

Damian C Onwudiwe

List of Publications by Year in descending order

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182
papers

4,581
citations

136950

32
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168389

53
g-index

182
all docs

182
docs citations

182
times ranked

3765
citing authors

#	ARTICLE	IF	CITATIONS
1	CuS, In ₂ S ₃ and CuInS ₂ nanoparticles by microwave-assisted solvothermal route and their electrochemical studies. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 160, 110319.	4.0	13
2	Nanocomposite of CeVO ₄ /BiVO ₄ Loaded on Reduced Graphene Oxide for the Photocatalytic Degradation of Methyl Orange. <i>Journal of Cluster Science</i> , 2022, 33, 2707-2721.	3.3	7
3	Metal dithiocarbamates as useful precursors to metal sulfides for application in quantum dot-sensitized solar cell. , 2022, , 305-339.		0
4	Agro-waste materials: Sustainable substrates in nanotechnology. , 2022, , 187-214.		3
5	Ni(II), Pd(II) and Pt(II) complexes of N,N-bis(3,3-dimethyl-allyl)-dithiocarbamate: Synthesis, spectroscopic characterization, antimicrobial and molecular docking studies. <i>Journal of Molecular Structure</i> , 2022, 1250, 131649.	3.6	6
6	UV-light assisted activation of persulfate by rGO-Cu ₃ BiS ₃ for the degradation of diclofenac. <i>Results in Chemistry</i> , 2022, 4, 100273.	2.0	13
7	Selective syntheses of kuramite (Cu ₂ SnS ₃) and petrukite (Cu ₃ SnS ₄) phases of copper tin sulphide, and their electrochemical and photocatalytic properties. <i>Results in Materials</i> , 2022, 13, 100249.	1.8	7
8	Structural and optical characterizations of Cu ₂ SnS ₃ nanoparticles and the electrochemical studies. <i>Results in Materials</i> , 2022, 13, 100251.	1.8	1
9	Evaluation of the photocatalytic and persulfate activation properties of GO-CuSbS ₂ composite. <i>Journal of Photochemistry and Photobiology</i> , 2022, 9, 100095.	2.5	6
10	The Versatility in the Applications of Dithiocarbamates. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1317.	4.1	43
11	Nanoarchitectonics of ZnO Nanoparticles Mediated by Extract of <i>Tulbaghia violacea</i> and Their Cytotoxicity Evaluation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3249-3259.	3.7	13
12	An Experimental and Theoretical Study of the Optical Properties of (C ₂ H ₇ N ₄ O) ₂ BiCl ₅ for an Optoelectronic Application. <i>Inorganics</i> , 2022, 10, 48.	2.7	5
13	Synthesis of Reduced Graphene Oxide/Copper Tin Sulfide (Cu ₂ SnS ₃) Composite for the Photocatalytic Degradation of Tetracycline. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2578-2590.	3.7	4
14	Green synthesis of zinc oxide nanoparticles using plantain peel extracts and the evaluation of their antibacterial activity. <i>Scientific African</i> , 2022, 16, e01152.	1.5	25
15	A Comparative Study of the Effect of Graphene Oxide, Graphitic Carbon Nitride, and Their Composite on the Photocatalytic Activity of Cu ₃ SnS ₄ . <i>Catalysts</i> , 2022, 12, 14.	3.5	8
16	Plant Extracts Mediated Metal-Based Nanoparticles: Synthesis and Biological Applications. <i>Biomolecules</i> , 2022, 12, 627.	4.0	47
17	Synthesis, Theoretical Calculation, and Biological Studies of Mono- and Diphenyltin(IV) Complexes of N-Methyl-N-hydroxyethylthiocarbamate. <i>Molecules</i> , 2022, 27, 2947.	3.8	3
18	Biosynthesis of ZnO Nanoparticles Using <i>Capsicum chinense</i> Fruit Extract and Their In Vitro Cytotoxicity and Antioxidant Assay. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4451.	2.5	14

