Samaresh Bhattacharya

List of Publications by Year
in descending order

136	4,174	87888 38	149698 56
papers	citations	h-index	g-index

139	139	139	2530
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural Systematics foro-C6H4XY Ligands with X,Y= O, NH, and S Donor Atoms.o-Iminoquinone ando-Iminothioquinone Complexes of Ruthenium and Osmium. Inorganic Chemistry, 2002, 41, 5810-5816.	4.0	153
2	Ruthenium and osmium complexes of N,O chelators: syntheses, oxidation levels, and distortion parameters. Inorganic Chemistry, 1987, 26, 4324-4331.	4.0	150
3	Unusual Coordination Mode of Thiosemicarbazone Ligands. A Search for the Origin. Inorganic Chemistry, 2000, 39, 1120-1127.	4.0	136
4	Unusual Coordination Mode of Thiosemicarbazone Ligand. Synthesis, Structure, and Redox Properties of Some Ruthenium and Osmium Complexes. Inorganic Chemistry, 1998, 37, 6113-6116.	4.0	125
5	Steric Control of the Coordination Mode of the Salicylaldehyde Thiosemicarbazone Ligand. Syntheses, Structures, and Redox Properties of Ruthenium and Osmium Complexes. Inorganic Chemistry, 1997, 36, 5645-5647.	4.0	111
6	Periodic trends in charge distribution for transition-metal complexes containing catecholate and semiquinone ligands. Synthetic, physical, and stereodynamic properties of the tris(3,5-di-tert-butylquinone) complexes of ruthenium and osmium. Journal of the American Chemical Society, 1990, 112, 1088-1096.	13.7	109
7	Chemical Control on the Coordination Mode of Benzaldehyde Semicarbazone Ligands. Synthesis, Structure, and Redox Properties of Ruthenium Complexes. Inorganic Chemistry, 2001, 40, 1126-1133.	4.0	103
8	Directed metal oxidation levels in azoruthenium cyclometalates. Synthesis and structure of a trivalent family. Inorganic Chemistry, 1987, 26, 3359-3365.	4.0	98
9	Synthesis, structure, spectroscopic properties and cytotoxic effect of some thiosemicarbazone complexes of palladium. New Journal of Chemistry, 2008, 32, 105-114.	2.8	81
10	Structure and bonding in bis(quinone) complexes of ruthenium. Synthesis and characterization of the Ru(PPh3)2(SQ)2 (SQ = 3,5-tert-butylsemiquinone, tetrachloro-1,2-semiquinone) series. Inorganic Chemistry, 1991, 30, 1511-1516.	4.0	68
11	Synthesis, Structure, and Properties of a Novel Heterooctametallic Complex Containing a Cyclic Ru4Ni4 Core. Angewandte Chemie - International Edition, 2001, 40, 2923-2925.	13.8	65
12	8-Quinolinolate complexes of ruthenium(ii). Synthesis, characterization and electron transfer properties. Polyhedron, 1993, 12, 235-239.	2.2	60
13	Ruthenium-mediated reduction of oximes to imines. Synthesis, characterization and redox properties of imine complexes of ruthenium. Dalton Transactions RSC, 2000, , 181-184.	2.3	58
14	Potential for Redox Isomerism by Quinone Complexes of Iron(III). Studies on Complexes of the FeIII(N-N)(DBSQ)(DBCat) Series with 2,2'-Bipyridine and N,N,N',N'-Tetramethylethylenediamine Coligands. Inorganic Chemistry, 1995, 34, 4427-4433.	4.0	57
15	Synthesis, structure and redox properties of some 2-(arylazo)phenolate complexes of rhodium(III)â€Šâ€. Dalton Transactions RSC, 2000, , 4623-4627.	2.3	57
16	Structural and electrochemical properties of binuclear complexes containing 1,10-phenanthroline-5,6-diolate as a bridging ligand. Inorganic Chemistry, 1991, 30, 2895-2899.	4.0	56
17	An Unprecedented Oxidative Migration of a Methyl Group from 2-(2â€˛,6â€˛-Dimethylphenylazo)-4-methylphenol Mediated by Ruthenium and Osmium. Inorganic Chemistry, 2003, 42, 7378-7380.	4.0	55
