

Ramasamy Karvembu

List of Publications by Year in descending order

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159
papers

4,359
citations

81889

39
h-index

155644

55
g-index

159
all docs

159
docs citations

159
times ranked

3736
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of lattice strain in nanocrystalline RuO ₂ by Williamson-Hall and size-strain plot methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 43-50.	3.9	137
2	Synthesis, DNA/protein binding, molecular docking, DNA cleavage and in vitro anticancer activity of nickel bis(thiosemicarbazone) complexes. <i>RSC Advances</i> , 2015, 5, 46031-46049.	3.6	135
3	Dry Synthesis of Easily Tunable Nano Ruthenium Supported on Graphene: Novel Nanocatalysts for Aerial Oxidation of Alcohols and Transfer Hydrogenation of Ketones. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23582-23596.	3.1	93
4	Noble metal/functionalized cellulose nanofiber composites for catalytic applications. <i>Carbohydrate Polymers</i> , 2015, 132, 554-564.	10.2	91
5	Chiral (1- <i>p</i> -Cymene)ruthenium(II) Complexes Containing Monodentate Acylthiourea Ligands for Efficient Asymmetric Transfer Hydrogenation of Ketones. <i>Organometallics</i> , 2014, 33, 540-550.	2.3	90
6	Half-sandwich RuCl ₂ (1- <i>p</i> -cymene) core complexes containing sulfur donor aroylthiourea ligands: DNA and protein binding, DNA cleavage and cytotoxic studies. <i>Dalton Transactions</i> , 2016, 45, 12518-12531.	3.3	81
7	Water-Soluble Mono- and Binuclear Ru(1- <i>p</i> -cymene) Complexes Containing Indole Thiosemicarbazones: Synthesis, DFT Modeling, Biomolecular Interactions, and In Vitro Anticancer Activity through Apoptosis. <i>Organometallics</i> , 2018, 37, 1242-1257.	2.3	77
8	Synthesis of Palladium(II) Complexes via Michael Addition: Antiproliferative Effects through ROS-Mediated Mitochondrial Apoptosis and Docking with SARS-CoV-2. <i>Inorganic Chemistry</i> , 2020, 59, 17109-17122.	4.0	74
9	Synthesis of Ni(II) complexes bearing indole-based thiosemicarbazone ligands for interaction with biomolecules and some biological applications. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 461-480.	2.6	73
10	DNA/protein binding, DNA cleavage, cytotoxicity, superoxide radical scavenging and molecular docking studies of copper complexes containing N-benzyl-N-aryl-benzoylguanidine ligands. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 780-798.	6.0	72
11	Versatile coordination behavior of N,N-di(alkyl/aryl)-N-benzoylthiourea ligands: Synthesis, crystal structure and cytotoxicity of palladium(II) complexes. <i>Inorganica Chimica Acta</i> , 2011, 376, 278-284.	2.4	70
12	CuO Nanoparticles: A Simple, Effective, Ligand Free, and Reusable Heterogeneous Catalyst for N-Arylation of Benzimidazole. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9594-9600.	3.7	69
13	Nickel(II) bis(isatin thiosemicarbazone) complexes induced apoptosis through mitochondrial signaling pathway and G0/G1 cell cycle arrest in IM-9 cells. <i>Journal of Inorganic Biochemistry</i> , 2018, 182, 208-221.	3.5	68
14	Monodentate coordination of N-[di(phenyl/ethyl)carbamothioyl]benzamide ligands: synthesis, crystal structure and catalytic oxidation property of Cu(I) complexes. <i>Dalton Transactions</i> , 2011, 40, 12519.	3.3	65
15	Impact of aliphatic acyl and aromatic thioamide substituents on the anticancer activity of Ru(1- <i>p</i> -cymene) complexes with acylthiourea ligands: in vitro and in vivo studies. <i>Dalton Transactions</i> , 2021, 50, 16311-16325.	3.3	63
16	Synthesis of Ru benzene complexes containing aroylthiourea ligands, and their binding with biomolecules and in vitro cytotoxicity through apoptosis. <i>New Journal of Chemistry</i> , 2017, 41, 2672-2686.	2.8	62
17	Synthesis, X-ray crystal structure, DNA/protein binding, DNA cleavage and cytotoxicity studies of N(4) substituted thiosemicarbazone based copper(II)/nickel(II) complexes. <i>Inorganica Chimica Acta</i> , 2016, 449, 82-95.	2.4	59
18	Ruthenium(II) carbonyl complexes containing pincer like ONS donor Schiff base and triphenylphosphine as catalyst for selective oxidation of alcohols at room temperature. <i>Journal of Organometallic Chemistry</i> , 2012, 700, 194-201.	1.8	58

