

Tapan Kumar Mondal

List of Publications by Year in descending order

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135
papers

2,942
citations

186265

28
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243625

44
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all docs

136
docs citations

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times ranked

3138
citing authors

#	ARTICLE	IF	CITATIONS
1	Human peripheral blood mononuclear cells targeted multidimensional switch for selective detection of HSO ₃ ^â anion. <i>Dyes and Pigments</i> , 2022, 198, 109966.	3.7	8
2	Palladium(II) complexes with thioether based ONS donor ligand: Synthesis, characterization, X-ray structure, DFT study and anti-cancer activity. <i>Inorganica Chimica Acta</i> , 2022, 534, 120802.	2.4	7
3	Palladium(II) and platinum(II) complexes with ONN donor pincer ligand: synthesis, characterization and <i>in vitro</i> cytotoxicity study. <i>New Journal of Chemistry</i> , 2022, 46, 11277-11285.	2.8	4
4	Fabrication of a new fluorogenic probe for detection of phosgene in solution and vapor phase. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128837.	7.8	25
5	A thioether containing reversible fluorescence <i>turn-on</i> chemosensor for selective detection of zinc(II): Applications in live cell imaging and inhibit logic gate. <i>Journal of Molecular Structure</i> , 2021, 1224, 129179.	3.6	13
6	Synthesis of new rhodium(III) complex by benzylic C S bond cleavage of thioether containing NNS donor Schiff base ligand: Investigation of catalytic activity towards transfer hydrogenation of ketones. <i>Inorganica Chimica Acta</i> , 2021, 515, 120096.	2.4	4
7	Synthesis, characterization, DFT calculations, protein binding and molecular docking studies of mononuclear dioxomolybdenum(VI) complexes with ONS donor ligand. <i>Journal of Molecular Structure</i> , 2021, 1234, 130192.	3.6	18
8	A new palladium(II) phosphino complex with ONS donor Schiff base ligand: Synthesis, characterization and catalytic activity towards Suzuki-Miyaura cross-coupling reaction. <i>Journal of Molecular Structure</i> , 2021, 1237, 130322.	3.6	17
9	A selective fluorogenic chemosensor for visual detection of chemical warfare reagent mimic diethylchlorophosphate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 388, 112188.	3.9	17
10	A simple coumarin based fluorescent <i>turn-on</i> probe for the selective detection of Al ³⁺ along with its application in live cell imaging via AGS cell line. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112294.	3.9	9
11	Synthesis of luminescent rhodium(III) cyclometalated complex by sp ² (C)â€S bond activation: Application as catalyst in transfer hydrogenation of ketones and live cell imaging. <i>Journal of Molecular Structure</i> , 2020, 1204, 127524.	3.6	4
12	Synthesis, characterization, X-ray structure and DNA binding study of palladium(II) complex with new thioether containing ONS donor ligand. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	1.5	9
13	Two New Quinolineâ€Benzothiazole Blended <i>Off-on</i> Type Fluorescent Probes Exclusively Detect Cd ²⁺ . <i>ChemistrySelect</i> , 2019, 4, 8068-8073.	1.5	9
14	Synthesis of thiolato bridged dimeric rhodium(III) triphenylphosphine complex via Câ€S bond cleavage: X-ray structure, DFT computation and catalytic evaluation towards transfer hydrogenation of ketones. <i>Journal of Molecular Structure</i> , 2019, 1198, 126932.	3.6	7
15	An ESIPT based chromogenic and fluorescent ratiometric probe for Zn ²⁺ with imaging in live cells and tissues. <i>New Journal of Chemistry</i> , 2019, 43, 1857-1863.	2.8	17
16	Facile detection of organophosphorus nerve agent mimic (DCP) through a new quinoline-based ratiometric switch. <i>New Journal of Chemistry</i> , 2019, 43, 8627-8633.	2.8	18
17	Luminescent rhenium(I) carbonyl complex with redox noninnocent ONS donor azo-phenol ligand: Synthesis, X-ray structure, photophysical properties and live cell imaging. <i>Polyhedron</i> , 2019, 161, 154-160.	2.2	5
18	Simple fabrication of a carbaldehyde based fluorescent <i>turn-on</i> probe for the selective and sole detection of Pd ²⁺ : application as test strips. <i>New Journal of Chemistry</i> , 2019, 43, 16915-16920.	2.8	5

