Ramasamy Karvembu

List of Publications by Year
in descending order

159 papers	4,359 citations	81900 39 h-index	155660 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 RuO2 by Williamsonâ€"Hall and sizeâ€"strain plot methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 43-50.	3.9	137
2	Synthesis, DNA/protein binding, molecular docking, DNA cleavage and in vitro anticancer activity of nickel(<scp>ii</scp>) bis(thiosemicarbazone) complexes. RSC Advances, 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. Journal of Physical Chemistry C, 2013, 117, 23582-23596.	3.1	93
4	Noble metal/functionalized cellulose nanofiber composites for catalytic applications. Carbohydrate Polymers, 2015, 132, 554-564.	10.2	91
5	Chiral (Î·⁶-p-Cymene)ruthenium(II) Complexes Containing Monodentate Acylthiourea Ligands for Efficient Asymmetric Transfer Hydrogenation of Ketones. Organometallics, 2014, 33, 540-550.	2.3	90
6	Half-sandwich RuCl₂(Î·⁶-p-cymene) core complexes containing sulfur donor aroylthiourea ligands: DNA and protein binding, DNA cleavage and cytotoxic studies. Dalton Transactions, 2016, 45, 12518-12531.	3.3	81
7	Water-Soluble Mono- and Binuclear Ru(Î·⁶-p-cymene) Complexes Containing Indole Thiosemicarbazones: Synthesis, DFT Modeling, Biomolecular Interactions, and In Vitro Anticancer Activity through Apoptosis. Organometallics, 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. Inorganic Chemistry, 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. Journal of Biological Inorganic Chemistry, 2017, 22, 461-480.	2.6	73
10	DNA/protein binding, DNA cleavage, cytotoxicity, superoxide radical scavenging and molecular docking studies of copper(<scp>ii</scp>) complexes containing N-benzyl-Nâ€²-aryl-Nâ€²â€²-benzoylguanidine ligands. Inorganic Chemistry Frontiers, 2015, 2, 780-798.	6.0	72
11	Versatile coordination behavior of N,N-di(alkyl/aryl)-Nâ€²-benzoylthiourea ligands: Synthesis, crystal structure and cytotoxicity of palladium(II) complexes. Inorganica Chimica Acta, 2011, 376, 278-284.	2.4	70
12	CuO Nanoparticles: A Simple, Effective, Ligand Free, and Reusable Heterogeneous Catalyst for N-Arylation of Benzimidazole. Industrial & Engineering Chemistry Research, 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. Journal of Inorganic Biochemistry, 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. Dalton Transactions, 2011, 40, 12519.	3.3	65
15	Impact of aliphatic acyl and aromatic thioamide substituents on the anticancer activity of Ru(<scp>ii</scp>)-p-cymene complexes with acylthiourea ligandsâ€"in vitro and in vivo studies. Dalton Transactions, 2021, 50, 16311-16325.	3.3	63
16	Synthesis of Ru(<scp>ii</scp>)â€"benzene complexes containing aroylthiourea ligands, and their binding with biomolecules and in vitro cytotoxicity through apoptosis. New Journal of Chemistry, 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. Inorganica Chimica Acta, 2016, 449, 82-95.	2.4	59
18	Ruthenium(II) carbonyl complexes containing â€˜pincer likeâ€™ ONS donor Schiff base and triphenylphosphine as catalyst for selective oxidation of alcohols at room temperature. Journal of Organometallic Chemistry, 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. Polyhedron, 2017, 135, 26-35.	2.2	58
20	Sustainable and Versatile CuO/GNS Nanocatalyst for Highly Efficient Base Free Coupling Reactions. ACS Sustainable Chemistry and Engineering, 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. Journal of Molecular Catalysis A, 2012, 353-354, 156-162.	4.8	55
22	Highly Active, Selective, and Reusable RuO₂/SWCNT Catalyst for Heck Olefination of Aryl Halides. ACS Catalysis, 2014, 4, 2118-2129.	11.2	55