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19	Electrically Modulated Near-Infrared/Visible Light Dual-Mode Perovskite Photodetectors. ACS Applied Materials & Interfaces, 2022, 14, 25824-25833.	8.0	18
20	Biogenic Synthesis of CuO, ZnO, and CuO@ZnO Nanoparticles Using Leaf Extracts of Dovyalis caffra and Their Biological Properties. Molecules, 2022, 27, 3206.	3.8	26
21	High Spectral Rejection Ratio Narrowband Photodetectors Based on Perovskite Heterojunctions. Advanced Electronic Materials, 2022, 8, .	5.1	9
22	Silver functionalized gC3N4: Photocatalytic potency for chromium(VI) reduction, and evaluation of the antioxidant and antimicrobial properties. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 432, 114107.	3.9	9
23	Urine: Useless or useful "waste"? Results in Engineering, 2022, 16, 100522.	5.1	7
24	Harnessing the Known and Unknown Impact of Nanotechnology on Enhancing Food Security and Reducing Postharvest Losses: Constraints and Future Prospects. Agronomy, 2022, 12, 1657.	3.0	15
25	Sol-Gel Synthesis and Electrochemical Sensing Properties of Brownmillerite Calcium Ferrite Ca ₂ Fe ₂ O ₅ Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3445-3458.	3.7	3
26	Ab initio study of the optoelectronic properties of \pm -Ba ₂ SnS ₄ . Materials Science in Semiconductor Processing, 2022, 150, 106917.	4.0	3
27	Biomediated Cellulose-Ag-ZnO Nanocomposites and Their Ecotoxicological Assessment Using Onion Bulb Plant. Journal of Cluster Science, 2021, 32, 651-656.	3.3	2
28	Conventional and Current Methods of Toxic Metals Removal from Water Using g-C ₃ N ₄ -Based Materials. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1419-1442.	3.7	27
29	Synthesis, characterization, and cyclic voltammetry of nickel sulphide and nickel oxide nanoparticles obtained from Ni(II) dithiocarbamate. Materials Science in Semiconductor Processing, 2021, 121, 105315.	4.0	21
30	Simultaneous removal of organics and heavy metals from industrial wastewater: A review. Chemosphere, 2021, 262, 128379.	8.2	221
31	Bismuth sulfide based compounds: Properties, synthesis and applications. Results in Chemistry, 2021, 3, 100151.	2.0	47
32	Photocatalytic degradation of methyl blue in water using sawdust-derived cellulose nanocrystals-metal oxide nanocomposite. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2542-2552.	3.7	18
33	Graphene-Based Composites as Catalysts for the Degradation of Pharmaceuticals. International Journal of Environmental Research and Public Health, 2021, 18, 1529.	2.6	17
34	Photocatalytic Inactivation as a Method of Elimination of E. coli from Drinking Water. Applied Sciences (Switzerland), 2021, 11, 1313.	2.5	18
35	SPECTROSCOPIC AND STRUCTURAL CHARACTERIZATION OF Zn(II) BIS(N-ETHYL-N-ETHANOL) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 62, 412-421.	1.0	3
36	Structural studies and morphological properties of antimony sulphide nanorods obtained by solvothermal synthesis. Physica B: Condensed Matter, 2021, 605, 412691.	2.7	8

