

# Damian C Onwudiwe

## List of Publications by Year in descending order

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182  
papers

4,581  
citations

136950

32  
h-index

168389

53  
g-index

182  
all docs

182  
docs citations

182  
times ranked

3765  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Simultaneous removal of organics and heavy metals from industrial wastewater: A review. <i>Chemosphere</i> , 2021, 262, 128379.	8.2	221
3	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
4	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
5	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
6	Organotin(IV) Dithiocarbamate Complexes: Chemistry and Biological Activity. <i>Molecules</i> , 2018, 23, 2571.	3.8	98
7	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
8	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
9	Synthesis and characterization of metal complexes of N-alkyl-N-phenyl dithiocarbamates. <i>Polyhedron</i> , 2010, 29, 1431-1436.	2.2	75
10	Synthesis, Characterization and Thermal Studies of Zn(II), Cd(II) and Hg(II) Complexes of N-Methyl-N-Phenyldithiocarbamate: The Single Crystal Structure of [(C <sub>6</sub> H <sub>5</sub> )(CH <sub>3</sub> )NCS <sub>2</sub> ] <sub>4</sub> Hg <sub>2</sub> . <i>International Journal of Molecular Sciences</i> , 2011, 12, 1964-1978.	4.1	75
11	ZnS, CdS and HgS Nanoparticles via Alkyl-Phenyl Dithiocarbamate Complexes as Single Source Precursors. <i>International Journal of Molecular Sciences</i> , 2011, 12, 5538-5551.	4.1	71
12	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
13	Graphitic carbon nitride-based catalysts and their applications: A review. <i>Nano Structures Nano Objects</i> , 2020, 24, 100577.	3.5	66
14	Synthesis of hexadecylamine capped nanoparticles using group 12 complexes of N-alkyl-N-phenyl dithiocarbamate as single-source precursors. <i>Polyhedron</i> , 2011, 30, 246-252.	2.2	62
15	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
16	Green Synthesis of Ag/Ag <sub>2</sub> 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
17	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
18	Biosynthesis and Photocatalytic Properties of SnO <sub>2</sub> Nanoparticles Prepared Using Aqueous Extract of Cauliflower. <i>Journal of Cluster Science</i> , 2017, 28, 1883-1896.	3.3	47

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19	Bismuth sulfide based compounds: Properties, synthesis and applications. <i>Results in Chemistry</i> , 2021, 3, 100151.	2.0	47
20	Plant Extracts Mediated Metal-Based Nanoparticles: Synthesis and Biological Applications. <i>Biomolecules</i> , 2022, 12, 627.	4.0	47
21	Photo enhanced degradation of contaminants of emerging concern in waste water. <i>Emerging Contaminants</i> , 2020, 6, 283-302.	4.9	46
22	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
23	Microwave-assisted synthesis of PbS nanostructures. <i>Heliyon</i> , 2019, 5, e01413.	3.2	44
24	Recent Strategies for Environmental Remediation of Organochlorine Pesticides. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6286.	2.5	44
25	Adsorption and photocatalytic removal of Rhodamine B from wastewater using carbon-based materials. <i>FlatChem</i> , 2021, 29, 100277.	5.6	43
26	The Versatility in the Applications of Dithiocarbamates. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1317.	4.1	43
27	Zn(II), Cd(II) and Hg(II) complexes of N-methyl-N-phenyl dithiocarbamate as single-source precursors for the synthesis of metal sulfide nanoparticles. <i>Materials Letters</i> , 2011, 65, 3258-3261.	2.6	41
28	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
29	Thermal Studies of Zn(II), Cd(II) and Hg(II) Complexes of Some N-Alkyl-N-Phenyl-Dithiocarbamates. <i>International Journal of Molecular Sciences</i> , 2012, 13, 9502-9513.	4.1	39
30	Nanosecond laser irradiation synthesis of CdS nanoparticles in a PVA system. <i>Applied Surface Science</i> , 2014, 290, 18-26.	6.1	39
31	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
32	Chemistry and Some Biological Potential of Bismuth and Antimony Dithiocarbamate Complexes. <i>Molecules</i> , 2020, 25, 305.	3.8	37
33	Synthesis, characterization and biological activities of organotin(IV) diallyldithiocarbamate complexes. <i>Inorganica Chimica Acta</i> , 2019, 485, 64-72.	2.4	36
34	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
35	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
36	Spectral, thermal stability and antibacterial studies of copper, nickel and cobalt complexes of N-methyl-N-phenyl dithiocarbamate. <i>Journal of Sulfur Chemistry</i> , 2015, 36, 96-104.	2.0	31