23	High-Performance Sodium Ion Capacitor Based on MoO₂@rGO Nanocomposite and Goat Hair Derived Carbon Electrodes. ACS Applied Energy Materials, 2018, 1, 841-850.	5.1	55
24	Self-assembled Cu(<scp>ii</scp>) and Ni(<scp>ii</scp>) metallamacrocycles formed from 3,3,3â€²,3â€²-tetrabenzyl-1,1â€²-aroylbis(thiourea) ligands: DNA and protein binding studies, and cytotoxicity of trinuclear complexes. Dalton Transactions, 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. Inorganica Chimica Acta, 2017, 466, 61-70.	2.4	53
26	Synthesis, structures and mechanistic pathways of anticancer activity of palladium(<scp>ii</scp>) complexes with indole-3-carbaldehyde thiosemicarbazones. New Journal of Chemistry, 2018, 42, 10818-10832.	2.8	53
27	Synthesis and Anticancer Activity of [RuCl₂(Î·⁶-arene)(aroylthiourea)] Complexesâ€"High Activity against the Human Neuroblastoma (IMR-32) Cancer Cell Line. ACS Omega, 2019, 4, 6245-6256.	3.5	52
28	Catalytic and antimicrobial activities of new ruthenium(II) unsymmetrical Schiff base complexes. Transition Metal Chemistry, 2002, 27, 790-794.	1.4	50
29	Isatin based thiosemicarbazone derivatives as potential bioactive agents: Anti-oxidant and molecular docking studies. Journal of Molecular Structure, 2016, 1110, 185-195.	3.6	49
30	Coordination Behavior of N,Nâ€²,Nâ€³-Trisubstituted Guanidine Ligands in Their Ruâ€"Arene Complexes: Synthetic, DNA/Protein Binding, and Cytotoxic Studies. Organometallics, 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. Inorganica Chimica Acta, 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. Polyhedron, 2014, 75, 95-109.	2.2	46
33	Thiosemicarbazone(s)-anchored water soluble mono- and bimetallic Cu(<scp>ii</scp>) complexes: enzyme-like activities, biomolecular interactions, anticancer property and real-time live cytotoxicity. Dalton Transactions, 2020, 49, 9411-9424.	3.3	46
34	Copper Based Nanoparticles-Catalyzed Organic Transformations. Catalysis Surveys From Asia, 2013, 17, 156-176.	2.6	45
35	Synthesis, crystal structure, and in vitro and in silico molecular docking of novel acyl thiourea derivatives. Journal of Molecular Structure, 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. Applied Organometallic Chemistry, 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. Inorganic Chemistry Communication, 2010, 13, 952-955.	3.9	44
38	Facile and homogeneous decoration of RuO2 nanorods on graphene nanoplatelets for transfer hydrogenation of carbonyl compounds. Catalysis Science and Technology, 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. Journal of Coordination Chemistry, 2011, 64, 491-501.	2.2	42
40	Catalytic N-oxidation of tertiary amines on RuO2NPs anchored graphene nanoplatelets. Catalysis Science and Technology, 2014, 4, 2099.	4.1	40
41	InÂvitro antioxidant, antiinflammatory and in silico molecular docking studies of thiosemicarbazones. Journal of Molecular Structure, 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. Journal of Molecular Structure, 2022, 1250, 131782.	3.6	40
43	DNA/protein binding and cytotoxicity studies of copper(ii) complexes containing N,Nâ€²,Nâ€²â€²-trisubstituted guanidine ligands. RSC Advances, 2014, 4, 17179.	3.6	39
44	Palladium(II) complexes with salicylideneimine based tridentate ligand and triphenylphosphine: Synthesis, structure and catalytic activity in Suzukiâ€“Miyaura cross coupling reactions. Inorganica Chimica Acta, 2013, 394, 391-400.	2.4	37
45	Copper(ii) oxide on aluminosilicate mediated Heck coupling of styrene with aryl halides in water. RSC Advances, 2013, 3, 7774.	3.6	36
