

Adeniyi Ogunlaja

List of Publications by Year in descending order

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65
papers

841
citations

516215

16
h-index

580395

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65
all docs

65
docs citations

65
times ranked

883
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersion of Asphaltenes in Petroleum with Ionic Liquids: Evaluation of Molecular Interactions in the Binary Mixture. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 18390-18401.	1.8	58
2	Oxovanadium(IV)-catalysed oxidation of dibenzothiophene and 4,6-dimethyldibenzothiophene. <i>Dalton Transactions</i> , 2012, 41, 13908.	1.6	55
3	Adsorption and separation of platinum and palladium by polyamine functionalized polystyrene-based beads and nanofibers. <i>Minerals Engineering</i> , 2013, 53, 256-265.	1.8	51
4	The adsorptive extraction of oxidized sulfur-containing compounds from fuels by using molecularly imprinted chitosan materials. <i>Reactive and Functional Polymers</i> , 2014, 81, 61-76.	2.0	45
5	Design, fabrication and evaluation of intelligent sulfone-selective polybenzimidazole nanofibers. <i>Talanta</i> , 2014, 126, 61-72.	2.9	39
6	Two- and three parameters isotherm modeling, kinetics with statistical validity, desorption and thermodynamic studies of adsorption of Cu(II) ions onto zerovalent iron nanoparticles. <i>Scientific Reports</i> , 2021, 11, 16454.	1.6	36
7	Imidazole-functionalized polymer microspheres and fibers – useful materials for immobilization of oxovanadium(IV) catalysts. <i>Journal of Materials Chemistry</i> , 2012, 22, 5792.	6.7	28
8	The development of catalytic oxovanadium(IV)-containing microspheres for the oxidation of various organosulfur compounds. <i>Applied Catalysis A: General</i> , 2013, 462-463, 157-167.	2.2	23
9	Towards oxidative denitrogenation of fuel oils: Vanadium oxide-catalysed oxidation of quinoline and adsorptive removal of quinoline-N-oxide using 2,6-pyridine-polybenzimidazole nanofibers. <i>Arabian Journal of Chemistry</i> , 2019, 12, 198-214.	2.3	23
10	Synthesis, characterization, molecular docking and antimicrobial activity of copper(II) complexes of metronidazole and 1,10 phenanthroline. <i>Inorganica Chimica Acta</i> , 2020, 510, 119744.	1.2	22
11	Spectroscopic, structural and theoretical studies of copper(II) complexes of tridentate NOS Schiff bases. <i>Journal of Molecular Structure</i> , 2016, 1122, 72-79.	1.8	21
12	Catalysed oxidation of quinoline in model fuel and the selective extraction of quinoline-N-oxide with imidazoline-based ionic liquids. <i>Egyptian Journal of Petroleum</i> , 2018, 27, 159-168.	1.2	21
13	Photocatalytic decontamination of toxic hexavalent chromium in water over graphitic carbon nitride supported sulfur nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 405, 112934.	2.0	21
14	Trimesic acid- <i>Theophylline</i> and <i>Isophthalic acid</i> - <i>Caffeine</i> Cocrystals: Synthesis, Characterization, Solubility, Molecular Docking, and Antimicrobial Activity. <i>Crystal Growth and Design</i> , 2020, 20, 3510-3522.	1.4	20
15	Electrospun poly(vinylbenzyl chloride) nanofibres functionalised with tris-(2,2'-pyridylimidazole)iron(III): A test strip for detection of ascorbic acid and dopamine. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 598-604.	4.0	19
16	Development of models to predict the viscosity of a compressed Nigerian bitumen and rheological property of its emulsions. <i>Journal of Petroleum Science and Engineering</i> , 2016, 145, 711-722.	2.1	18
17	Synthesis and crystal structures of a copper(II) dinuclear complex and zinc(II) coordination polymers as materials for efficient oxidative desulfurization of dibenzothiophene. <i>New Journal of Chemistry</i> , 2019, 43, 14343-14354.	1.4	17
18	Microwave-Assisted Synthesis of Cobalt Oxide/Reduced Graphene Oxide (Co ₃ O ₄ -rGO) Composite and its Sulfite Enhanced Photocatalytic Degradation of Organic Dyes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 1681-1708.	1.4	17