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19	Synthesis of a rhodium(III) triphenylphosphine complex via C S bond cleavage of an azo-thioether ligand: X-ray structure, electrochemistry and catalysis towards transfer hydrogenation of ketones. <i>Polyhedron</i> , 2019, 158, 208-214.	2.2	7
20	Detection and discrimination of Zn ²⁺ and Hg ²⁺ using a single molecular fluorescent probe. <i>New Journal of Chemistry</i> , 2018, 42, 8646-8652.	2.8	18
21	Development of a new fluorescence ratiometric switch for endogenous hypochlorite detection in monocytes of diabetic subjects by dye release method. <i>Tetrahedron Letters</i> , 2018, 59, 1130-1135.	1.4	24
22	Cobalt(II), nickel(II) and copper(II) complexes of N-((2-pyridyl)methylidene)-6-coumarin: Characterization, DNA interaction, catecholase activity and theoretical interpretation. <i>Inorganica Chimica Acta</i> , 2018, 482, 659-668.	2.4	6
23	Synthesis of a zinc(II) complex with hexadentate N ₄ S ₂ donor thioether ligand: X-ray structure, DNA binding study and DFT computation. <i>Journal of Molecular Structure</i> , 2018, 1164, 94-99.	3.6	5
24	Structure, spectra and electrical conductivity of copper(I) and silver(I) phosphino bridging mixed ligand complexes with coumarinyl Schiff base. <i>Inorganica Chimica Acta</i> , 2018, 469, 523-535.	2.4	14
25	A new multi-analyte fluorogenic sensor for efficient detection of Al ³⁺ and Zn ²⁺ ions based on ESIPT and CHEF features. <i>New Journal of Chemistry</i> , 2018, 42, 19076-19082.	2.8	34
26	Palladium(II) complexes with thioether containing azophenol ligands: Synthesis, characterization, X-ray structure and DNA binding study. <i>Polyhedron</i> , 2018, 150, 118-125.	2.2	11
27	A new carbazole-benzothiazole based chemodosimeter for chromogenic and fluorogenic detection of CN ⁻ . <i>Journal of Luminescence</i> , 2018, 201, 419-426.	3.1	24
28	Platinum(II)-azoimidazole drugs against TB and cancer: Structural studies, cytotoxicity and anti-mycobacterial activity. <i>Polyhedron</i> , 2018, 152, 1-10.	2.2	6
29	Isoelectronic Pt(II) and Au(III)-N-heterocyclic carbene complexes: a structural and biological comparison. <i>New Journal of Chemistry</i> , 2018, 42, 10704-10711.	2.8	15
30	Anticancer Activity of a Complex of Cu ^{II} with 2-((2-hydroxyphenylazo)indole-3-yl)acetic Acid on three different Cancer Cell Lines: A Novel Feature for Azo Complexes. <i>ChemistrySelect</i> , 2017, 2, 2044-2054.	1.5	6
31	Synthesis of palladium(II) complex with NNS donor Schiff base ligand via C S bond cleavage: X-ray structure, electrochemistry and DFT computation. <i>Journal of Molecular Structure</i> , 2017, 1142, 110-115.	3.6	15
32	Synthesis and characterization of a ruthenium complex with bis(diphenylphosphino)propane and thioether containing ONS donor ligand: Application in transfer hydrogenation of ketones. <i>Polyhedron</i> , 2017, 131, 1-7.	2.2	15
33	Triphenylamine-benzimidazole based switch offers reliable detection of organophosphorus nerve agent (DCP) both in solution and gaseous state. <i>New Journal of Chemistry</i> , 2017, 41, 12562-12568.	2.8	20
34	An Efficient Fluorescence Turn-On-Chemosensor Comprising of Coumarin and Rhodamine Moieties for Al ³⁺ and Hg ²⁺ . <i>Journal of Fluorescence</i> , 2017, 27, 2051-2057.	2.5	11
35	Synthesis, characterization, redox behavior, DNA and protein binding and antibacterial activity studies of ruthenium(II) complexes of bidentate schiff bases. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2017, 36, 520-542.	1.1	4
36	Osmium-hydride-carbonyl complex with thioether containing Schiff base ligand: Synthesis, crystal structure, electrochemistry and catalytic transfer hydrogenation. <i>Journal of Organometallic Chemistry</i> , 2017, 846, 201-207.	1.8	12