18	Rhodium Assisted Câ^'H Activation of Benzaldehyde Thiosemicarbazones and Their Oxidation via Activation of Molecular Oxygen. Inorganic Chemistry, 2006, 45, 1252-1259.	4.0	55

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19	Ruthenium phenolates. Chemistry of a family of RuIIIO6 tris chelates. Inorganic Chemistry, 1988, 27, 4396-4402.	4.0	53
20	Synthesis, structure and redox properties of some thiosemicarbazone complexes of rhodium. New Journal of Chemistry, 2002, 26, 1607-1612.	2.8	51
21	Iridium(III) Complexes Formed by Oâˆ'H and/Or Câˆ'H Activation of 2-(Arylazo)phenols. Inorganic Chemistry, 2004, 43, 704-711.	4.0	51
22	Ligand Control on Molecular Oxygen Activation by Rhodium Quinone Complexes. Inorganic Chemistry, 2000, 39, 2231-2234.	4.0	49
23	Variable Coordination Modes of Benzaldehyde Thiosemicarbazones â€“ Synthesis, Structure, and Electrochemical Properties of Some Ruthenium Complexes. European Journal of Inorganic Chemistry, 2008, 2008, 4538-4546.	2.0	48
24	Mixed-ligand thiosemicarbazone complexes of nickel: Synthesis, structure and catalytic activity. Inorganica Chimica Acta, 2011, 377, 120-128.	2.4	48
25	Unprecedented Migration of a Methyl Group in 2-(2â€˜,6â€˜-Dimethylphenylazo)-4-methylphenol Mediated by Ruthenium. Inorganic Chemistry, 2004, 43, 4814-4816.	4.0	47
26	Nickel complexes of some thiosemicarbazones: Synthesis, structure, catalytic properties and cytotoxicity studies. Inorganica Chimica Acta, 2012, 392, 118-130.	2.4	46
27	A nickel(III) complex with a NiO6 coordination sphere. Inorganic Chemistry, 1986, 25, 3448-3452.	4.0	44
28	Syntheses, structures and efficient catalysis for Câ€“C coupling of some benzaldehyde thiosemicarbazone complexes of palladium. Journal of Molecular Catalysis A, 2011, 344, 62-73.	4.8	44
29	Synthesis, characterization, electron-transfer properties and reactivities of a group of ruthenium(II) complexes with RuN2P2X2 (X = Cl, Br) coordination spheres. Polyhedron, 1994, 13, 2671-2678.	2.2	43
30	Comparative Bonding Properties of Semiquinonate and Iminosemiquinonate Radical Ligands in Ru(CO)2(3,6-DBSQ)2 and Ru(CO)2(PhenoxSQ)2. Inorganic Chemistry, 1994, 33, 6038-6042.	4.0	43
31	Chemistry of 2-(arylazo)phenolate complexes of ruthenium. Synthesis, structure and reactivities. Polyhedron, 1999, 18, 631-640.	2.2	43
32	Synthesis, structure and electrochemical properties of tris-picolinate complexes of rhodium and iridium. Polyhedron, 2005, 24, 157-163.	2.2	43
33	Thiosemicarbazone complexes of the platinum metals. A story of variable coordination modes. Journal of Chemical Sciences, 2002, 114, 255-268.	1.5	42
34	N-(Aryl)picolinamide Complexes of Ruthenium: Usual Coordination and Strategic Cyclometalation. European Journal of Inorganic Chemistry, 2007, 2007, 1251-1260.	2.0	41
35	Tris 1-Nitroso-2-naphtholate Complex of Ruthenium(II):â€‰ An Efficient Building Unit for Polynuclear Complexes. Inorganic Chemistry, 1999, 38, 4365-4368.	4.0	40
36	Chemistry of ruthenium with some phenolic ligands: synthesis, structure and redox properties. Polyhedron, 2000, 19, 1663-1672.	2.2	39

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37	Cyclometallation and Nî€†N bond cleavage of 2-(arylazo)phenols by osmium. Synthesis, structure and redox propertiesâ€Šâ€. Dalton Transactions RSC, 2001, , 284-288.	2.3	39
38	Ruthenium Mediated Câ^'H Activation of 2-(Arylazo)phenols:â€‰ Characterization of an Intermediate and the Final Organoruthenium Complex. Inorganic Chemistry, 2006, 45, 460-467.	4.0	38