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37	Facile synthesis of cellulose-ZnO-hybrid nanocomposite using Hibiscus rosa-sinensis leaf extract and their antibacterial activities. Applied Nanoscience (Switzerland), 2021, 11, 1349-1358.	3.1	14
38	Green Synthesis, Structural Characterization and Photocatalytic Activities of Chitosan-ZnO Nano-composite. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3356-3367.	3.7	13
39	The performance of bismuth-based compounds in photocatalytic applications. Surfaces and Interfaces, 2021, 23, 100927.	3.0	31
40	Stoichiometric phases and mechanism of crystal phase selectivity of copper-based ternary sulphides. Materials Science in Semiconductor Processing, 2021, 125, 105627.	4.0	7
41	Mineralization of Antibiotics in Wastewater Via Photocatalysis. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	20
42	Temperature Controlled Evolution of Pure Phase Cu ₉ S ₅ Nanoparticles by Solvothermal Process. Frontiers in Materials, 2021, 8, .	2.4	6
43	Ce ₂ O ₃ /BiVO ₄ Embedded in rGO as Photocatalyst for the Degradation of Methyl Orange under Visible Light Irradiation. J, 2021, 4, 154-168.	0.9	5
44	Controlled Synthesis of CuS and Cu ₉ S ₅ and Their Application in the Photocatalytic Mineralization of Tetracycline. Catalysts, 2021, 11, 899.	3.5	9
45	Low-noise X-ray PIN photodiodes made of perovskite single crystals by solution-processed dopant incorporated epitaxial growth. Nano Energy, 2021, 89, 106311.	16.0	17
46	Photocatalytic removal of parabens and halogenated products in wastewater: a review. Environmental Chemistry Letters, 2021, 19, 3789-3819.	16.2	25
47	Microwave-Assisted Synthesis of Bi ₂ S ₃ and Sb ₂ S ₃ Nanoparticles and Their Photoelectrochemical Properties. ACS Omega, 2021, 6, 18975-18987.	3.5	25
48	Synthesis, computational and biological studies of alkyltin(IV) N-methyl-N-hydroxyethyl dithiocarbamate complexes. Heliyon, 2021, 7, e07693.	3.2	10
49	Copper Dithiocarbamates: Coordination Chemistry and Applications in Materials Science, Biosciences and Beyond. Inorganics, 2021, 9, 70.	2.7	26
50	Adsorption and photocatalytic removal of Rhodamine B from wastewater using carbon-based materials. FlatChem, 2021, 29, 100277.	5.6	43
51	Hexavalent chromium reduction by ZnO, SnO ₂ and ZnO-SnO ₂ synthesized using biosurfactants from extract of Solanum macrocarpon. South African Journal of Chemical Engineering, 2021, 38, 21-33.	2.4	3
52	The structural chemistry of zinc(ii) and nickel(ii) dithiocarbamate complexes. Open Chemistry, 2021, 19, 974-986.	1.9	13
53	Photocatalytic Degradation of Tetracycline in Aqueous Solution Using Copper Sulfide Nanoparticles. Catalysts, 2021, 11, 1238.	3.5	8
54	Antimicrobial activities of Cu(II), In(III), and Sb(III) complexes of N-methyl-N-phenyl dithiocarbamate complexes. Results in Chemistry, 2021, 3, 100241.	2.0	7

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55	Synthesis, optical and structural characterisation of ZnS nanoparticles derived from Zn(ii) dithiocarbamate complexes. <i>Open Chemistry</i> , 2021, 19, 1134-1147.	1.9	6
56	Solvothermal synthesis of pure and Sn-doped Bi ₂ S ₃ and the evaluation of their photocatalytic activity on the degradation of methylene blue. <i>BMC Chemistry</i> , 2021, 15, 65.	3.8	13
57	Green synthesis of copper oxide nanoparticles using extracts of <i>Solanum macrocarpon</i> fruit and their redox responses on SPAu electrode. <i>Heliyon</i> , 2021, 7, e08571.	3.2	10
58	Eco-friendly Synthesis of Copper Oxide, Zinc Oxide and Copper Oxide-Zinc Oxide Nanocomposites, and Their Anticancer Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 400-409.	3.7	56
59	Recent Strategies for Environmental Remediation of Organochlorine Pesticides. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6286.	2.5	44
60	Graphitic carbon nitride-based catalysts and their applications: A review. <i>Nano Structures Nano Objects</i> , 2020, 24, 100577.	3.5	66
61	Photo enhanced degradation of contaminants of emerging concern in waste water. <i>Emerging Contaminants</i> , 2020, 6, 283-302.	4.9	46
62	Morphological variations in Bi ₂ S ₃ nanoparticles synthesized by using a single source precursor. <i>Heliyon</i> , 2020, 6, e04505.	3.2	28
63	Phytonanotechnology and synthesis of silver nanoparticles. , 2020, , 71-96.		3
64	Metal oxide-cellulose nanocomposites for the removal of toxic metals and dyes from wastewater. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2477-2496.	7.5	110
65	Photo enhanced degradation of polyfluoroalkyl and perfluoroalkyl substances. <i>Heliyon</i> , 2020, 6, e05614.	3.2	30
66	Light-trapping mechanism of subwavelength nanorod arrays. <i>Optik</i> , 2020, 216, 164862.	2.9	0
67	Copper-based ternary metal sulfide nanocrystals embedded in graphene oxide as photocatalyst in water treatment. , 2020, , 51-113.		4
68	PbS Nanoparticles Prepared Using 1, 10-Phenanthroline Adduct of Lead(II) Bis(N-alkyl-N-phenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	3.8	10
69	Photocatalytic reduction of Cr(VI) using star-shaped Bi ₂ S ₃ obtained from microwave irradiation of bismuth complex. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103816.	6.7	19
70	The mechanisms of action involving dithiocarbamate complexes in biological systems. <i>Inorganica Chimica Acta</i> , 2020, 511, 119809.	2.4	22
71	SnS ₂ and SnO ₂ Nanoparticles Obtained from Organotin(IV) Dithiocarbamate Complex and Their Photocatalytic Activities on Methylene Blue. <i>Materials</i> , 2020, 13, 2766.	2.9	10
72	Chemistry and Some Biological Potential of Bismuth and Antimony Dithiocarbamate Complexes. <i>Molecules</i> , 2020, 25, 305.	3.8	37