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37	Ruthenium carbonyl complex of a redox non-innocent ONS donor azophenol ligand: Electrochemistry, photophysical property, electronic structure and catalytic activity towards oxidation of alcohols. <i>Journal of Organometallic Chemistry</i> , 2017, 828, 1-9.	1.8	14
38	A novel coumarin based molecular switch for the sequential detection of Al ³⁺ and F ⁻ : Application in lung cancer live cell imaging and construction of logic gate. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 338-346.	7.8	74
39	Mono- and di-nuclear nickel(II) complexes derived from NNO donor ligands: syntheses, crystal structures and magnetic studies of dinuclear analogues. <i>RSC Advances</i> , 2016, 6, 36020-36030.	3.6	28
40	Synthesis, crystal structure from PXRD of a Mn ^{II} (purp) ₂ complex, interaction with DNA at different temperatures and pH and lack of stimulated ROS formation by the complex. <i>RSC Advances</i> , 2016, 6, 51520-51532.	3.6	17
41	Synthesis, characterization, photo physical properties of two isomeric forms of an azo dye supported by DFT calculations and their interaction with DNA. <i>ChemistrySelect</i> , 2016, 1, 970-978.	1.5	4
42	Lead(II) complexes of 1-alkyl-2-(arylo)imidazole: Synthesis, structure, photochromism and metallomesogenic properties. <i>Polyhedron</i> , 2016, 117, 318-326.	2.2	9
43	A Phenanthraquinone Based Fluorescent Probe for Sequential Detection of Cu ²⁺ and SO ₃ ²⁻ . <i>Journal of Fluorescence</i> , 2016, 26, 2113-2118.	2.5	12
44	An octahedral nickel(II) complex of a hexadentate N ₂ O ₂ S ₂ thioether ligand: synthesis, characterization, X-ray and electronic structure. <i>Transition Metal Chemistry</i> , 2016, 41, 849-856.	1.4	0
45	Carbazole benzimidazole based dyes for acid responsive ratiometric emissive switches. <i>New Journal of Chemistry</i> , 2016, 40, 6907-6915.	2.8	26
46	Novel pyridyl based azo-derivative for the selective and colorimetric detection of nickel(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 159, 157-162.	3.9	13
47	Benzimidazole based ratiometric and colourimetric chemosensor for Ni(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 397-401.	3.9	24
48	Structural characterization of new Schiff bases of sulfamethoxazole and sulfathiazole, their antibacterial activity and docking computation with DHPS protein structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 268-279.	3.9	60
49	A novel coumarin based molecular switch for dual sensing of Zn(II) and Cu(II). <i>RSC Advances</i> , 2015, 5, 7647-7653.	3.6	34
50	Palladium(II) complex with thiazole containing tridentate ONN donor ligand: Synthesis, X-ray structure and DFT computation. <i>Journal of Molecular Structure</i> , 2015, 1088, 28-33.	3.6	15
51	Lewis base controlled supramolecular architectures via non-covalent interactions of dioxomolybdenum(VI) complexes with an ONS donor ligand: DFT calculations and biological study. <i>New Journal of Chemistry</i> , 2015, 39, 2778-2794.	2.8	26
52	A new visible-light-excitable ICT-CHEF-mediated fluorescence "turn-on" probe for the selective detection of Cd ²⁺ in a mixed aqueous system with live-cell imaging. <i>Dalton Transactions</i> , 2015, 44, 5763-5770.	3.3	74
53	Structures, antimicrobial activity, DNA interaction and molecular docking studies of sulfamethoxazolyl-azo-acetylacetone and its nickel(II) complex. <i>Polyhedron</i> , 2015, 99, 77-86.	2.2	14
54	A copper(II) complex with a thioether and ether containing azophenol ligand: Synthesis, spectra, X-ray structure and DFT computations. <i>Polyhedron</i> , 2015, 102, 32-40.	2.2	14

