

Adeniyi Ogunlaja

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

540

citations

13

h-index

20

g-index

65

ext. papers

665

ext. citations

3.1

avg. IF

4.22

L-index

#	Paper	IF	Citations
62	Oxovanadium(IV)-catalysed oxidation of dibenzothiophene and 4,6-dimethyldibenzothiophene. <i>Dalton Transactions</i> , 2012 , 41, 13908-18	4.3	49
61	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	3.9	42
60	Adsorption and separation of platinum and palladium by polyamine functionalized polystyrene-based beads and nanofibers. <i>Minerals Engineering</i> , 2013 , 53, 256-265	4.9	40
59	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	4.6	39
58	Design, fabrication and evaluation of intelligent sulfone-selective polybenzimidazole nanofibers. <i>Talanta</i> , 2014 , 126, 61-72	6.2	34
57	Imidazole-functionalized polymer microspheres and fibers [useful materials for immobilization of oxovanadium(IV) catalysts. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5792		27
56	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	5.1	22
55	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	5.9	16
54	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	4.4	15
53	Spectroscopic, structural and theoretical studies of copper(II) complexes of tridentate NOS Schiff bases. <i>Journal of Molecular Structure</i> , 2016 , 1122, 72-79	3.4	15
52	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	4.1	15
51	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	8.5	13
50	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	2.7	13
49	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	3.4	12
48	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	1.9	10
47	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	3.4	10
46	Nanofiber-supported metal-based catalysts. <i>Catalysis</i> , 144-174	1.6	10

45	Trimesic acid⊃heophylline and Isophthalic acid⊃Caffeine Cocrystals: Synthesis, Characterization, Solubility, Molecular Docking, and Antimicrobial Activity. <i>Crystal Growth and Design</i> , 2020 , 20, 3510-3522 ^{3.5}	10
44	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	4.7 10
43	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	2.3 10
42	Functional nanofibers for separation of rhodium(III) and iridium(IV) chlorido species. <i>Minerals Engineering</i> , 2016 , 87, 32-44	4.9 8
41	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	3.6 8
40	Thermal Tolerance and Compatibility of NaOH⊃Poly(vinyl alcohol) in Bitumen Emulsification for Improved Flow properties. <i>Energy & Fuels</i> , 2016 , 30, 9310-9321	4.1 7
39	Remarkable adsorptive removal of nitrogen-containing compounds from hydrotreated fuel by molecularly imprinted poly-2-(1-imidazol-2-yl)-4-phenol nanofibers.. <i>RSC Advances</i> , 2018 , 8, 8039-8050	3.7 6
38	Vanadium(IV) catalysed oxidation of organosulfur compounds in heavy fuel oil. <i>Comptes Rendus Chimie</i> , 2017 , 20, 164-168	2.7 6
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	1.4 6
36	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 ^{2.5}	5
35	Selective removal of isoquinoline and quinoline from simulated fuel using 1,1'-binaphthyl-2,2'-diol (BINOL): crystal structure and evaluation of the adduct electronic properties. <i>RSC Advances</i> , 2016 , 6, 39024-39038	3.7 5
34	New VO-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	4.3 5
33	Two-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	4.9 5
32	Construction of Co-doped TiO2/rGO nanocomposites for high-performance photoreduction of CO2 with H2O: Comparison of theoretical binding energies and exploration of surface chemistry. <i>Materials Chemistry and Physics</i> , 2021 , 268, 124733	4.4 5
31	Adsorptive denitrogenation of fuel over molecularly imprinted poly-2-(1H-imidazol-2-yl)-4-phenol microspheres. <i>New Journal of Chemistry</i> , 2018 , 42, 13135-13146	3.6 4
30	Microwave-Assisted Synthesis of Cobalt Oxide/Reduced Graphene Oxide (Co3O4⊃rGo) Composite and its Sulfite Enhanced Photocatalytic Degradation of Organic Dyes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020 , 234, 1681-1708	3.1 4
29	The oxidation of dibenzothiophene using oxidovanadium(IV)-containing nanofibres as catalyst. <i>South African Journal of Chemistry</i> , 2015 , 68, 172-180	1.8 4
28	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	3.2 4

27	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	2.7	4
26	Physical stability enhancement and antimicrobial properties of a sodium ionic cocrystal with theophylline. <i>CrystEngComm</i> , 2021 , 23, 335-352	3.3	4
25	Selective removal of pyridine in fuel by imprinted polymer (poly 4-vinyl aniline-co-DVB) as adsorbent. <i>Petroleum Science and Technology</i> , 2019 , 37, 1691-1703	1.4	3
24	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	2.7	3
23	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	1.4	3
22	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, 120078	2.7	3
21	Co-combustion Characteristics of coal-Scenedesmus Microalgae Blends and Their Resulting Ash. <i>Combustion Science and Technology</i> , 2021 , 193, 419-436	1.5	3
20	SN-Donor Methylthioanilines and Copper(II) Complexes: Synthesis, Spectral Properties, and In Vitro Antimicrobial Activity. <i>Heteroatom Chemistry</i> , 2019 , 2019, 1-7	1.2	2
19	Trans,trans,trans-[ReO ₂ I ₂ (PPh ₃) ₂], a rare rhenium(VI) complex [Synthesis and DFT study. <i>Inorganic Chemistry Communication</i> , 2015 , 51, 83-86	3.1	2
18	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	4.1	2
17	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	2.5	2
16	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	4.7	2
15	The oxidation of dibenzothiophene using oxidovanadium(IV)-containing nanofibres as catalyst. <i>South African Journal of Chemistry</i> , 2015 , 68,	1.8	2
14	Electrocatalytic Oxidation of Dibenzothiophene and 4,6-Dimethyldibenzothiophene at Gold-Polyaniline (Au-PANI) Composite Electrodes. <i>Electrocatalysis</i> , 2020 , 11, 593-603	2.7	2
13	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	3.4	2
12	Coordination Polymers and Polymer Nanofibers for Effective Adsorptive Desulfurization. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2020 , 168-234	0.2	1
11	Synthesis and anticancer evaluation of copper(II)- and manganese(II)- theophylline mixed ligand complexes. <i>Polyhedron</i> , 2022 , 214, 115649	2.7	1
10	Molecularly Imprinted Polymer Nanofibers for Adsorptive Desulfurization. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2016 , 281-336	0.2	1

9	Cytotoxic, anti-mitotic and cytogenetic effects of the leaves and stems of <i>Olax subscorpioidea</i> Oliv. (Olacaceae) against <i>Artemia salina</i> nauplii and <i>Allium cepa</i> meristematic cells. <i>Makedonsko Farmaceutski Bilten</i> , 2019 , 65, 3-10	0.1	1
8	Influence of surface modification of zinc oxide based nanomaterials on the photocatalytic reduction of carbon dioxide. <i>Materials Today Chemistry</i> , 2021 , 20, 100446	6.2	1
7	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	1.3	1
6	Synthesis, crystal structure and docking studies of tetracyclic 10-iodo-1,2-dihydroisoquinolino[2,1-b][1,2,4]benzothiadiazine 12,12-dioxide and its precursors. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020 , 76, 810-820	0.8	0
5	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	4	0
4	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> , 1-24	1.8	
3	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	2.4	
2	Coordination Polymers and Polymer Nanofibers for Effective Adsorptive Desulfurization 2021 , 730-783		
1	Calcium coordination compounds of anionic forms of hydrogen dipicolinate and quinolinate: synthesis, characterization, crystal structures and DFT studies. <i>Structural Chemistry</i> , 1	1.8	