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73	Eco-friendly synthesis of silver nanoparticles using Umbrella plant, and evaluation of their photocatalytic and antibacterial activities. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 389-399.	1.6	11
74	Eco-friendly synthesis, structural properties and morphology of cobalt hydroxide and cobalt oxide nanoparticles using extract of Litchi chinensis. <i>Nano Structures Nano Objects</i> , 2020, 23, 100470.	3.5	27
75	Diorganotin(IV) benzylthiocarbamate complexes: synthesis, characterization, and thermal and cytotoxicity study. <i>Open Chemistry</i> , 2020, 18, 453-462.	1.9	11
76	Antimicrobial and Cytotoxicity Studies of Some Organotin(IV) N-ethyl-N-phenyl Dithiocarbamate Complexes. <i>Polish Journal of Environmental Studies</i> , 2020, 29, 2525-2532.	1.2	6
77	Noble metal "semiconductor nanocomposites for optical, energy and electronics applications. <i>Solar Energy Materials and Solar Cells</i> , 2019, 201, 110106.	6.2	31
78	Optical and Structural Properties of Tin Sulfide Nanoparticles Obtained via Solvothermal Routes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 998-1003.	1.2	2
79	Facile Synthesis of Rod-Shaped Bi ₂ S ₃ by Microwave Irradiation of Single Source Precursor. <i>Journal of Nano Research</i> , 2019, 58, 80-89.	0.8	5
80	Bio-inspired synthesis and cytotoxic evaluation of silver-gold bimetallic nanoparticles using Kei-Apple (<i>Dovyalis caffra</i>) fruits. <i>Inorganic Chemistry Communication</i> , 2019, 109, 107569.	3.9	28
81	The Role of Nanotechnology in the Fortification of Plant Nutrients and Improvement of Crop Production. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 499.	2.5	238
82	Synthesis of nanostructured ZnO, AgZnO and the composites with reduced graphene oxide (rGO-AgZnO) using leaf extract of <i>Stigmaphyllon ovatum</i> . <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103190.	6.7	25
83	Synthesis, characterization and the use of organotin(IV) dithiocarbamate complexes as precursor to tin sulfide nanoparticles by heat up approach. <i>Journal of Molecular Structure</i> , 2019, 1195, 395-402.	3.6	20
84	Microwave-assisted synthesis of PbS nanostructures. <i>Heliyon</i> , 2019, 5, e01413.	3.2	44
85	Organotin(IV) N-butyl-N-phenylthiocarbamate complexes: Synthesis, characterization, biological evaluation and molecular docking studies. <i>Journal of Molecular Structure</i> , 2019, 1192, 15-26.	3.6	14
86	Thermal Analysis, Morphology and Electrochemical Application of Graphene Decorated SnO ₂ Nanoparticles. <i>Macromolecular Symposia</i> , 2019, 384, 1800147.	0.7	0
87	The heat-up synthesis of monodispersed Bi ₂ S ₃ and Cu ₇ S ₄ nanoparticles from novel precursor complexes and their characterizations. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 92-98.	4.0	15
88	Phyto-assisted Preparation of Ag and Ag-CuO Nanoparticles Using Aqueous Extracts of <i>Mimosa pigra</i> and their Catalytic Activities in the Degradation of Some Common Pollutants. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1798-1806.	3.7	17
89	Cytotoxicity of Ag, Au and Ag-Au bimetallic nanoparticles prepared using golden rod (<i>Solidago</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.3	104
90	CuO and Au-CuO nanoparticles mediated by <i>Stigmaphyllon ovatum</i> leaf extract and their anticancer potential. <i>Inorganic Chemistry Communication</i> , 2019, 104, 93-97.	3.9	21