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55	Rhodium(III)-triphenylphosphine complex with NNS donor thioether containing Schiff base ligand: Synthesis, spectra, electrochemistry and catalytic activity. <i>Journal of Molecular Structure</i> , 2015, 1099, 297-303.	3.6	13
56	Comparison of Redox Activity between 2-Aminothioether and 2-Aminothiophenol: Redox-Induced Dimerization of 2-Aminothioether via C=C Coupling. <i>Inorganic Chemistry</i> , 2015, 54, 6235-6244.	4.0	5
57	Fluorescence sensing and intracellular imaging of Al ³⁺ ions by using naphthalene based sulfonamide chemosensor: structure, computation and biological studies. <i>RSC Advances</i> , 2015, 5, 73626-73638.	3.6	33
58	Synthesis, crystal structures and theoretical studies of dinuclear Mn(II) and Ni(II) complexes of phenol-based π -compartmental ligand. <i>Journal of Molecular Structure</i> , 2015, 1100, 318-327.	3.6	5
59	Supramolecular frameworks of binuclear dioxomolybdenum(ν) complexes with ONS donor ligands using 4,4'-azopyridine as a pillar: crystal structure, DFT calculations and biological study. <i>New Journal of Chemistry</i> , 2015, 39, 8681-8694.	2.8	19
60	Quinoline based reversible fluorescent $\text{turn-on}^{\text{TM}}$ chemosensor for the selective detection of Zn ²⁺ : Application in living cell imaging and as INHIBIT logic gate. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 138-146.	7.8	65
61	Palladium(II)-iodo-[1-alkyl-2-(arylo)imidazole] complexes: Synthesis, structure, dynamics of photochromism and DFT computation. <i>Polyhedron</i> , 2015, 85, 900-911.	2.2	8
62	Binuclear dioxomolybdenum(VI) complexes of some tridentate ONS donor ligand containing [MoO ₂] ²⁺ as the acceptor center: Synthesis, crystal structure, supramolecular architectures via hydrogen bonds, π - π stacking and DFT calculations. <i>Polyhedron</i> , 2015, 85, 196-207.	2.2	19
63	Double C-H Activation Associated with Etheral Oxygen Insertion to Phenazine Architecture in Oxidisable Ruthenium(III) Complexes: A Mechanistic Insight. <i>Chemistry - A European Journal</i> , 2014, 20, 2680-2680.	3.3	0
64	Synthesis, structure, photochromism, mesogenic property and DFT computations of silver(I) complexes of long chain alkyl group containing 1-alkyl-2-(arylo)imidazoles. <i>Polyhedron</i> , 2014, 79, 186-196.	2.2	8
65	Ruthenium(III) complexes with tetradentate NSNO donor ligand: Synthesis, electronic structure, catalytic activity and DFT calculation. <i>Inorganica Chimica Acta</i> , 2014, 411, 106-112.	2.4	13
66	Redox Non-Innocence of Coordinated 2-(Arylo) Pyridines in Iridium Complexes: Characterization of Redox Series and an Insight into Voltage-Induced Current Characteristics. <i>Chemistry - A European Journal</i> , 2014, 20, 6103-6111.	3.3	45
67	A radical pathway in catecholase activity with nickel(ν) complexes of phenol based π -compartmental ligands. <i>Dalton Transactions</i> , 2014, 43, 841-852.	3.3	58
68	Formation of bis($\frac{1}{4}$ -tetrazolato)dinickel(ν) complexes with N,N,O-donor Schiff bases via in situ 1,3-dipolar cyclo-additions: isolation of a novel bi-cyclic trinuclear nickel(ν)-sodium(ν)-nickel(ν) complex. <i>Dalton Transactions</i> , 2014, 43, 2936-2947.	3.3	41
69	A novel 2,6-diformyl-4-methylphenol based chemosensor for Zn(ν) ions by ratiometric displacement of Cd(ν) ions and its application for cell imaging on human melanoma cancer cells. <i>Analyst</i> , 2014, 139, 495-504.	3.5	54
70	Structure, fluorescence, redox properties and theoretical interpretation of heteroleptic copper(I) and silver(I) complexes of N-[(2-pyridyl)methylidene]-6-coumarin and triphenylphosphine. <i>Inorganica Chimica Acta</i> , 2014, 410, 202-213.	2.4	15
71	Alcohol oxidation reactions catalyzed by ruthenium-carbonyl complexes of thioaryloimidazoles. <i>Applied Organometallic Chemistry</i> , 2014, 28, 641-651.	3.5	23
72	Al ³⁺ selective coumarin based reversible chemosensor: application in living cell imaging and as integrated molecular logic gate. <i>RSC Advances</i> , 2014, 4, 30666-30672.	3.6	36