46	Title is missing!. Transition Metal Chemistry, 2002, 27, 631-638.	1.4	35
47	Title is missing!. Transition Metal Chemistry, 2002, 27, 574-579.	1.4	35
48	Unprecedented formation of palladium(II)-pyrazole based thiourea from chromone thiosemicarbazone and [PdCl2(PPh3)2]: Interaction with biomolecules and apoptosis through mitochondrial signaling pathway. Journal of Inorganic Biochemistry, 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. Coordination Chemistry Reviews, 2022, 459, 214403.	18.8	34
50	Heterostructure of two different 2D materials based on MoS₂ nanoflowers@rGO: an electrode material for sodium-ion capacitors. Nanoscale Advances, 2019, 1, 334-341.	4.6	33
51	N-substitution in isatin thiosemicarbazones decides nuclearity of Cu(II) complexes â€“ Spectroscopic, molecular docking and cytotoxic studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 118963.	3.9	33
52	Coordination Behavior of Acylthiourea Ligands in Their Ru(II)â€“Benzene Complexesâ”€Structures and Anticancer Activity. Organometallics, 2022, 41, 1621-1630.	2.3	33
53	Mild oxidation of alcohols with periodic acid catalyzed by [Ru(acac)2(CH3CN)2]PF6 in water. Catalysis Communications, 2009, 10, 1835-1838.	3.3	31
54	Copper Ion Mediated Selective Cleavage of Câ€“S Bond in Ferrocenylthiosemicarbazone Forming Mixed Geometrical [(PPh₃)Cu(ï¼-S)₂Cu(PPh₃)₂] Having Cu₂S₂ Core: Toward a New Avenue in Copperâ€“Sulfur Chemistry. Inorganic Chemistry, 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. Journal of Materials Science: Materials in Electronics, 2018, 29, 323-330.	2.2	29
56	Zinc(II) complexes of indole thiosemicarbazones: DNA/protein binding, molecular docking and in vitro cytotoxicity studies. Polyhedron, 2019, 170, 188-201.	2.2	29
57	Half-sandwich Ru(Î·6-p-cymene) complexes featuring pyrazole appended ligands: Synthesis, DNA binding and in vitro cytotoxicity. Journal of Inorganic Biochemistry, 2019, 194, 74-84.	3.5	29
58	Physicochemical Studies of 4â€Substituted Nâ€(2â€Mercaptophenyl)â€Salicylideneimines: Corrosion Inhibition of Mild Steel in an Acid Medium. Journal of Surfactants and Detergents, 2012, 15, 567-576.	2.1	28
59	Half-sandwich Ru(Î·⁶-C₆H₆) complexes with chiral aroylthioureas for enhanced asymmetric transfer hydrogenation of ketones â€“ experimental and theoretical studies. Catalysis Science and Technology, 2015, 5, 4790-4799.	4.1	28
60	Tetranuclear Palladacycles of 3-Acetyl-7-methoxy-2H-chromen-2-one Derived Schiff Bases: Efficient Catalysts for Suzukiâ€“Miyaura Coupling in an Aqueous Medium. Inorganic Chemistry, 2019, 58, 8045-8055.	4.0	28
61	Hypodentate coordination of N,N-di(alkyl/aryl)-Nâ€²-acylthiourea derivatives in Cu(I) complexes. Polyhedron, 2012, 34, 41-45.	2.2	26
62	Highly active copper(<scp>i</scp>) complexes of aroylthiourea ligands against cancer cells â€“ synthetic and biological studies. New Journal of Chemistry, 2019, 43, 3188-3198.	2.8	26
63	Effect of morphology and (Sn, Cr) doping on inÂvitro antiproliferation properties of hydrothermally synthesized 1D GaOOH nanostructures. Journal of Science: Advanced Materials and Devices, 2021, 6, 351-363.	3.1	26
64	Synthetic and catalytic investigations of ruthenium(III) complexes with triphenylphosphine/triphenylarsine and tridentate Schiff base. Applied Organometallic Chemistry, 2007, 21, 788-793.	3.5	24
65	Ru(II)â€pâ€cymene Thiosemicarbazone Complexes as Inhibitors of Amyloid Î² (AÎ²) Peptide Aggregation and Aî²â€Induced Cytotoxicity. ChemistrySelect, 2017, 2, 11638-11644.	1.5	24
66	Half-sandwich Ru(II)(Î·6-p-cymene) complexes bearing N-dibenzosuberenyl appended thiourea for catalytic transfer hydrogenation and in vitro anticancer activity. Polyhedron, 2018, 152, 147-154.	2.2	24