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19	Copper, nickel and zinc complexes of 3-acetyl coumarin thiosemicarbazone: Synthesis, characterization and in vitro evaluation of cytotoxicity and DNA/protein binding properties. <i>Polyhedron</i> , 2017, 135, 26-35.	2.2	58
20	Sustainable and Versatile CuO/GNS Nanocatalyst for Highly Efficient Base Free Coupling Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2478-2488.	6.7	57
21	Tris-chelate complexes of cobalt(III) with N-[di(alkyl/aryl)carbamothioyl] benzamide derivatives: Synthesis, crystallography and catalytic activity in TBHP oxidation of alcohols. <i>Journal of Molecular Catalysis A</i> , 2012, 353-354, 156-162.	4.8	55
22	Highly Active, Selective, and Reusable RuO ₂ /SWCNT Catalyst for Heck Olefination of Aryl Halides. <i>ACS Catalysis</i> , 2014, 4, 2118-2129.	11.2	55
23	High-Performance Sodium Ion Capacitor Based on MoO ₂ @rGO Nanocomposite and Goat Hair Derived Carbon Electrodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 841-850.	5.1	55
24	Self-assembled Cu(II) and Ni(II) metallamacrocycles formed from 3,3,3',3'-tetrabenzyl-1,1'-bi(2-thiourea) ligands: DNA and protein binding studies, and cytotoxicity of trinuclear complexes. <i>Dalton Transactions</i> , 2014, 43, 16395-16410.	3.3	53
25	An investigation on the DNA/protein binding, DNA cleavage and in vitro anticancer properties of SNO pincer type palladium(II) complexes with N-substituted isatin thiosemicarbazone ligands. <i>Inorganica Chimica Acta</i> , 2017, 466, 61-70.	2.4	53
26	Synthesis, structures and mechanistic pathways of anticancer activity of palladium(II) complexes with indole-3-carbaldehyde thiosemicarbazones. <i>New Journal of Chemistry</i> , 2018, 42, 10818-10832.	2.8	53
27	Synthesis and Anticancer Activity of [RuCl ₂ (⁶ -arene)(arylothiourea)] Complexes—High Activity against the Human Neuroblastoma (IMR-32) Cancer Cell Line. <i>ACS Omega</i> , 2019, 4, 6245-6256.	3.5	52
28	Catalytic and antimicrobial activities of new ruthenium(II) unsymmetrical Schiff base complexes. <i>Transition Metal Chemistry</i> , 2002, 27, 790-794.	1.4	50
29	Isatin based thiosemicarbazone derivatives as potential bioactive agents: Anti-oxidant and molecular docking studies. <i>Journal of Molecular Structure</i> , 2016, 1110, 185-195.	3.6	49
30	Coordination Behavior of Ni(II), Ni(II)·2, Ni(II)·3-Trisubstituted Guanidine Ligands in Their Ru(II)-Arene Complexes: Synthetic, DNA/Protein Binding, and Cytotoxic Studies. <i>Organometallics</i> , 2019, 38, 753-770.	2.3	48
31	Synthesis, structural characterization and cytotoxicity of nickel(II) complexes containing 3,3-dialkyl/aryl-1-benzoylthiourea ligands. <i>Inorganica Chimica Acta</i> , 2013, 404, 82-87.	2.4	47
32	Synthesis, structure, DNA and protein binding studies, and cytotoxic activity of nickel(II) complexes containing 3,3-dialkyl/aryl-1-(2,4-dichlorobenzoyl)thiourea ligands. <i>Polyhedron</i> , 2014, 75, 95-109.	2.2	46
33	Thiosemicarbazone(s)-anchored water soluble mono- and bimetallic Cu(II) complexes: enzyme-like activities, biomolecular interactions, anticancer property and real-time live cytotoxicity. <i>Dalton Transactions</i> , 2020, 49, 9411-9424.	3.3	46
34	Copper Based Nanoparticles-Catalyzed Organic Transformations. <i>Catalysis Surveys From Asia</i> , 2013, 17, 156-176.	2.6	45
35	Synthesis, crystal structure, and in vitro and in silico molecular docking of novel acyl thiourea derivatives. <i>Journal of Molecular Structure</i> , 2015, 1094, 281-291.	3.6	45
36	Synthesis, Structural, Biological Evaluation, Molecular Docking and DFT Studies of Co(II), Ni(II), Cu(II), Zn(II), Cd(II) and Hg(II) Complexes bearing Heterocyclic Thiosemicarbazone ligand. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4415.	3.5	45

