2	8
32	Effective Dephenolation of Effluent from Petroleum Industry Using Ionic-Liquid-Induced Hybrid Adsorbent. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 10017-10029.	1.7	17
33	Synthesis, modification and use of lignified bamboo isolate for the renovation of crystal violet dye effluent. <i>Applied Water Science</i> , 2019, 9, 1.	2.8	25
34	Kinetics and mechanistic description of adsorptive uptake of crystal violet dye by lignified elephant grass complexed isolate. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2105-2118.	3.3	53
35	Effective Adsorption of Crystal Violet Dye from an Aqueous Solution Using Lignin-Rich Isolate from Elephant Grass. <i>Water Conservation Science and Engineering</i> , 2018, 3, 33-46.	0.9	43
36	Parametric Studies on Descriptive Isotherms for the Uptake of Crystal Violet Dye from Aqueous Solution onto Lignin-Rich Adsorbent. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 2375-2392.	1.7	28

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37	Process Equilibrium, Kinetics, and Mechanisms of Ionic-Liquid Induced Dephenolation of Petroleum Effluent. <i>Water Conservation Science and Engineering</i> , 2018, 3, 205-220.	0.9	16