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19	Development of a Continuous Flow System for the Oxidative Desulfurization of Refractory Organosulfur Compounds in Hydrotreated Diesel. <i>Energy & Fuels</i> , 2013, 27, 7714-7723.	2.5	15
20	Bottom-up approach synthesis of core-shell nanoscale zerovalent iron (CS-nZVI): Physicochemical and spectroscopic characterization with Cu(II) ions adsorption application. <i>MethodsX</i> , 2020, 7, 100976.	0.7	14
21	Physical stability enhancement and antimicrobial properties of a sodium ionic cocrystal with theophylline. <i>CrystEngComm</i> , 2021, 23, 335-352.	1.3	13
22	Co-combustion Characteristics of coal- <i>Scenedesmus</i> Microalgae Blends and Their Resulting Ash. <i>Combustion Science and Technology</i> , 2021, 193, 419-436.	1.2	13
23	Construction of Co-doped TiO ₂ /rGO nanocomposites for high-performance photoreduction of CO ₂ with H ₂ O: Comparison of theoretical binding energies and exploration of surface chemistry. <i>Materials Chemistry and Physics</i> , 2021, 268, 124733.	2.0	13
24	Atmospheric CO ₂ mediated formation of Ag ₂ O-Ag ₂ CO ₃ /g-C ₃ N ₄ (p-n/n-n dual heterojunctions) with enhanced photoreduction of hexavalent chromium and nitrophenols. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 427, 113800.	2.0	13
25	Nanofiber-supported metal-based catalysts. <i>Catalysis</i> , 0, , 144-174.	0.6	12
26	Functional nanofibers for separation of rhodium(III) and iridium(IV) chlorido species. <i>Minerals Engineering</i> , 2016, 87, 32-44.	1.8	12
27	Synthesis, crystal structure and desulfurization properties of zig-zag 1D coordination polymer of copper(II) containing 4-methoxybenzoic acid ligand. <i>Journal of Sulfur Chemistry</i> , 2018, 39, 588-606.	1.0	12
28	A zinc-based coordination polymer as adsorbent for removal of trichlorophenol from aqueous solution: Synthesis, sorption and DFT studies. <i>Journal of Molecular Structure</i> , 2022, 1247, 131274.	1.8	12
29	Synthesis, crystal structures and luminescence properties of new multi-component co-crystals of isostructural Co(II) and Zn(II) complexes. <i>Journal of Molecular Structure</i> , 2018, 1157, 450-456.	1.8	11
30	New V ^{IV} -O-complexes for oxidative desulfurization of refractory sulfur compounds in fuel: synthesis, structure, reactivity trend and mechanistic studies. <i>Dalton Transactions</i> , 2019, 48, 16687-16704.	1.6	10
31	Remarkable adsorptive removal of nitrogen-containing compounds from hydrotreated fuel by molecularly imprinted poly-2-(1 <i>H</i> -imidazol-2-yl)-4-phenol nanofibers. <i>RSC Advances</i> , 2018, 8, 8039-8050.	1.7	9
32	Synthesis, crystal structure, and density functional theory study of a zinc(II) complex containing terpyridine and pyridine-2,6-dicarboxylic acid ligands: Analysis of the interactions with amoxicillin. <i>Comptes Rendus Chimie</i> , 2019, 22, 3-12.	0.2	9
33	Synthesis and crystal structures of zinc(II) coordination polymers of trimethylenedipyridine (tmdp), 4-nitrobenzoic (Hnba) and 4-biphenylcarboxylic acid (Hbiphen) for adsorptive removal of methyl orange from aqueous solution. <i>Polyhedron</i> , 2020, 192, 114819.	1.0	9
34	Electrochemical determination of trace sulfur containing compounds in model fuel based on a silver/polyaniline-modified electrode. <i>Analytical Methods</i> , 2020, 12, 1094-1106.	1.3	9
35	Separation of rhodium(III) and iridium(IV) chlorido complexes using polymer microspheres functionalized with quaternary diammonium groups. <i>Separation Science and Technology</i> , 2017, 52, 71-80.	1.3	8
36	Adsorptive denitrogenation of fuel over molecularly imprinted poly-2-(1 <i>H</i> -imidazol-2-yl)-4-phenol microspheres. <i>New Journal of Chemistry</i> , 2018, 42, 13135-13146.	1.4	8