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37	Synthesis, characterization, and catalytic applications of Ru(III) complexes containing N-[di(alkyl/aryl)carbamothioyl]benzamide derivatives and triphenylphosphine/triphenylarsine. <i>Inorganic Chemistry Communication</i> , 2010, 13, 952-955.	3.9	44
38	Facile and homogeneous decoration of RuO ₂ nanorods on graphene nanoplatelets for transfer hydrogenation of carbonyl compounds. <i>Catalysis Science and Technology</i> , 2013, 3, 1485.	4.1	44
39	Ruthenium(II) carbonyl complexes with N-[di(alkyl/aryl)carbamothioyl]benzamide derivatives and triphenylphosphine as effective catalysts for oxidation of alcohols. <i>Journal of Coordination Chemistry</i> , 2011, 64, 491-501.	2.2	42
40	Catalytic N-oxidation of tertiary amines on RuO ₂ NPs anchored graphene nanoplatelets. <i>Catalysis Science and Technology</i> , 2014, 4, 2099.	4.1	40
41	In vitro antioxidant, antiinflammatory and in silico molecular docking studies of thiosemicarbazones. <i>Journal of Molecular Structure</i> , 2017, 1145, 160-169.	3.6	40
42	Design and synthesis of heterocyclic azole based bioactive compounds: Molecular structures, quantum simulation, and mechanistic studies through docking as multi-target inhibitors of SARS-CoV-2 and cytotoxicity. <i>Journal of Molecular Structure</i> , 2022, 1250, 131782.	3.6	40
43	DNA/protein binding and cytotoxicity studies of copper(II) complexes containing N,N,N',N'-trisubstituted guanidine ligands. <i>RSC Advances</i> , 2014, 4, 17179.	3.6	39
44	Palladium(II) complexes with salicylideneimine based tridentate ligand and triphenylphosphine: Synthesis, structure and catalytic activity in Suzuki-Miyaura cross coupling reactions. <i>Inorganica Chimica Acta</i> , 2013, 394, 391-400.	2.4	37
45	Copper(II) oxide on aluminosilicate mediated Heck coupling of styrene with aryl halides in water. <i>RSC Advances</i> , 2013, 3, 7774.	3.6	36
46	Title is missing!. <i>Transition Metal Chemistry</i> , 2002, 27, 631-638.	1.4	35
47	Title is missing!. <i>Transition Metal Chemistry</i> , 2002, 27, 574-579.	1.4	35
48	Unprecedented formation of palladium(II)-pyrazole based thiourea from chromone thiosemicarbazone and [PdCl ₂ (PPh ₃) ₂]: Interaction with biomolecules and apoptosis through mitochondrial signaling pathway. <i>Journal of Inorganic Biochemistry</i> , 2020, 205, 110988.	3.5	34
49	Piano stool Ru(II)-arene complexes having three monodentate legs: A comprehensive review on their development as anticancer therapeutics over the past decade. <i>Coordination Chemistry Reviews</i> , 2022, 459, 214403.	18.8	34
50	Heterostructure of two different 2D materials based on MoS ₂ nanoflowers@rGO: an electrode material for sodium-ion capacitors. <i>Nanoscale Advances</i> , 2019, 1, 334-341.	4.6	33
51	N-substitution in isatin thiosemicarbazones decides nuclearity of Cu(II) complexes – Spectroscopic, molecular docking and cytotoxic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 118963.	3.9	33
52	Coordination Behavior of Acylthiourea Ligands in Their Ru(II)-Benzene Complexes – Structures and Anticancer Activity. <i>Organometallics</i> , 2022, 41, 1621-1630.	2.3	33
53	Mild oxidation of alcohols with periodic acid catalyzed by [Ru(acac) ₂ (CH ₃ CN) ₂]PF ₆ in water. <i>Catalysis Communications</i> , 2009, 10, 1835-1838.	3.3	31
54	Copper Ion Mediated Selective Cleavage of C-S Bond in Ferrocenylthiosemicarbazone Forming Mixed Geometrical [(PPh ₃) ₃ Cu(1/4-S) ₂ Cu(PPh ₃) ₃] ₂ Having Cu ₂ S ₂ Core: Toward a New Avenue in Copper-Sulfur Chemistry. <i>Inorganic Chemistry</i> , 2012, 51, 3525-3532.	4.0	29