39	Studies on bis(catecholato)iron(III) complexes. Structure and bonding in members of the Fe(bpy)(Cl4SQ)(Cl4Cat)/Fe(bpy)(Cl4Cat)2- redox couple. Inorganic Chemistry, 1992, 31, 870-877.	4.0	37
40	Iminoquinone complexes of iron and nickel. Structural, magnetic, and electrochemical properties of complexes containing the phenoxazinolate semiquinone radical. Inorganic Chemistry, 1994, 33, 347-353.	4.0	37
41	Chemistry of Some Amino Acid Complexes of Ruthenium. Synthesis, Characterization, and DNA Binding Properties. Inorganic Chemistry, 2002, 41, 4605-4609.	4.0	36
42	Synthesis, characterization and reactivity of a ruthenium-quinone complex. Polyhedron, 1994, 13, 451-456.	2.2	35
43	Chemistry of [Ru(tpy)(pap)(Lâ€²)n+ (tpy = 2,2â€²,6â€²,2â€³-terpyridine; pap = 2-(phenylazo)pyridine; Lâ€² = Clâ^', H2O,) Tj ETQq1 1 0. oxidation of water to dioxygen by [Ru(tpy)(pap)(H2O)]2+. Polyhedron, 1998, 17, 1525-1534.	2.2	35
44	Chemically Induced Cyclometalation of 2-(Arylazo)phenols. Synthesis, Characterization, and Redox Properties of a Family of Organoosmium Complexes. Inorganic Chemistry, 2003, 42, 5405-5411.	4.0	34
45	Palladium mediated Câ€“H bond activation of thiosemicarbazones: Catalytic application of organopalladium complexes in Câ€“C and Câ€“N coupling reactions. Journal of Organometallic Chemistry, 2013, 724, 281-288.	1.8	34
46	Charge distribution in bis(quinone) complexes of ruthenium and osmium. Structural, spectral, and electrochemical properties of the Os(bpy)(Cat)2 (Cat = catecholate, 3,5-di-tert-butylcatecholate,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.0	33
47	Synthesis, structure and electrochemical properties of a group of ruthenium(iii) complexes of N-(aryl)picolinamide. New Journal of Chemistry, 2004, 28, 712.	2.8	33
48	Palladium complexes of 2-formylpyridine thiosemicarbazone and two related ligands: Synthesis, structure and, spectral and catalytic properties. Inorganica Chimica Acta, 2015, 425, 67-75.	2.4	33
49	Unprecedented Chemical Transformation of Semicarbazones Mediated by Wilkinson's Catalyst. Inorganic Chemistry, 2003, 42, 4338-4345.	4.0	31
50	Variable Coordination Mode of Chloranilic Acid. Synthesis, Structure, and Electrochemical Properties of Some Osmium Complexes. Inorganic Chemistry, 2005, 44, 2081-2088.	4.0	31
51	Mixed-ligand benzaldehyde thiosemicarbazone complexes of palladium containing N,O-donor ancillary ligands. Syntheses, structures, and catalytic application in Câ€“C and Câ€“N coupling reactions. RSC Advances, 2012, 2, 11751.	3.6	30
52	Chemistry of 2- (arylazo) phenolate complexes of osmium. Synthesis, structure and redox properties. Polyhedron, 1998, 18, 391-402.	2.2	29
53	Charge distribution in the quinone complexes of osmium: synthesis and characterization of the Os(PPh3)2(Q)Cl2 and Os(PPh3)2(Q)2 (Q = 3,5-di-tert-butyl-1,2-quinone, tetrachloro-1,2-quinone) series. Inorganic Chemistry, 1991, 30, 2906-2911.	4.0	28
54	Semiquinone imine complexes of ruthenium. Coordination and oxidation of the 1-hydroxy-2,4,6,8-tetra-tert-butylphenoxazinyl radical. Inorganic Chemistry, 1992, 31, 2020-2029.	4.0	27

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55	Chemistry of ruthenium with some dioxime ligands. Syntheses, structures and reactivities. Polyhedron, 2001, 20, 327-335.	2.2	27
56	Synthesis, structure and spectroscopic properties of some thiosemicarbazone complexes of platinum. Polyhedron, 2007, 26, 2741-2748.	2.2	27
57	Interaction of N-(aryl)picolinamides with iridium. Nâ€“H and Câ€“H bond activations. Journal of Organometallic Chemistry, 2008, 693, 3281-3288.	1.8	27