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37	The Ratios of Vanadium-to-nickel and Phenanthrene-to-dibenzothiophene as Means of Identifying Petroleum Source and Classification of Nigeria Crude Oils. <i>Petroleum Science and Technology</i> , 2014, 32, 2283-2291.	0.7	7
38	Thermal Tolerance and Compatibility of NaOHâ€“Poly(vinyl alcohol) in Bitumen Emulsification for Improved Flow properties. <i>Energy & Fuels</i> , 2016, 30, 9310-9321.	2.5	7
39	Vanadium(IV) catalysed oxidation of organosulfur compounds in heavy fuel oil. <i>Comptes Rendus Chimie</i> , 2017, 20, 164-168.	0.2	7
40	Selective removal of pyridine in fuel by imprinted polymer (poly 4-vinyl aniline- <i>co</i> -DVB) as adsorbent. <i>Petroleum Science and Technology</i> , 2019, 37, 1691-1703.	0.7	7
41	Synthesis, characterization and density functional theory of copper(II) complex and cobalt(II) coordination polymer for detection of nitroaromatic explosives. <i>Inorganica Chimica Acta</i> , 2021, 515, 120048.	1.2	7
42	Synthesis and anticancer evaluation of copper(II)- and manganese(II)- theophylline mixed ligand complexes. <i>Polyhedron</i> , 2022, 214, 115649.	1.0	7
43	The Development of Palladium(II)-Specific Amine-Functionalized Silica-Based Microparticles: Adsorption and Column Separation Studies. <i>Separation Science and Technology</i> , 2015, 50, 1497-1506.	1.3	6
44	Selective removal of isoquinoline and quinoline from simulated fuel using 1,1â€“binaphthyl-2,2â€“diol (BINOL): crystal structure and evaluation of the adduct electronic properties. <i>RSC Advances</i> , 2016, 6, 39024-39038.	1.7	6
45	Influence of surface modification of zinc oxideâ€“based nanomaterials on the photocatalytic reduction of carbon dioxide. <i>Materials Today Chemistry</i> , 2021, 20, 100446.	1.7	5
46	Trans,trans,trans-[ReO ₂ I ₂ (PPh ₃) ₂], a rare rhenium(VI) complex â€“ Synthesis and DFT study. <i>Inorganic Chemistry Communication</i> , 2015, 51, 83-86.	1.8	4
47	Comparing the Catalytic Activity of Silica-Supported Vanadium Oxides and the Polymer Nanofiber-Supported Oxidovanadium(IV) Complex toward Oxidation of Refractory Organosulfur Compounds in Hydrotreated Diesel. <i>Energy & Fuels</i> , 2019, 33, 7595-7603.	2.5	4
48	Synthesis, structural and DFT investigation of Zn(nba) ₂ (meim) ₂ for adsorptive removal of eosin yellow dye from aqueous solution. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 783-793.	0.6	4
49	The oxidation of dibenzothiophene using oxidovanadium(IV)-containing nanofibres as catalyst. <i>South African Journal of Chemistry</i> , 2015, 68, 172-180.	0.3	4
50	Kinetic analysis and modeling of stability of bitumen-in-water emulsion stabilized by polyvinyl alcohol (PVA). <i>Petroleum Science and Technology</i> , 2016, 34, 184-191.	0.7	3
51	<i>SN</i> -Donor Methylthioanilines and Copper(II) Complexes: Synthesis, Spectral Properties, and <i>In Vitro</i> Antimicrobial Activity. <i>Heteroatom Chemistry</i> , 2019, 2019, 1-7.	0.4	3
52	Electrocatalytic Oxidation of Dibenzothiophene and 4,6-Dimethyldibenzothiophene at Gold-Polyaniline (Au-PANI) Composite Electrodes. <i>Electrocatalysis</i> , 2020, 11, 593-603.	1.5	3
53	Coordination Polymers and Polymer Nanofibers for Effective Adsorptive Desulfurization. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2020, , 168-234.	0.2	3
54	Effect of Adding Chelating Ligands on the Catalytic Performance of Rh-Promoted MoS ₂ in the Hydrodesulfurization of Dibenzothiophene. <i>Catalysts</i> , 2021, 11, 1398.	1.6	3

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55	Synthesis and Crystal Structures of Mn(II) and Co(II) Complexes as Catalysts for Oxidation of Cyclohexanone. <i>Inorganics</i> , 2022, 10, 100.	1.2	3
56	The oxidation of dibenzothiophene using oxidovanadium(IV)-containing nanofibres as catalyst. <i>South African Journal of Chemistry</i> , 2015, 68, .	0.3	2
57	Selective Removal of Organonitrogen Compounds in Fuel using Functional Polybenzimidazole Nanofibres: A Combined Experimental and Theoretical Study. <i>South African Journal of Chemistry</i> , 2019, 72, 88-100.	0.3	2
58	Synthesis, crystal structure and docking studies of tetracyclic 10-iodo-1,2-dihydroisoquinolino[2,1- <i>b</i>][1,2,4]benzothiadiazine 12,12-dioxide and its precursors. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 810-820.	0.2	2
59	Synthesis and characterization of ethylenediamine functionalized graphene oxide-modified UiO-66-NH ₂ for quinoline removal. <i>Carbon Letters</i> , 2022, 32, 1689-1702.	3.3	2
60	Simple ultrasound-heating process for preparation of magnetite-sulphur adsorbent for rapid uptake of phosphate ion in solution. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-24.	1.8	1
61	A Co-Crystallised Cobalt(II) Cluster of Pyridinedicarboxylic Acid (PDC) as a Luminescent Material for Selective Sensing of Methanol. <i>Journal of Fluorescence</i> , 2021, 31, 1177-1190.	1.3	1
62	Molecularly Imprinted Polymer Nanofibers for Adsorptive Desulfurization. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2016, , 281-336.	0.2	1
63	Cytotoxic, anti-mitotic and cytogenetic effects of the leaves and stems of <i>Olax subscorpioidea</i> Oliv. (Olapaceae) against <i>Artemia salina</i> nauplii and <i>Allium cepa</i> meristematic cells. <i>Makedonsko Farmaceutski Bilten</i> , 2019, 65, 3-10.	0.0	1
64	Coordination Polymers and Polymer Nanofibers for Effective Adsorptive Desulfurization. , 2021, , 730-783.		0
65	Calcium coordination compounds of anionic forms of hydrogen dipicolinate and quinolinate: synthesis, characterization, crystal structures and DFT studies. <i>Structural Chemistry</i> , 0, , 1.	1.0	0