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55	Hydrothermal synthesis and characterization of ruthenium oxide nanosheets using polymer additive for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 323-330.	2.2	29
56	Zinc(II) complexes of indole thiosemicarbazones: DNA/protein binding, molecular docking and in vitro cytotoxicity studies. <i>Polyhedron</i> , 2019, 170, 188-201.	2.2	29
57	Half-sandwich Ru(η -6-p-cymene) complexes featuring pyrazole appended ligands: Synthesis, DNA binding and in vitro cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2019, 194, 74-84.	3.5	29
58	Physicochemical Studies of 4-Substituted <i>N</i> -(2-Mercaptophenyl)Salicylideneimines: Corrosion Inhibition of Mild Steel in an Acid Medium. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 567-576.	2.1	28
59	Half-sandwich Ru(η -C ₆ H ₆) complexes with chiral aroylthioureas for enhanced asymmetric transfer hydrogenation of ketones – experimental and theoretical studies. <i>Catalysis Science and Technology</i> , 2015, 5, 4790-4799.	4.1	28
60	Tetranuclear Palladacycles of 3-Acetyl-7-methoxy-2-H-chromen-2-one Derived Schiff Bases: Efficient Catalysts for Suzuki–Miyaura Coupling in an Aqueous Medium. <i>Inorganic Chemistry</i> , 2019, 58, 8045-8055.	4.0	28
61	Hypodentate coordination of <i>N,N</i> -di(alkyl/aryl)- <i>N</i> -acylthiourea derivatives in Cu(I) complexes. <i>Polyhedron</i> , 2012, 34, 41-45.	2.2	26
62	Highly active copper complexes of aroylthiourea ligands against cancer cells – synthetic and biological studies. <i>New Journal of Chemistry</i> , 2019, 43, 3188-3198.	2.8	26
63	Effect of morphology and (Sn, Cr) doping on in vitro antiproliferation properties of hydrothermally synthesized 1D GaOOH nanostructures. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 351-363.	3.1	26
64	Synthetic and catalytic investigations of ruthenium(III) complexes with triphenylphosphine/triphenylarsine and tridentate Schiff base. <i>Applied Organometallic Chemistry</i> , 2007, 21, 788-793.	3.5	24
65	Ru(II)- <i>p</i> -cymene Thiosemicarbazone Complexes as Inhibitors of Amyloid β (A β) Peptide Aggregation and A β -Induced Cytotoxicity. <i>ChemistrySelect</i> , 2017, 2, 11638-11644.	1.5	24
66	Half-sandwich Ru(II)(η -6-p-cymene) complexes bearing <i>N</i> -dibenzosuberenyl appended thiourea for catalytic transfer hydrogenation and in vitro anticancer activity. <i>Polyhedron</i> , 2018, 152, 147-154.	2.2	24
67	Synthesis and Anticancer Properties of Bis- and Mono(cationic peptide) Hybrids of Cyclometalated Iridium(III) Complexes: Effect of the Number of Peptide Units on Anticancer Activity. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1796-1814.	2.0	24
68	Structural diversity in aroylthiourea copper complexes – formation and biological evaluation of [Cu(η -S)SCl] ₂ , cis-Cu(η -S) ₂ O ₂ , trans-Cu(η -S) ₂ O ₂ and Cu(η -S) ₃ cores. <i>New Journal of Chemistry</i> , 2016, 40, 5401-5413.	2.8	23
69	Enhanced anticancer activity of half-sandwich Ru(II)- <i>p</i> -cymene complex bearing heterocyclic hydrazone ligand. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108054.	3.9	23
70	Tunable Anticancer Activity of Furoylthiourea-Based Ru ^{II} -Arene Complexes and Their Mechanism of Action. <i>Chemistry - A European Journal</i> , 2021, 27, 7418-7433.	3.3	23
71	Effect of <i>N</i> -benzyl group in indole scaffold of thiosemicarbazones on the biological activity of their Pd(II) complexes: DFT, biomolecular interactions, in silico docking, ADME and cytotoxicity studies. <i>Inorganica Chimica Acta</i> , 2022, 534, 120805.	2.4	23
72	Synthesis, spectral, electrochemical and catalytic studies of new Ru(III) tetradentate Schiff base complexes. <i>Applied Organometallic Chemistry</i> , 2007, 21, 952-957.	3.5	22