58	Controlled interaction of benzaldehyde thiosemicarbazones with palladium: formation of bis-complexes with cis-geometry and organopalladium complexes, and their catalytic application in Câ€“C and Câ€“N coupling. RSC Advances, 2013, 3, 10707.	3.6	27
59	Cycloruthenation ofN-(Naphthyl)salicylaldimine and Related Ligands: Utilization of the Ru-C Bond in Catalytic Transfer Hydrogenation. European Journal of Inorganic Chemistry, 2014, 2014, 4600-4610.	2.0	27
60	Synthesis, characterization and electron transfer properties of some picolinate complexes of ruthenium. Polyhedron, 1995, 14, 3591-3597.	2.2	26
61	Iridium mediated methyl and phenyl Câ€“H activation of 2-(arylazo)phenols. Synthesis, structure, and spectral and electrochemical properties of some organoiridium complexes. Journal of Organometallic Chemistry, 2005, 690, 3908-3917.	1.8	26
62	Ruthenium mediated Câ€“H activation of benzaldehyde thiosemicarbazones: Synthesis, structure and, spectral and electrochemical properties of the resulting complexes. Inorganica Chimica Acta, 2011, 372, 183-190.	2.4	26
63	Synthesis, Structure, and Electrochemical Properties of a Family of 2-(Arylazo)phenolate Complexes of Ruthenium with Unusual Câˆ'C Coupling and NN Cleavage. Inorganic Chemistry, 2006, 45, 9654-9663.	4.0	25
64	Synthesis, characterization, redox properties and reactivities of a group of phenolato complexes of ruthenium(III). Polyhedron, 1997, 16, 81-87.	2.2	23
65	Formation of the {MO(S2)2} (M = molybdenum, tungsten) moiety by a MO42--polysulfide reaction: synthesis and structure of MO(S2)2(bpy). Inorganic Chemistry, 1992, 31, 3573-3577.	4.0	22
66	N,Nâ€²-Bis(aryl)pyridine-2,6-dicarboxamide complexes of ruthenium: Synthesis, structure and redox properties. Polyhedron, 2008, 27, 139-150.	2.2	22
67	Iridium assisted Sâ€“H and Câ€“H activation of benzaldehyde thiosemicarbazones. Synthesis, structure and electrochemical properties of the resulting complexes. Inorganica Chimica Acta, 2010, 363, 2848-2856.	2.4	22
68	Palladium(0)-mediated Câ€“H bond activation of N-(naphthyl)salicylaldimine and related ligands: utilization of the resulting organopalladium complexes in catalytic Câ€“C and Câ€“N coupling reactions. Dalton Transactions, 2015, 44, 13615-13632.	3.3	22
69	Chemistry of 2-(arylazo)phenolate complexes of ruthenium. Synthesis, characterization and redox properties. Polyhedron, 1997, 16, 3047-3053.	2.2	21
70	Oxidation of Rhodium(I) by Hydroxamic Acids. Synthesis, Structure, and Electrochemical Properties of Bis(hydroxamate) Complexes of Rhodium(III). Inorganic Chemistry, 2002, 41, 440-443.	4.0	21
71	Chloro-ruthenium complexes with carbonyl and N-(aryl)pyridine-2-aldimines as ancillary ligands. Synthesis, characterization and catalytic application in Câ€“C cross-coupling of arylaldehydes with arylboronic acids. Journal of Organometallic Chemistry, 2014, 750, 176-184.	1.8	21
72	Ruthenium phenolates. Synthesis, characterization and electron-transfer properties of some salicylaldiminato and 2-(arylazo)phenolato complexes of ruthenium. Polyhedron, 1996, 15, 1047-1055.	2.2	20

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73	Chemical oxidation of water to dioxygen. Homogeneous catalysis by a ruthenium aquo-complex. Transition Metal Chemistry, 1997, 22, 524-526.	1.4	20
74	Chemistry of ruthenium phenolates. Synthesis, characterization and redox properties of a group of salicylaldiminato complexes of ruthenium. Polyhedron, 1997, 16, 1755-1761.	2.2	20
75	Amino acid complexes of ruthenium: synthesis, characterization and cyclic voltammetric studies. Polyhedron, 1999, 18, 3669-3673.	2.2	20