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37	Noble metal "semiconductor nanocomposites for optical, energy and electronics applications. <i>Solar Energy Materials and Solar Cells</i> , 2019, 201, 110106.	6.2	31
38	The performance of bismuth-based compounds in photocatalytic applications. <i>Surfaces and Interfaces</i> , 2021, 23, 100927.	3.0	31
39	Fe(II) and Fe(III) complexes of N-ethyl-N-phenyl dithiocarbamate: Electrical conductivity studies and Thermal properties. <i>Electrochimica Acta</i> , 2014, 127, 283-289.	5.2	30
40	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
41	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
42	Synthesis, characterization, <i>in-vitro</i> 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
43	Photo enhanced degradation of polyfluoroalkyl and perfluoroalkyl substances. <i>Heliyon</i> , 2020, 6, e05614.	3.2	30
44	Synthesis, spectral and thermal studies of 2,2'-bipyridyl adducts of bis(N-alkyl-N-phenyldithiocarbamato)zinc(II). <i>Journal of Molecular Structure</i> , 2011, 987, 58-66.	3.6	29
45	Synthesis, DFT Calculation, and Antimicrobial Studies of Novel Zn(II), Co(II), Cu(II), and Mn(II) Heteroleptic Complexes Containing Benzoylacetone and Dithiocarbamate. <i>Bioinorganic Chemistry and Applications</i> , 2015, 2015, 1-12.	4.1	29
46	Synthesis, characterization and antimicrobial properties of some mixed ligand complexes of Zn(II) dithiocarbamate with different N-donor ligands. <i>Inorganica Chimica Acta</i> , 2016, 447, 134-141.	2.4	29
47	Syntheses, characterization, and antimicrobial properties of nickel(II) dithiocarbamate complexes containing NiS <sub>4</sub> and NiS <sub>2</sub> PN moieties. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2454-2468.	2.2	29
48	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
49	Synthesis, characterization, and dielectric properties of N-butyl aniline capped CdS nanoparticles. <i>Electrochimica Acta</i> , 2014, 116, 217-223.	5.2	28
50	The bipyridine adducts of N-phenyldithiocarbamate complexes of Zn(II) and Cd(II); synthesis, spectral, thermal decomposition studies and use as precursors for ZnS and CdS nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 1080-1089.	3.9	28
51	Biosynthesis, characterization, and antimicrobial effect of silver nanoparticles obtained using <i>Lavandula</i> "intermedia". <i>Research on Chemical Intermediates</i> , 2017, 43, 1383-1394.	2.7	28
52	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
53	Morphological variations in Bi <sub>2</sub> S <sub>3</sub> nanoparticles synthesized by using a single source precursor. <i>Heliyon</i> , 2020, 6, e04505.	3.2	28
54	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