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91	Green synthesis of Ag, Au and Ag-Au bimetallic nanoparticles using <i>Stigmaphyllon ovatum</i> leaf extract and their in vitro anticancer potential. <i>Materials Letters</i> , 2019, 243, 148-152.	2.6	81
92	Facile synthesis and structural characterization of zinc stannate/tin oxide and zinc stannate/tin composites for the removal of methylene blue from water. <i>Materials Research Express</i> , 2019, 6, 125025.	1.6	4
93	Green synthesis of ZnO nanoparticles using aqueous <i>Brassica oleracea</i> L. var. <i>italica</i> and the photocatalytic activity. <i>Green Chemistry Letters and Reviews</i> , 2019, 12, 444-457.	4.7	125
94	Nano-sized SnO ₂ by a facile nanosecond laser irradiation in aqueous solution. <i>Materials Research Express</i> , 2019, 6, 125004.	1.6	3
95	ZnO nanoparticles mediated by aqueous extracts of <i>Dovyalis caffra</i> fruits and the photocatalytic evaluations. <i>Materials Research Express</i> , 2019, 6, 125091.	1.6	20
96	Green synthesis and electrochemistry of Ag, Au, and Ag@Au bimetallic nanoparticles using golden rod (<i>Solidago canadensis</i>) leaf extract. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	62
97	Synthesis, characterization, and cytotoxicity study of organotin(IV) complexes involving different dithiocarbamate groups. <i>Journal of Molecular Structure</i> , 2019, 1179, 366-375.	3.6	17
98	Group 10 metal complexes of dithiocarbamates derived from primary anilines: Synthesis, characterization, computational and antimicrobial studies. <i>Polyhedron</i> , 2019, 158, 296-310.	2.2	16
99	Coordination compounds of heterocyclic bases: synthesis, characterization, computational and biological studies. <i>Research on Chemical Intermediates</i> , 2019, 45, 1169-1205.	2.7	15
100	Synthesis and comparative study on the anti-corrosion potentials of some Schiff base compounds bearing similar backbone. <i>Journal of Molecular Liquids</i> , 2019, 276, 233-242.	4.9	19
101	Synthesis, characterization and biological activities of organotin(IV) diallyldithiocarbamate complexes. <i>Inorganica Chimica Acta</i> , 2019, 485, 64-72.	2.4	36
102	Silver Nanoparticles Mediated By Extract Of Guar Plant (<i>Cyamopsis Tetragonoloba</i>), And Evaluation Of Their Photocatalytic And Antibacterial Properties. <i>Advanced Materials Letters</i> , 2019, 10, 284-293.	0.6	2
103	Synthesis, characterization, antimicrobial activity and DFT studies of 2-(pyrimidin-2-ylamino)naphthalene-1,4-dione and its Mn(II), Co(II), Ni(II) and Zn(II) complexes. <i>Journal of Molecular Structure</i> , 2018, 1163, 455-464.	3.6	30
104	Synthesis, characterization, in-vitro antimicrobial properties, molecular docking and DFT studies of 3- <i>E</i> -[(4,6-dimethylpyrimidin-2-yl)imino]methyl naphthalen-2-ol and Heteroleptic Mn(II), Co(II), Ni(II) and Zn(II) complexes. <i>Open Chemistry</i> , 2018, 16, 184-200.	1.9	30
105	Nickel(II) and copper(II) complexes of 2,2'-bibenzo[<i>d</i>]thiazole: Synthesis, characterisation and biological studies. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4241.	3.5	3
106	Synthesis, characterization and antimicrobial studies of organotin(IV) complexes of N-methyl-N-phenyldithiocarbamate. <i>Inorganica Chimica Acta</i> , 2018, 477, 148-159.	2.4	33
107	Synthesis and characterization of homoleptic group 10 dithiocarbamate complexes and heteroleptic Ni(II) complexes, and the use of the homoleptic Ni(II) for the preparation of nickel sulphide nanoparticles. <i>Journal of Molecular Structure</i> , 2018, 1164, 475-485.	3.6	17
108	Synthesis, characterization, molecular docking, biological activity and density functional theory studies of novel 1,4-naphthoquinone derivatives and Pd(II), Ni(II) and Co(II) complexes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4310.	3.5	29