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73	Remarkable catalytic activity of [PdCl ₂ (CH ₃ CN) ₂] in Suzuki–Miyaura cross-coupling reaction in aqueous media under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2013, 371, 118-124.	4.8	22
74	Molecular structures, Hirshfeld analysis and biological investigations of isatin based thiosemicarbazones. <i>Journal of Molecular Structure</i> , 2019, 1198, 126904.	3.6	22
75	Preparation of mesoporous stannosilicates SnTUD-1 and catalytic activity in levulinic acid esterification. <i>Microporous and Mesoporous Materials</i> , 2019, 287, 159-166.	4.4	22
76	Novel binuclear palladium(II) complexes of 2-oxoquinoline-3-carbaldehyde Schiff bases: Synthesis, structure and catalytic applications. <i>Polyhedron</i> , 2012, 34, 143-148.	2.2	21
77	SYNTHESIS, CHARACTERISATION, CATALYTIC, AND BIOCIDAL STUDIES OF RUTHENIUM(III) COMPLEXES WITH THIOSEMICARBAZONES OF ̢ ² -DIKETOESTERS. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2002, 32, 1099-1113.	1.8	20
78	Highly efficient homogeneous and heterogenized ruthenium catalysts for transfer hydrogenation of carbonyl compounds. <i>RSC Advances</i> , 2014, 4, 27955-27962.	3.6	20
79	Synthesis, characterization and catalytic oxidation property of copper(I) complexes containing monodentate acylthiourea ligands and triphenylphosphine. <i>Polyhedron</i> , 2017, 122, 39-45.	2.2	20
80	Iron and chromium MOFs as sustainable catalysts for transfer hydrogenation of carbonyl compounds and biomass conversions. <i>New Journal of Chemistry</i> , 2020, 44, 8223-8231.	2.8	20
81	NMR (1D and 2D) and X-ray crystallographic studies of Ni(II) complex with N-(2-mercaptophenyl)-4-methoxysalicylideneimine and triphenylphosphine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 411-418.	3.9	19
82	Synthesis, structure, and pharmacological evaluation of Co(III) complex containing tridentate Schiff base ligand. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015, 41, 345-352.	1.0	19
83	Magnetically retrievable lepidocrocite supported copper oxide nanocatalyst (Fe–CuO) for N-arylation of imidazole. <i>RSC Advances</i> , 2015, 5, 8571-8578.	3.6	19
84	Utilization of Human Hair as a Synergistic Support for Ag, Au, Cu, Ni, and Ru Nanoparticles: Application in Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1926-1939.	3.7	19
85	Towards phosphine-free Pd(II) pincer complexes for catalyzing Suzuki–Miyaura cross-coupling reaction in aqueous medium. <i>Journal of Organometallic Chemistry</i> , 2017, 845, 115-124.	1.8	19
86	Chemoselective transfer hydrogenation of nitroarenes, ketones and aldehydes using acylthiourea based Ru(II)(p-cymene) complexes as precatalysts. <i>Journal of Organometallic Chemistry</i> , 2018, 876, 57-65.	1.8	19
87	Half-sandwich Ru (II) complexes containing (N, O) Schiff base ligands: Catalysts for base-free transfer hydrogenation of ketones. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5111.	3.5	19
88	Recent Advances in Cobalt-Catalyzed, Directing-Group-Assisted C–H Bond Amidation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4309-4331.	4.3	19
89	Photodegradation of dyes by a novel TiO ₂ /u-RuO ₂ /GNS nanocatalyst derived from Ru/GNS after its use as a catalyst in the aerial oxidation of primary alcohols (GNS=Graphene nanosheets). <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 115, 759-772.	1.7	18
90	Green synthesis of CuO nanoflakes from copper pincer complex for effective N-arylation of benzimidazole. <i>Catalysis Communications</i> , 2016, 75, 50-54.	3.3	18