67	Synthesis and Anticancer Properties of Bisâ€and Mono(cationic peptide) Hybrids of Cyclometalated Iridium(III) Complexes: Effect of the Number of Peptide Units on Anticancer Activity. European Journal of Inorganic Chemistry, 2021, 2021, 1796-1814.	2.0	24
68	Structural diversity in aroylthiourea copper complexes â€“ formation and biological evaluation of [Cu(<scp>i</scp>)(Î¼-S)SCl]₂, cis-Cu(<scp>ii</scp>)S₂O₂, trans-Cu(<scp>ii</scp>)S₂O₂and Cu(<scp>i</scp>)S₃cores. New Journal of Chemistry, 2016, 40, 5401-5413.	2.8	23
69	Enhanced anticancer activity of half-sandwich Ru(II)-p-cymene complex bearing heterocyclic hydrazone ligand. Inorganic Chemistry Communication, 2020, 119, 108054.	3.9	23
70	Tunable Anticancer Activity of Furoylthioureaâ€Based Ru^{II}â€“Arene Complexes and Their Mechanism of Action. Chemistry - A European Journal, 2021, 27, 7418-7433.	3.3	23
71	Effect of N-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. Inorganica Chimica Acta, 2022, 534, 120805.	2.4	23
72	Synthesis, spectral, electrochemical and catalytic studies of new Ru(III) tetradentate Schiff base complexes. Applied Organometallic Chemistry, 2007, 21, 952-957.	3.5	22

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73	Remarkable catalytic activity of [PdCl2(CH3CN)2] in Suzukiâ€"Miyaura cross-coupling reaction in aqueous media under mild conditions. Journal of Molecular Catalysis A, 2013, 371, 118-124.	4.8	22
74	Molecular structures, Hirshfeld analysis and biological investigations of isatin based thiosemicarbazones. Journal of Molecular Structure, 2019, 1198, 126904.	3.6	22
75	Preparation of mesoporous stannosilicates SnTUD-1 and catalytic activity in levulinic acid esterification. Microporous and Mesoporous Materials, 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. Polyhedron, 2012, 34, 143-148.	2.2	21
77	SYNTHESIS, CHARACTERISATION, CATALYTIC, AND BIOCIDAL STUDIES OF RUTHENIUM(III) COMPLEXES WITH THIOSEMICARBAZONES OF Î²-DIKETOESTERS. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2002, 32, 1099-1113.	1.8	20
78	Highly efficient homogeneous and heterogenized ruthenium catalysts for transfer hydrogenation of carbonyl compounds. RSC Advances, 2014, 4, 27955-27962.	3.6	20
79	Synthesis, characterization and catalytic oxidation property of copper(I) complexes containing monodentate acylthiourea ligands and triphenylphosphine. Polyhedron, 2017, 122, 39-45.	2.2	20
80	Iron and chromium MOFs as sustainable catalysts for transfer hydrogenation of carbonyl compounds and biomass conversions. New Journal of Chemistry, 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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 411-418.	3.9	19
82	Synthesis, structure, and pharmacological evaluation of Co(III) complex containing tridentate Schiff base ligand. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2015, 41, 345-352.	1.0	19
83	Magnetically retrievable lepidocrocite supported copper oxide nanocatalyst (Feâ€"CuO) for N-arylation of imidazole. RSC Advances, 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. Industrial & Engineering Chemistry Research, 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. Journal of Organometallic Chemistry, 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. Journal of Organometallic Chemistry, 2018, 876, 57-65.	1.8	19
87	Halfâ€sandwich Ru (II) complexes containing (N, O) Schiff base ligands: Catalysts for baseâ€free transfer hydrogenation of ketones. Applied Organometallic Chemistry, 2019, 33, e5111.	3.5	19