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55	Conventional and Current Methods of Toxic Metals Removal from Water Using g-C <sub>3</sub> N <sub>4</sub> -Based Materials. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1419-1442.	3.7	27
56	Eco-friendly synthesis, structural properties and morphology of cobalt hydroxide and cobalt oxide nanoparticles using extract of <i>Litchi chinensis</i> . <i>Nano Structures Nano Objects</i> , 2020, 23, 100470.	3.5	27
57	Laser assisted solid state reaction for the synthesis of ZnS and CdS nanoparticles from metal xanthate. <i>Materials Letters</i> , 2014, 116, 154-159.	2.6	26
58	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
59	Synthesis, Biological, and Quantum Chemical Studies of Zn(II) and Ni(II) Mixed-Ligand Complexes Derived from N,N-Disubstituted Dithiocarbamate and Benzoic Acid. <i>Journal of Chemistry</i> , 2016, 2016, 1-12.	1.9	26
60	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
61	Copper Dithiocarbamates: Coordination Chemistry and Applications in Materials Science, Biosciences and Beyond. <i>Inorganics</i> , 2021, 9, 70.	2.7	26
62	Biogenic Synthesis of CuO, ZnO, and CuO@ZnO Nanoparticles Using Leaf Extracts of <i>Dovyalis caffra</i> and Their Biological Properties. <i>Molecules</i> , 2022, 27, 3206.	3.8	26
63	Synthesis, spectroscopic characterization and behavior of AC impedance spectroscopy of Cd(II) bis(N-para-methylphenyl dithiocarbamate). <i>Electrochimica Acta</i> , 2013, 104, 19-25.	5.2	25
64	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
65	Syntheses and characterization of nickel(II) dithiocarbamate complexes containing NiS <sub>4</sub> and NiS <sub>2</sub> PN moieties: Nickel sulphide nanoparticles from a single source precursor. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 381-395.	5.2	25
66	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
67	Photocatalytic removal of parabens and halogenated products in wastewater: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3789-3819.	16.2	25
68	Microwave-Assisted Synthesis of Bi <sub>2</sub> S <sub>3</sub> and Sb <sub>2</sub> S <sub>3</sub> Nanoparticles and Their Photoelectrochemical Properties. <i>ACS Omega</i> , 2021, 6, 18975-18987.	3.5	25
69	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
70	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
71	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
72	Mixed Ligand Complexes of N-Methyl-N-phenyl Dithiocarbamate: Synthesis, Characterisation, Antifungal Activity, and Solvent Extraction Studies of the Ligand. <i>Bioinorganic Chemistry and Applications</i> , 2015, 2015, 1-10.	4.1	23

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73	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
74	The mechanisms of action involving dithiocarbamate complexes in biological systems. <i>Inorganica Chimica Acta</i> , 2020, 511, 119809.	2.4	22
75	Effect of some nitrogen donor ligands on the optical and structural properties of CdS nanoparticles. <i>New Journal of Chemistry</i> , 2013, 37, 834.	2.8	21
76	Surfactant mediated synthesis of ZnO nanospheres at elevated temperature, and their dielectric properties. <i>Superlattices and Microstructures</i> , 2015, 81, 215-225.	3.1	21
77	Palladium(II) and platinum(II) complexes of N-butyl-N-phenyldithiocarbamate: Synthesis, characterization, biological activities and molecular docking studies. <i>Inorganica Chimica Acta</i> , 2016, 450, 69-80.	2.4	21
78	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
79	Synthesis, characterization, and cyclic voltammetry of nickel sulphide and nickel oxide nanoparticles obtained from Ni(II) dithiocarbamate. <i>Materials Science in Semiconductor Processing</i> , 2021, 121, 105315.	4.0	21
80	Bis diallyl dithiocarbamate Pt(II) complex: synthesis, characterization, thermal decomposition studies, and experimental and theoretical studies on its crystal structure. <i>Journal of Sulfur Chemistry</i> , 2015, 36, 36-47.	2.0	20
81	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
82	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
83	Mineralization of Antibiotics in Wastewater Via Photocatalysis. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	20
84	Laser-assisted synthesis, and structural and thermal properties of ZnS nanoparticles stabilised in polyvinylpyrrolidone. <i>Applied Surface Science</i> , 2014, 321, 197-204.	6.1	19
85	Synthesis, Structural and Optical Properties of TOPO and HDA Capped Cadmium Sulphide Nanocrystals, and the Effect of Capping Ligand Concentration. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	2.7	19
86	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
87	Photocatalytic reduction of Cr(VI) using star-shaped Bi <sub>2</sub> S <sub>3</sub> obtained from microwave irradiation of bismuth complex. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103816.	6.7	19
88	Synthesis and Crystal Structure of Bis(N-alkyl-N-phenyl dithiocarbamato)mercury(II). <i>Journal of Chemical Crystallography</i> , 2011, 41, 980-985.	1.1	18
89	A study of the thermal and AC impedance properties of N-phenyldithiocarbamate complexes of Zn(II). <i>Electrochimica Acta</i> , 2013, 109, 809-817.	5.2	18
90	Colloidal synthesis of monodispersed ZnS and CdS nanocrystals from novel zinc and cadmium complexes. <i>Superlattices and Microstructures</i> , 2014, 70, 98-108.	3.1	18