76	Synthesis, structure and electrochemical properties of some thiosemicarbazone complexes of iridium. Structural Chemistry, 2007, 18, 209-215.	2.0	20
77	Ruthenium tris chelates with O,S-siderophores: synthesis, oxidation state, and electronic structure. Inorganic Chemistry, 1985, 24, 3224-3230.	4.0	19
78	Rhodium complexes of 1,3-diaryltriazenes: Usual coordination, Nâ€“H bond activation and, Nâ€“N and Câ€“N bond cleavage. Journal of Organometallic Chemistry, 2008, 693, 3923-3931.	1.8	19
79	Mononuclear palladium and heterodinuclear palladiumâ€“ruthenium complexes of semicarbazone ligands. Synthesis, characterization, and application in Câ€“C cross-coupling reactions. RSC Advances, 2012, 2, 5254.	3.6	19
80	Ligand control of metal oxidation states. Synthesis, characterization and cyclic voltammetric studies of a group of ruthenium phenolates. Polyhedron, 1996, 15, 257-263.	2.2	18
81	Unusual Transformation of N-Arylbenzohydroxamic Acids Mediated by Osmium. Formation of Organometallic Complexes of Osmium(III). Inorganic Chemistry, 2001, 40, 4085-4088.	4.0	18
82	Rhodium-Mediated Câ€“C Bond Activation of 2-(2â€²,6â€²-Dialkylarylazo)-4-methylphenols. Elimination and Migration of Alkyl Groups. Organometallics, 2007, 26, 6596-6603.	2.3	18
83	1-(2â€²-Pyridylazo)-2-naphtholate complexes of ruthenium: Synthesis, characterization, and DNA binding properties. Polyhedron, 2008, 27, 2943-2951.	2.2	18
84	Rhodium and iridium complexes of N-(2â€²-hydroxyphenyl)pyrrole-2-aldimine: Synthesis, structure, and spectral and electrochemical properties. Journal of Chemical Sciences, 2005, 117, 167-173.	1.5	17
85	Chemistry of osmium phenolates. Synthesis, structure and redox properties. Polyhedron, 1998, 17, 2191-2197.	2.2	16
86	Unprecedented Chemical Transformation of Benzaldehyde Semicarbazone Mediated by Osmium. Inorganic Chemistry, 2003, 42, 2069-2074.	4.0	16
87	Copper(I) complexes of N-(aryl)pyridine-2-aldimines: Spectral, electrochemical and catalytic properties. Polyhedron, 2011, 30, 2438-2443.	2.2	16
88	Benzaldehyde thiosemicarbazone complexes of platinum: Syntheses, structures and cytotoxic properties. Polyhedron, 2012, 45, 177-184.	2.2	16
89	Ruthenium phenolates: Synthesis, characterization and reactivities of a group of salicylaldiminato and 2-(arylazo)phenolato complexes of ruthenium. Polyhedron, 1996, 15, 2931-2938.	2.2	15
90	Bis(quinolin-8-olato) Complexes of Ruthenium. Synthesis, Characterization and Cyclic Voltammetric Studiesâ€. Journal of Chemical Research Synopses, 1997, , 98-99.	0.3	15

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91	Chemistry of osmium in N2P2Br2 coordination sphere. Polyhedron, 1999, 18, 2729-2736.	2.2	15
92	Ruthenium(IV) in centrosymmetric RuX2N2O2 coordination: synthesis, structure, and redox properties of dihalobis(triazene 1-oxidato)ruthenium species. Inorganic Chemistry, 1984, 23, 1709-1713.	4.0	14
93	Ruthenium picolinates. Synthesis, characterization and reactivities of some picolinate complexes of ruthenium(II). Polyhedron, 1994, 13, 2999-3004.	2.2	14
94	Chemistry of 2-(phenylazo)pyridine complexes of osmium: synthesis, characterization and reactivities. Polyhedron, 2000, 19, 1227-1232.	2.2	14
95	Rhodium assisted CH activation of N-(2â€²-hydroxyphenyl)benzaldimines. Synthesis, structure and electrochemical properties of a group of organorhodium complexes. Journal of Organometallic Chemistry, 2006, 691, 3581-3588.	1.8	14
96	Interaction of 2-(arylazo)phenols with rhodium. Usual coordination vs. Câ€“H and Câ€“C activation. Journal of Organometallic Chemistry, 2007, 692, 1025-1032.	1.8	14