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91	Synthesis, cytotoxicity and docking studies (with SARS-CoV-2) of water-soluble binuclear Ru-p-cymene complex holding indole thiosemicarbazone ligand. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109029.	3.9	18
92	Spectroscopic, anticancer and antioxidant studies of fluxional trans-[PdCl ₂ (S-acylthiourea) ₂] complexes. <i>Results in Chemistry</i> , 2021, 3, 100157.	2.0	17
93	Studies on ruthenium(III) chalcone thiosemicarbazone complexes as catalysts for carbon-carbon coupling. <i>Journal of Coordination Chemistry</i> , 2010, 63, 296-306.	2.2	16
94	Synthesis, spectroscopic characterization and catalytic oxidation properties of ONO/ONS donor Schiff base ruthenium(III) complexes containing PPh ₃ /AsPh ₃ . <i>Journal of Chemical Sciences</i> , 2011, 123, 319-325.	1.5	16
95	NHC-catalyzed green synthesis of functionalized chromones: DFT mechanistic insights and <i>in vitro</i> activities in cancer cells. <i>New Journal of Chemistry</i> , 2019, 43, 13509-13525.	2.8	16
96	Chemosensing, molecular docking and antioxidant studies of 8-aminoquinoline appended acylthiourea derivatives. <i>Journal of Molecular Structure</i> , 2019, 1185, 450-460.	3.6	16
97	Naphthalenyl appended semicarbazone as a fluorescent chemosensor for selective recognition of fluoride ion. <i>Journal of Molecular Structure</i> , 2017, 1145, 347-355.	3.6	15
98	NHC catalyzed enantioselective Coates-Claisen rearrangement: a rapid access to the dihydropyran core for oleuropein based secoiridoids. <i>New Journal of Chemistry</i> , 2018, 42, 1832-1839.	2.8	15
99	Phosphazene-Based Covalent Organic Polymer Decorated with NiCo ₂ O ₄ Nanocuboids as a Trifunctional Electrocatalyst: A Unique Replacement for the Conventional Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2021, 4, 9341-9352.	5.1	15
100	Ruthenium(III) Schiff Base Complexes: Catalytic Activity in Aryl-Aryl Coupling Reaction and Antimicrobial Activity. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2003, 33, 1535-1553.	1.8	14
101	Cu/AlO(OH)-catalyzed formation of β -enamino ketones/esters under solvent, ligand and base free conditions - experimental and computational studies. <i>Catalysis Science and Technology</i> , 2012, 2, 1872.	4.1	14
102	Ru(II)-benzene Complexes of Dibenzosuberonyl Appended Aroyl/Acylthiourea Ligands: <i>In vitro</i> Biomolecular Interaction Studies and Catalytic Transfer Hydrogenation. <i>ChemistrySelect</i> , 2018, 3, 18-28.	1.5	14
103	Development of thiosemicarbazone-based transition metal complexes as homogeneous catalysts for various organic transformations. <i>Inorganica Chimica Acta</i> , 2022, 532, 120742.	2.4	14
104	Vibrational spectroscopic (FT-IR, FT-Raman), anti-inflammatory, docking and molecular characteristic studies of Ni(II) complex of 2-aminonicotinaldehyde using theoretical and experimental methods. <i>Journal of Molecular Structure</i> , 2019, 1175, 769-781.	3.6	13
105	Tuning acylthiourea ligands in Ru(II) catalysts for altering the reactivity and chemoselectivity of transfer hydrogenation reactions, and synthesis of 3-isopropoxy-1H-indole through a new synthetic approach. <i>Journal of Organometallic Chemistry</i> , 2020, 908, 121087.	1.8	13
106	Synthesis, structure, biological/chemosensor evaluation and molecular docking studies of aminobenzothiazole Schiff bases. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 2590-2612.	2.6	13
107	Ru(p-cymene) complexes containing esters of chiral phenylalanine derived aroylthiourea ligands for enantioselective reduction of pro-chiral ketones. <i>RSC Advances</i> , 2016, 6, 68494-68503.	3.6	12
108	Pd/AlO(OH): A Heterogeneous, Stable and Recyclable Catalyst for N-Arylation of Aniline Under Ligand-Free Aerobic Condition. <i>Catalysis Letters</i> , 2017, 147, 2619-2629.	2.6	12