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91	Photocatalytic degradation of methyl blue in water using sawdust-derived cellulose nanocrystals-metal oxide nanocomposite. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2542-2552.	3.7	18
92	Photocatalytic Inactivation as a Method of Elimination of E. coli from Drinking Water. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1313.	2.5	18
93	Electrically Modulated Near-Infrared/Visible Light Dual-Mode Perovskite Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 25824-25833.	8.0	18
94	Synthesis and Characterization of Zn(II), Cd(II), and Hg(II) Alkyl-aryl Dithiocarbamate: X-ray Crystal Structure of [(C <sub>6</sub> H <sub>5</sub> N(et)CS <sub>2</sub> )Hg(C <sub>6</sub> H <sub>5</sub> N(butyl)CS <sub>2</sub> )]. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2010, 40, 279-284.	0.6	17
95	Eco-friendly synthesis of AgNPs using <i>Verbascum thapsus</i> extract and its photocatalytic activity. <i>Materials Letters</i> , 2016, 185, 452-455.	2.6	17
96	Synthesis and properties of ZnS nanoparticles by solvothermal and pyrolysis routes using the Zn dithiocarbamate complex as novel single source precursor. <i>Journal of Sulfur Chemistry</i> , 2016, 37, 37-47.	2.0	17
97	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
98	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
99	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
100	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
101	Graphene-Based Composites as Catalysts for the Degradation of Pharmaceuticals. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1529.	2.6	17
102	Low-noise X-ray PIN photodiodes made of perovskite single crystals by solution-processed dopant incorporated epitaxial growth. <i>Nano Energy</i> , 2021, 89, 106311.	16.0	17
103	Effect of temperature on the optical and structural properties of hexadecylamine capped ZnS nanoparticles using Zinc(II) N-ethyl-N-phenyldithiocarbamate as single source precursor. <i>Materials Research Bulletin</i> , 2012, 47, 4445-4451.	5.2	16
104	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
105	Synthesis, spectral and thermal studies of pyridyl adducts of Zn(II) and Cd(II) dithiocarbamates, and their use as single source precursors for ZnS and CdS nanoparticles. <i>Dalton Transactions</i> , 2014, 43, 8703-8712.	3.3	15
106	The heat-up synthesis of monodispersed Bi <sub>2</sub> S <sub>3</sub> and Cu <sub>7</sub> S <sub>4</sub> nanoparticles from novel precursor complexes and their characterizations. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 92-98.	4.0	15
107	Coordination compounds of heterocyclic bases: synthesis, characterization, computational and biological studies. <i>Research on Chemical Intermediates</i> , 2019, 45, 1169-1205.	2.7	15
108	Harnessing the Known and Unknown Impact of Nanotechnology on Enhancing Food Security and Reducing Postharvest Losses: Constraints and Future Prospects. <i>Agronomy</i> , 2022, 12, 1657.	3.0	15