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73	Imino-phenolic azodye appended rhodamine as a primary fluorescence "on-off" chemosensor for tin (Sn ⁴⁺) in solution and in RAW cells and the recognition of sulphide by [AR-Sn]. RSC Advances, 2014, 4, 36615-36622.	3.6	23
74	Palladium(II) and platinum(II) complexes of N-(2-pyridyl)methylidene-6-coumarin and N-(2-hydroxy)benzylidene-6-coumarin. Inorganica Chimica Acta, 2014, 423, 52-61.	2.4	14
75	Synthesis, electronic structure and catalytic activity of ruthenium-iodo-carbonyl complexes with thioether containing NNS donor ligand. Journal of Molecular Structure, 2014, 1065-1066, 52-60.	3.6	7
76	Coumarin based dual switching fluorescent "turn-on" chemosensor for selective detection of Zn ²⁺ and HSO ₄ ⁻ : an experimental and theoretical study. RSC Advances, 2014, 4, 25341-25347.	3.6	48
77	Novel tetranuclear Ni(II) Schiff base complex containing Ni ₄ O ₄ cubane core: Synthesis, X-ray structure, spectra and magnetic properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 714-719.	3.9	10
78	Octahedral Mn(II) complex with new NNO donor Schiff base ligand: Synthesis, structure, photoluminescent behavior and computational studies. Polyhedron, 2014, 81, 66-73.	2.2	14
79	Synthesis, crystal structure and spectral properties of 2-[(1-Methyl-2-benzimidazolyl)azo]-p-cresol: An experimental and theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 421-425.	3.9	7
80	Intercalated iodobismuthate in the layers of azoimidazoles. Structure, photochromism and DFT computation. Polyhedron, 2013, 54, 147-157.	2.2	15
81	Ruthenium carbonyl complexes of 3-(2-(methylthio)phenylazo)-4-hydroxy-3-penten-2-one: Synthesis, spectral characterization, electronic structure and catalytic activity. Journal of Molecular Structure, 2013, 1054-1055, 83-88.	3.6	18
82	Rhenium(I) complexes with NNS donor thioaryloimidazole ligands with the cis-{Re(CO) ₂ } ⁺ core: Synthesis, characterization, electrochemical study and DFT calculation. Journal of Molecular Structure, 2013, 1047, 73-79.	3.6	11
83	A red fluorescence "off-on" molecular switch for selective detection of Al ³⁺ , Fe ³⁺ and Cr ³⁺ : experimental and theoretical studies along with living cell imaging. Chemical Communications, 2013, 49, 10739.	4.1	170
84	Cu(II) complexes of a new tetradentate N ₂ SO donor: synthesis, structure, electrochemistry, and DFT computation. Journal of Coordination Chemistry, 2013, 66, 4067-4079.	2.2	8
85	Ruthenium(II) carbonyl complexes with N-[(2-pyridyl)methylidene]-1,2-aminonaphthalene: Synthesis, spectroscopic studies and DFT calculation. Journal of Molecular Structure, 2013, 1036, 28-34.	3.6	2
86	Synthesis, crystal structure and DFT analysis of a phenoxo bridged Cu(II) complex and an azide and 1/3-O mixed bridged trinuclear Cu(II) complex. Polyhedron, 2013, 50, 51-58.	2.2	15
87	Use of a Ru/Os-CO-diiodide precursor to synthesize heteroleptic 1-alkyl-2-(arylo)imidazole complexes: The structural characterization, electrochemistry and catalytic activity. Polyhedron, 2013, 50, 246-254.	2.2	3
88	Dimer formation by symbiotic donor-acceptor interaction between two molecules of a specially designed dioxomolybdenum(VI) complex containing both donor and acceptor centers "A structural, spectroscopic and DFT study. Polyhedron, 2013, 55, 192-200.	2.2	18
89	Copper(I)/silver(I)-phosphine-N-(2-pyridyl)methylidene-6-coumarin complexes: Syntheses, structures, redox interconversion, photophysical properties and DFT computation. Polyhedron, 2013, 51, 27-40.	2.2	15
90	Synthesis, characterization, electronic structure and catalytic activity of new ruthenium carbonyl complexes of N-[(2-pyridyl)methylidene]-2-aminothiazole. Journal of Molecular Structure, 2013, 1035, 277-284.	3.6	5