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109	Asymmetric hydrogenation of pro-chiral ketones catalyzed by chiral Ru(II)-benzene organometallic compounds containing amino acid based aroylthiourea ligands. <i>Journal of Organometallic Chemistry</i> , 2017, 831, 45-49.	1.8	11
110	Catalytic Assessment of Copper(I) Complexes and a Polymer Analog towards the One-Pot Synthesis of Imines and Quinoxalines. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3588-3596.	2.0	11
111	2- α -Thiophenecarboxaldehyde derived thiosemicarbazone metal complexes of copper(II), palladium(II) and zinc(II) ions: Synthesis, spectroscopic characterization, anticancer activity and DNA binding studies. <i>Inorganica Chimica Acta</i> , 2021, 524, 120440.	2.4	11
112	2- α -(1-(S)-2-(R)-hydroxyphenylpropan-2-ylimino)methyl]phenol for Inhibition of Acid Corrosion of Mild Steel. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 751-756.	2.1	10
113	Crystal structures of two hydrazinecarbothioamide derivatives: (<i>E</i>)- <i>N</i> -ethyl-2-[(4-oxo-4 <i>H</i> -chromen-3-yl)methylidene]hydrazinecarbothioamide hemihydrate and (<i>E</i>)-2-[(4-chloro-2 <i>H</i> -chromen-3-yl)methylidene]- <i>N</i> -phenylhydrazinecarbothioamide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 305-308.	0.5	10
114	An Acylthiourea Ligated Fe(II) Complex on Silica Nanoparticles for Transfer Hydrogenation of Carbonyl Compounds. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14386-14393.	3.7	10
115	Experimental and theoretical analyses on structural (monomer and dimeric form), spectroscopic and electronic properties of an organic semiconductor 2,6-dimethoxyanthracene. <i>Indian Journal of Physics</i> , 2020, 94, 1153-1167.	1.8	10
116	Ruthenium π -p-cymene complexes with acylthiourea, and its heterogenized form on graphene oxide act as catalysts for the synthesis of quinoxaline derivatives. <i>Journal of Organometallic Chemistry</i> , 2021, 949, 121933.	1.8	10
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