88	Recent Advances in Cobaltâ€Catalyzed, Directingâ€Groupâ€Assisted Câˆ'H Bond Amidation Reactions. Advanced Synthesis and Catalysis, 2021, 363, 4309-4331.	4.3	19
89	Photodegradation of dyes by a novel TiO2/u-RuO2/GNS nanocatalyst derived from Ru/GNS after its use asÂa catalyst inÂthe aerial oxidation of primary alcohols (GNSÂ=Âgraphene nanosheets). Reaction Kinetics, Mechanisms and Catalysis, 2015, 115, 759-772.	1.7	18
90	Green synthesis of CuO nanoflakes from copper pincer complex for effective N-arylation of benzimidazole. Catalysis Communications, 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. Inorganic Chemistry Communication, 2021, 134, 109029.	3.9	18
92	Spectroscopic, anticancer and antioxidant studies of fluxional trans-[PdCl2(S-acylthiourea)2] complexes. Results in Chemistry, 2021, 3, 100157.	2.0	17
93	Studies on ruthenium(III) chalcone thiosemicarbazone complexes as catalysts for carbonâ€“carbon coupling. Journal of Coordination Chemistry, 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 PPh3/AsPh3. Journal of Chemical Sciences, 2011, 123, 319-325.	1.5	16
95	NHC-catalyzed green synthesis of functionalized chromones: DFT mechanistic insights andin vitroactivities in cancer cells. New Journal of Chemistry, 2019, 43, 13509-13525.	2.8	16
96	Chemosensing, molecular docking and antioxidant studies of 8-aminoquinoline appended acylthiourea derivatives. Journal of Molecular Structure, 2019, 1185, 450-460.	3.6	16
97	Naphthalenyl appended semicarbazone as â€œturn onâ€•fluorescent chemosensor for selective recognition of fluoride ion. Journal of Molecular Structure, 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. New Journal of Chemistry, 2018, 42, 1832-1839.	2.8	15
99	Phosphazene-Based Covalent Organic Polymer Decorated with NiCo₂O₄ Nanocuboids as a Trifunctional Electrocatalyst: A Unique Replacement for the Conventional Electrocatalysts. ACS Applied Energy Materials, 2021, 4, 9341-9352.	5.1	15
100	Ruthenium(III) Schiff Base Complexes: Catalytic Activity in Arylâ€“Aryl Coupling Reaction and Antimicrobial Activity. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2003, 33, 1535-1553.	1.8	14
101	Cu/AlO(OH)-catalyzed formation of Î²-enamino ketones/esters under solvent, ligand and base free conditions â€“ experimental and computational studies. Catalysis Science and Technology, 2012, 2, 1872.	4.1	14
102	Ru(II)â€Î·⁶â€benzene Complexes of Dibenzosuberenyl Appended Aroyl/Acylthiourea Ligands: In vitro Biomolecular Interaction Studies and Catalytic Transfer Hydrogenation. ChemistrySelect, 2018, 3, 18-28.	1.5	14
103	Development of thiosemicarbazone-based transition metal complexes as homogeneous catalysts for various organic transformations. Inorganica Chimica Acta, 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. Journal of Molecular Structure, 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. Journal of Organometallic Chemistry, 2020, 908, 121087.	1.8	13
106	Synthesis, structure, biological/chemosensor evaluation and molecular docking studies of aminobenzothiazole Schiff bases. Journal of Adhesion Science and Technology, 2020, 34, 2590-2612.	2.6	13
107	Ru(<scp>ii</scp>)-p-cymene complexes containing esters of chiral <scp>d</scp>/<scp>l</scp>-phenylalanine derived aroylthiourea ligands for enantioselective reduction of pro-chiral ketones. RSC Advances, 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. Catalysis Letters, 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. Journal of Organometallic Chemistry, 2017, 831, 45-49.	1.8	11
110	Catalytic Assessment of Copper(I) Complexes and a Polymer Analog towards the Oneâ€Pot Synthesis of Imines and Quinoxalines. European Journal of Inorganic Chemistry, 2019, 2019, 3588-3596.	2.0	11