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91	fac-Tricarbonyl rhenium(I) complexes of 2-(alkylthio)-N-((pyridine-2-yl)methylene)benzenamine: Synthesis, spectroscopic characterization, X-ray structure and DFT calculation. <i>Inorganica Chimica Acta</i> , 2013, 399, 138-145.	2.4	11
92	Synthesis, X-ray structure, spectroscopic and DFT study of cis-[Ru(PPh ₃)(L)X ₂] complexes (X=Cl ⁻ , Br ⁻), Tj ETQq0 0 0 rgBT /Overlock I 583-590.	2.4	17
93	Ruthenium(II) complexes of pyrrol-azo ligands: cytotoxicity, interaction with calf thymus DNA and bovine serum albumin. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2747-2764.	2.2	20
94	Self-assembled nanostructures of specially designed Schiff-bases and their zinc complexes: Preparation, characterization and photoluminescence property. <i>Journal of Molecular Structure</i> , 2013, 1042, 104-111.	3.6	5
95	Structure, photophysics, electrochemistry and DFT calculations of [RuH(CO)(PPh ₃) ₂ (coumarinyl-azo-imidazole)]. <i>Polyhedron</i> , 2013, 53, 193-201.	2.2	7
96	Synthesis, characterization, crystal structure and density functional theory (DFT) calculations of dioxomolybdenum (VI) complexes of an ONS donor ligand derived from benzoylacetone and S-benzyl dithiocarbamate. <i>Polyhedron</i> , 2013, 50, 602-611.	2.2	11
97	1-alkyl-2-((thioalkyl)phenylazo)imidazole complexes of Pb ^{II} and their photochromic property. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1861-1870.	1.2	7
98	Strong metal-metal coupling in mixed-valent intermediates [Cl(L)Ru(1/4-tppz)Ru(L)Cl] ⁺ , L = 1 ² -diketonato ligands, tppz = 2,3,5,6-tetrakis(2-pyridyl)pyrazine. <i>Dalton Transactions</i> , 2012, 41, 13429.	3.3	19
99	Azo Anion Radical Complex of Rhodium as a Molecular Memory Switching Device: Isolation, Characterization, and Evaluation of Current-Voltage Characteristics. <i>Journal of the American Chemical Society</i> , 2012, 134, 6520-6523.	13.7	101
100	Comparative Study on ortho-C-H vs ortho-C-X (X = C, Cl, S) Bond Activation in ortho-C _{aromatic} -N Bond Fusion in Substituted Anilines Using Ruthenium(II) Mediators: Isolation and Characterization of Unusual Ru ₂ Complexes. <i>Organometallics</i> , 2012, 31, 5282-5293.	2.3	9