97	Palladium and platinum complexes of 2-(2â€²-carboxyphenylazo)-4-methylphenol: Synthesis, structure and spectral properties. Journal of Chemical Sciences, 2008, 120, 441-446.	1.5	14
98	Synthesis, characterization and cyclic voltammetric studies of monopicolinate complexes of ruthenium(II). Transition Metal Chemistry, 1995, 20, 138.	1.4	13
99	Mixed-ligand 1,3-diaryltriazenide complexes of ruthenium: Synthesis, structure and catalytic properties. Inorganica Chimica Acta, 2013, 406, 20-26.	2.4	13
100	Stereoselective oxidation of a coordinated phenoxazinylate radical with molecular oxygen. Journal of the American Chemical Society, 1990, 112, 4561-4562.	13.7	12
101	Structural and spectroscopic properties of the bis(catecholato)dichloroferrate(2-) anion. Inorganic Chemistry, 1991, 30, 4288-4290.	4.0	12
102	Iridium mediated phenolic O-H activation and cyclometalation of 2-(naphthyl-1â€²-azo)-4-methylphenol â€” Formation of organoiridium complexes. Journal of Chemical Sciences, 2009, 121, 387-395.	1.5	12
103	Formation of organopalladium complexes via Câ€“Br and Câ€“C bond activation. Application in Câ€“C and Câ€“N coupling reactions. Journal of Organometallic Chemistry, 2013, 736, 1-8.	1.8	12
104	Palladium complexes of pyrrole-2-aldehyde thiosemicarbazone: Synthesis, structure and spectral properties. Journal of Chemical Sciences, 2014, 126, 1547-1555.	1.5	12
105	Synthesis, structure and electrochemical properties of a family of organoruthenium complexes. Polyhedron, 2007, 26, 3876-3884.	2.2	11
106	Interaction of 2-(2â€²,6â€²-dialkylphenylazo)-4-methylphenols with iridium. Câ€“H activation and migration of alkyl group. Journal of Organometallic Chemistry, 2010, 695, 1111-1118.	1.8	11
107	Reactivity of the sulfur center in rhodium-bound benzaldehyde thiosemicarbazones towards molecular oxygen. A theoretical investigation. Journal of Organometallic Chemistry, 2011, 696, 3779-3784.	1.8	11
108	A new diphosphine-carbonyl complex of ruthenium: an efficient precursor for Câ€“C and Câ€“N bond coupling catalysis. Dalton Transactions, 2018, 47, 10264-10272.	3.3	11

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109	Chemistry of some ruthenium phenolates: synthesis, structure and redox properties. Polyhedron, 2000, 19, 1673-1680.	2.2	10
110	Synthesis, structure and electrochemical properties of some oxime complexes of rhodium. New Journal of Chemistry, 2004, 28, 115.	2.8	10
111	Formation of organorhodium complexes via Câ€“H bond activation of 1,3-di(phenylazo)benzene. Dalton Transactions, 2011, 40, 5423.	3.3	10
112	Iridium mediated Nâ€“H and Câ€“H bond activation of N-(aryl)pyrrole-2-aldimines. Synthesis, structure and, spectral and electrochemical properties. Journal of Organometallic Chemistry, 2012, 713, 72-79.	1.8	10
113	Unusual chemical transformations of acetone thiosemicarbazone mediated by ruthenium: Câ€“H bond activation, thiolation, and Câ€“N bond cleavage. RSC Advances, 2014, 4, 1432-1440.	3.6	10
114	Di-ruthenium complexes having diphosphines and carbonyls: Formation, structure, and catalytic hydrogenation of alkynes. Journal of Organometallic Chemistry, 2017, 834, 47-57.	1.8	10
115	A group of diphosphine-thiosemicarbazone complexes of palladium: Efficient precursors for catalytic C C and C N coupling reactions. Inorganica Chimica Acta, 2019, 486, 232-239.	2.4	10
116	Iridium-mediated Nâ€“H and methyl Câ€“H bond activations in N-(2â€²,6â€²-dimethylphenyl)pyrrole-2-aldimine. Synthesis, characterization and catalytic applications. Journal of Organometallic Chemistry, 2014, 751, 760-768.	1.8	9