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109	Kinetics of fresh and fermented palm wine (<i>Raphia hookeri</i>) biosynthesized silver nanoparticles and their antibacterial activities. <i>Journal of the Chinese Advanced Materials Society</i> , 2018, 6, 17-29.	0.7	2
110	Experimental and theoretical studies of (Z)-N-(2-chlorobenzylidene) naphthalen-1-amine and (Z)-N-(3-nitrobenzylidene)naphthalen-1-amine, and their corrosion inhibition properties. <i>Journal of Molecular Structure</i> , 2018, 1155, 123-132.	3.6	26
111	Syntheses and characterization of nickel(II) dithiocarbamate complexes containing NiS 4 and NiS 2 PN moieties: Nickel sulphide nanoparticles from a single source precursor. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 381-395.	5.2	25
112	Synthesis, structural characterization, and thermal stability studies of heteroleptic cadmium(II) dithiocarbamate with different pyridyl groups. <i>Journal of Molecular Structure</i> , 2018, 1152, 409-421.	3.6	14
113	Organotin(IV) complexes derived from N -ethyl- N -phenyldithiocarbamate: Synthesis, characterization and thermal studies. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 427-438.	5.2	24
114	Organomercury complexes bearing (thioxothiazolidin-5-yl)methyl moiety by intramolecular heteromercuration reaction of diallyldithiocarbamate. <i>Inorganica Chimica Acta</i> , 2018, 471, 257-264.	2.4	11
115	Surface characterisation and reaction kinetics of silver nanoparticles mediated by the leaf and flower extracts of French marigold (<i>Tagetes patula</i>). <i>IET Nanobiotechnology</i> , 2018, 12, 957-962.	3.8	8
116	Organotin(IV) Dithiocarbamate Complexes: Chemistry and Biological Activity. <i>Molecules</i> , 2018, 23, 2571.	3.8	98
117	Synthesis and characterization of Schiff bases NBBA, MNBA and CNBA. <i>Heliyon</i> , 2018, 4, e00670.	3.2	4
118	Aqueous extract of broccoli mediated synthesis of CaO nanoparticles and its application in the photocatalytic degradation of bromocrescol green. <i>IET Nanobiotechnology</i> , 2018, 12, 888-894.	3.8	38
119	Synthesis and characterisation of silver nanoparticles using leaf extract of <i>Artemisia afra</i> and their in vitro antimicrobial and antioxidant activities. <i>IET Nanobiotechnology</i> , 2018, 12, 722-726.	3.8	17
120	Synthesis, experimental and theoretical characterization, and antimicrobial studies of some Fe(II), Co(II), and Ni(II) complexes of 2-(4,6-dihydroxypyrimidin-2-ylamino)naphthalene-1,4-dione. <i>Research on Chemical Intermediates</i> , 2018, 44, 5857-5877.	2.7	14
121	Synthesis, crystal structure, electrochemical and anti-corrosion studies of Schiff base derived from o-toluidine and o-chlorobenzaldehyde. <i>Journal of Molecular Structure</i> , 2017, 1136, 253-262.	3.6	45
122	Phytosynthesis of silver nanoparticles using aqueous leaf extracts of <i>Lippia citriodora</i> : Antimicrobial, larvicidal and photocatalytic evaluations. <i>Materials Science and Engineering C</i> , 2017, 75, 980-989.	7.3	95
123	Plant-mediated biosynthesis of silver nanoparticles by leaf extracts of <i>Lasienthra africanum</i> and a study of the influence of kinetic parameters. <i>Bulletin of Materials Science</i> , 2017, 40, 129-137.	1.7	27
124	Biosynthesis and Photocatalytic Properties of SnO ₂ Nanoparticles Prepared Using Aqueous Extract of Cauliflower. <i>Journal of Cluster Science</i> , 2017, 28, 1883-1896.	3.3	47
125	Synthesis, structures, spectral properties and DFT quantum chemical calculations of (E)-4-(((4-propylphenyl)imino)methyl)phenol and (E)-4-((2-tolylimino)methyl)phenol; their corrosion inhibition studies of mild steel in aqueous HCl. <i>Journal of Molecular Structure</i> , 2017, 1141, 12-22.	3.6	24
126	Coordination behaviours of new (bidentate N,O-chelating) Schiff bases towards copper(II) and nickel(II) metal ions: synthesis, characterization, antimicrobial, antioxidant, and DFT studies. <i>Research on Chemical Intermediates</i> , 2017, 43, 3787-3811.	2.7	30