111	2â€²-Thiophenecarboxaldehyde derived thiosemicarbazone metal complexes of copper(II), palladium(II) and zinc(II) ions: Synthesis, spectroscopic characterization, anticancer activity and DNA binding studies. Inorganica Chimica Acta, 2021, 524, 120440.	2.4	11
112	2â€{(E)â€{(1S,2R)â€1â€Hydroxyâ€1â€phenylpropanâ€2â€ylimino}methyl]phenol for Inhibition of Acid Corrosion of Mild Steel. Journal of Surfactants and Detergents, 2012, 15, 751-756.	2.1	10
113	Crystal structures of two hydrazinecarbothioamide derivatives: (E)-N-ethyl-2-[(4-oxo-4H-chromen-3-yl)methylidene]hydrazinecarbothioamide hemihydrate and (E)-2-[(4-chloro-2H-chromen-3-yl)methylidene]-N-phenylhydrazinecarbothioamide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 305-308.	0.5	10
114	An Acylthiourea Ligated Fe(II) Complex on Silica Nanoparticles for Transfer Hydrogenation of Carbonyl Compounds. Industrial & Engineering Chemistry Research, 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. Indian Journal of Physics, 2020, 94, 1153-1167.	1.8	10
116	Ruthenium â^'p-cymene complexes with acylthiourea, and its heterogenized form on graphene oxide act as catalysts for the synthesis of quinoxaline derivatives. Journal of Organometallic Chemistry, 2021, 949, 121933.	1.8	10
117	Bidentate acylthiourea ligand anchored Pd-PPh3 complexes with biomolecular binding, cytotoxic, antioxidant and antihemolytic properties. Journal of Inorganic Biochemistry, 2022, 233, 111843.	3.5	10
118	SYNTHESIS, CHARACTERIZATION, ELECTROCHEMISTRY, AND BIOLOGICAL ACTIVITIES OF DICARBOXYLATO-BRIDGED BINUCLEAR RUTHENIUM(III) COMPLEXES. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2001, 31, 743-756.	1.8	9
119	Nonthermal plasma assisted photocatalytic oxidation of dilute benzene. Journal of Chemical Sciences, 2012, 124, 841-845.	1.5	9
120	Binding mode transformation and biological activity on the Ru(II)-DMSO complexes bearing heterocyclic pyrazolyl ligands. Journal of Inorganic Biochemistry, 2021, 223, 111545.	3.5	9
121	Ruthenium(II) complexes containing triphenylphosphine/triphenylarsine and bidentate Schiff bases derived from 2-hydroxy-1-naphthaldehyde and primary amines. Transition Metal Chemistry, 2004, 29, 644-648.	1.4	8
122	A sustainable heterogenized palladium catalyst for Suzuki-Miyaura cross coupling reaction of azaheteroaryl halides in aqueous media. Journal of Organometallic Chemistry, 2018, 862, 76-85.	1.8	8
123	Delineating the Role of Substituents on the Coordination Behavior of Aroylhydrazone Ligands in Pd^{II} Complexes and their Influence on Suzukiâ€"Miyaura Coupling in Aqueous Media. European Journal of Inorganic Chemistry, 2019, 2019, 3869-3882.	2.0	8
124	Unmodified Maghemite from River Sand as a Selective Catalyst for Base-Free Transfer Hydrogenation of Furfural, Levulinic Acid, and o-Vanillin: A Pathway for Sustainable Biomass Conversions. ACS Sustainable Chemistry and Engineering, 2020, 8, 17069-17078.	6.7	8
125	Dopant-Free Main Group Elements Supported Covalent Organicâ€"Inorganic Hybrid Conducting Polymer for Sodium-Ion Battery Application. ACS Applied Energy Materials, 2022, 5, 557-566.	5.1	8
126	Structural Effect of Pincer Pd(II)â€"ONO Complexes Modified with Acylthiourea on Sizes of the In Situ Generated Pd Nanoparticles During Heck Coupling Reaction. Catalysis Letters, 2021, 151, 1633-1645.	2.6	7

#	Article	IF	Citations
127	Pd(II)â€“PPh₃ complexes of halogen substituted acylthiourea ligands: Biomolecular interactions and in vitro antiâ€proliferative activity. Applied Organometallic Chemistry, 2022, 36, .	3.5	6
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