117	Synthesis, characterization and redox properties of mono- and bis-Î²-diketonate ruthenium complexes. Transition Metal Chemistry, 1999, 24, 95-99.	1.4	8
118	Organometallic complexes of the platinum metals: Synthesis, structure, and catalytic applications. Journal of Chemical Sciences, 2012, 124, 1165-1173.	1.5	8
119	Dual utility of a single diphosphineâ€“ruthenium complex: a precursor for new complexes and, a pre-catalyst for transfer-hydrogenation and Oppenauer oxidation. RSC Advances, 2021, 11, 15617-15631.	3.6	8
120	Unusual Transformation of Trialkylamines Mediated by Platinum. Organometallics, 2006, 25, 5969-5972.	2.3	7
121	Arene-ruthenium complexes with 2-(arylazo)phenol as ancillary ligand: Synthesis, characterization, and utilization in catalytic transfer-hydrogenation. Polyhedron, 2019, 172, 39-44.	2.2	7
122	Heteroleptic 1,4â€Ðiazabutadiene Complexes of Ruthenium: Synthesis, Characterization and Utilization in Catalytic Transfer Hydrogenation. European Journal of Inorganic Chemistry, 2020, 2020, 4539-4548.	2.0	7
123	Utilization of Guanidine-Based Ancillary Ligands in Areneâ€“Ruthenium Complexes for Selective Cytotoxicity. ACS Omega, 2021, 6, 8226-8238.	3.5	7
124	Chemistry of ruthenium in N2P2X2 (X = Cl, Br) coordination sphere: Synthesis, characterization and reactivities. Journal of Chemical Sciences, 1995, 107, 361-370.	1.5	7
125	Synthesis, characterization and cyclic voltammetric studies of ?-ketooximato ruthenium(II) complexes. Transition Metal Chemistry, 1996, 21, 158-161.	1.4	6
126	Tris-(1,3-diaryltriazenide) complexes of rhodium â€” Synthesis, structure and, spectral and electrochemical properties. Journal of Chemical Sciences, 2009, 121, 257-266.	1.5	6

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127	Title is missing!. Transition Metal Chemistry, 1998, 23, 429-434.	1.4	5
128	Synthesis, characterization and cyclic voltammetric studies of ruthenium oximates. Transition Metal Chemistry, 1996, 21, 423-427.	1.4	4
129	Copper complexes of 1,4-diazabutadiene ligands: Tuning of metal oxidation state and, application in catalytic C-C and C-N bond formation. Inorganica Chimica Acta, 2020, 500, 119228.	2.4	3
130	Development of a rutheniumâ€“aquo complex for utilization in synthesis and catalysis for selective hydration of nitriles and alkynes. New Journal of Chemistry, 2022, 46, 9098-9110.	2.8	3
131	Osmium assisted Câ€“H activation and CN cleavage of N-(2â€²-hydroxyphenyl) benzaldimines. Synthesis, structure and electrochemical properties of some organoosmium complexes. Journal of Organometallic Chemistry, 2010, 695, 2068-2075.	1.8	2
132	Chemical research of Sir Prafulla Chandra RÃ¢y. Resonance, 2001, 6, 42-49.	0.3	1
133	Rhodium and Iridium Mediated C-H and O-H Bond Activation of Two Schiff Base Ligands: Synthesis, Characterization and Catalytic Properties of the Organometallic Complexes. Frontiers in Chemistry, 2021, 9, 696460.	3.6	1
134	Chemistry of ruthenium-picolinates. Synthesis, characterization and cyclic voltammetric studies. Journal of Chemical Sciences, 1996, 108, 286-286.	1.5	1
135	Ruthenium Carbonyl Complexes with 4-R-Benzaldehyde Thiosemicarbazone as an Ancillary Ligand: Synthesis and, Structural, Spectral and Electrochemical Properties. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2016, 86, 551-559.	1.2	0
136	Facile Aerial Oxidation of Redox Non-innocent Organic Molecules on Silica Surface. Journal of Molecular and Engineering Materials, 0, , .	1.8	0