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127	Synthesis, characterization, DFT calculations and molecular docking studies of metal (II) complexes. <i>Journal of Molecular Structure</i> , 2017, 1150, 279-292.	3.6	40
128	Synthesis, crystal structures, quantum chemical studies and corrosion inhibition potentials of 4-(((4-ethylphenyl)imino)methyl)phenol and (E)-4-((naphthalen-2-ylimino) methyl) phenol Schiff bases. <i>Journal of Molecular Structure</i> , 2017, 1147, 252-265.	3.6	33
129	Biosynthesis, characterization, and antimicrobial effect of silver nanoparticles obtained using <i>Lavandula</i> \bar{A} —intermedia. <i>Research on Chemical Intermediates</i> , 2017, 43, 1383-1394.	2.7	28
130	Biosynthesis, Electrochemical, Antimicrobial and Antioxidant Studies of Silver Nanoparticles Mediated by <i>Talinum triangulare</i> Aqueous Leaf Extract. <i>Journal of Cluster Science</i> , 2017, 28, 309-330.	3.3	22
131	Synthesis, characterization, thermal, antimicrobial and antioxidant studies of some transition metal dithiocarbamates. <i>Research on Chemical Intermediates</i> , 2017, 43, 1465-1485.	2.7	25
132	Green Synthesis of Ag/Ag ₂ O Nanoparticles Using Aqueous Leaf Extract of <i>Eupatorium odoratum</i> and Its Antimicrobial and Mosquito Larvicidal Activities. <i>Molecules</i> , 2017, 22, 674.	3.8	58
133	Silver Nanoparticles Mediated by <i>Costus afer</i> Leaf Extract: Synthesis, Antibacterial, Antioxidant and Electrochemical Properties. <i>Molecules</i> , 2017, 22, 701.	3.8	70
134	Bis($\bar{1}/4$ - <i>N,N</i> -diallyldithiocarbamato)bis[(<i>N,N</i> -diallyldithiocarbamato)cadmium]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1353-1356.	0.5	2
135	Synthesis, Characterization, Antimicrobial Studies and Corrosion Inhibition Potential of 1,8-dimethyl-1,3,6,8,10,13-hexaazacyclotetradecane: Experimental and Quantum Chemical Studies. <i>Materials</i> , 2016, 9, 107.	2.9	26
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