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109	Synthesis, characterization and thermal studies of 2,2'-bipyridine adduct of bis-(N-alkyl-N-phenyl) Tj ETQq1 1 0.784314 rgBT /Overl	3.6	14
110	Synthesis, structural characterization, and thermal stability studies of heteroleptic cadmium(II) dithiocarbamate with different pyridyl groups. Journal of Molecular Structure, 2018, 1152, 409-421.	3.6	14
111	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. Research on Chemical Intermediates, 2018, 44, 5857-5877.	2.7	14
112	Organotin(IV) N-butyl-N-phenyldithiocarbamate complexes: Synthesis, characterization, biological evaluation and molecular docking studies. Journal of Molecular Structure, 2019, 1192, 15-26.	3.6	14
113	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
114	Biosynthesis of ZnO Nanoparticles Using Capsicum chinense Fruit Extract and Their In Vitro Cytotoxicity and Antioxidant Assay. Applied Sciences (Switzerland), 2022, 12, 4451.	2.5	14
115	Synthesis and characterization of group 12 complexes of Ni(II), Ni(II)-methyl phenyl-N-butyl phenyl dithiocarbamate. Journal of Coordination Chemistry, 2011, 64, 2963-2973.	2.2	13
116	Synthesis, crystal structure, thermal and theoretical studies of bis(N-ethyl-N-phenyldithiocarbamate) Ni(II) and (N-ethyl-N-phenyldithiocarbamate) (isothiocyanato) (triphenylphosphine) Ni(II). Journal of Chemical Sciences, 2016, 128, 1081-1093.	1.5	13
117	Green Synthesis, Structural Characterization and Photocatalytic Activities of Chitosan-ZnO Nanocomposite. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3356-3367.	3.7	13
118	CuS, In <sub>2</sub> S <sub>3</sub> and CuInS <sub>2</sub> nanoparticles by microwave-assisted solvothermal route and their electrochemical studies. Journal of Physics and Chemistry of Solids, 2022, 160, 110319.	4.0	13
119	The structural chemistry of zinc(II) and nickel(II) dithiocarbamate complexes. Open Chemistry, 2021, 19, 974-986.	1.9	13
120	UV-light assisted activation of persulfate by rGO-Cu <sub>3</sub> BiS <sub>3</sub> for the degradation of diclofenac. Results in Chemistry, 2022, 4, 100273.	2.0	13
121	Nanoarchitectonics of ZnO Nanoparticles Mediated by Extract of Tulbaghia violacea and Their Cytotoxicity Evaluation. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3249-3259.	3.7	13
122	Solvothermal synthesis of pure and Sn-doped Bi <sub>2</sub> S <sub>3</sub> and the evaluation of their photocatalytic activity on the degradation of methylene blue. BMC Chemistry, 2021, 15, 65.	3.8	13
123	Effect of methyl substituent in pyridine on the spectral and thermal properties of pyridyl adducts of Zn(II) and Cd(II) dithiocarbamate. Inorganica Chimica Acta, 2013, 401, 1-10.	2.4	12
124	Organomercury complexes bearing (thioxothiazolidin-5-yl)methyl moiety by intramolecular heteromercuriation reaction of diallyldithiocarbamate. Inorganica Chimica Acta, 2018, 471, 257-264.	2.4	11
125	Eco-friendly synthesis of silver nanoparticles using Umbrella plant, and evaluation of their photocatalytic and antibacterial activities. Inorganic and Nano-Metal Chemistry, 2020, 50, 389-399.	1.6	11
126	Diorganotin(IV) benzyldithiocarbamate complexes: synthesis, characterization, and thermal and cytotoxicity study. Open Chemistry, 2020, 18, 453-462.	1.9	11



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127	PbS Nanoparticles Prepared Using 1, 10-Phenanthroline Adduct of Lead(II) Bis(N-alkyl-N-phenyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.8	10
128	SnS <sub>2</sub> and SnO <sub>2</sub> Nanoparticles Obtained from Organotin(IV) Dithiocarbamate Complex and Their Photocatalytic Activities on Methylene Blue. <i>Materials</i> , 2020, 13, 2766.	2.9	10
129	Synthesis, computational and biological studies of alkyltin(IV) N-methyl-N-hydroxyethyl dithiocarbamate complexes. <i>Heliyon</i> , 2021, 7, e07693.	3.2	10
130	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
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135	Structural studies and morphological properties of antimony sulphide nanorods obtained by solvothermal synthesis. <i>Physica B: Condensed Matter</i> , 2021, 605, 412691.	2.7	8
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139	Stoichiometric phases and mechanism of crystal phase selectivity of copper-based ternary sulphides. <i>Materials Science in Semiconductor Processing</i> , 2021, 125, 105627.	4.0	7
140	Nanocomposite of CeVO <sub>4</sub> /BiVO <sub>4</sub> 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
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142	Selective syntheses of kuramite (Cu <sub>2</sub> SnS <sub>3</sub> ) and petrukite (Cu <sub>3</sub> SnS <sub>4</sub> ) phases of copper tin sulphide, and their electrochemical and photocatalytic properties. <i>Results in Materials</i> , 2022, 13, 100249.	1.8	7
143	Urine: Useless or useful "waste"? <i>Results in Engineering</i> , 2022, 16, 100522.	5.1	7
144	Colloidal-route synthesis of N-butylaniline capped ZnS and CdS nanoparticles. <i>Materials Letters</i> , 2013, 92, 71-74.	2.6	6

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147	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
148	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
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