101	Radical Pathway in Catecholase Activity with Zinc-Based Model Complexes of Compartmental Ligands. <i>Inorganic Chemistry</i> , 2012, 51, 8750-8759.	4.0	105
102	Diastereomerism in tetranuclear copper(II) complexes of a phenol based end-off-compartmental ligand. <i>Inorganic Chemistry Communication</i> , 2012, 23, 113-116.	3.9	12
103	Ru(II)-halide-carbonyl complexes of naphthylazoimidazoles: Synthesis, spectra, electrochemistry, catalytic activity and electronic structure. <i>Journal of Organometallic Chemistry</i> , 2012, 716, 129-137.	1.8	22
104	The intricate paramagnetic state of [Os(Q)2(bpy)] ⁺ , Q = 4,6-di-tert-butyl-o-aminobenzoquinone. <i>Dalton Transactions</i> , 2012, 41, 11675.	3.3	17
105	Azide bridged dicopper(II), dicobalt(II) complexes and a rare double 1/4-chloride bridged ferromagnetic dicobalt(II) complex of a pyrazolyl-pyrimidine ligand: Synthesis, crystal structures, magnetic and DFT studies. <i>Polyhedron</i> , 2012, 38, 258-266.	2.2	28
106	Correspondence of Ru ^{III} Ru ^{II} and Ru ^{IV} Ru ^{III} Mixed Valent States in a Small Dinuclear Complex. <i>Chemistry - A European Journal</i> , 2012, 18, 5667-5675.	3.3	29
107	Synthesis, spectra, structure, redox properties and DFT computation of copper(I)-triphenylphosphine-pyridyl Schiff bases. <i>Inorganica Chimica Acta</i> , 2012, 387, 240-247.	2.4	18
108	Re(I) carbonyl complexes of N-[(2-pyridyl)methylidene]-1± (or 1 ²)-aminonaphthalene: Synthesis, structure, electrochemistry and DFT analysis. <i>Journal of Molecular Structure</i> , 2012, 1017, 19-25.	3.6	9

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127	Carboxylate Tolerance of the Redox-Active Platform $[\text{Ru}(\text{tppz})\text{Ru}]$, where tppz = 2,3,5,6-Tetrakis(2-pyridyl)pyrazine, in the Electron-Transfer Series $[(\text{L})\text{ClRu}(\text{tppz})\text{RuCl}(\text{L})]$, $\text{L} = 2+, +, 0, \text{acac}^-, \text{pic}^-, \text{pic}^-, \text{pic}^-, \text{pic}^-$, with 2-Picolinato, Quinaldato, and 8-Quinolincarboxylato Ligands ($\text{L} = 2+, +, 0, \text{acac}^-, \text{pic}^-, \text{pic}^-, \text{pic}^-$). <i>Inorganic Chemistry</i> , 2010, 49, 6565-6574.	4.0	24
128	A Unique Nickel System having Versatile Catalytic Activity of Biological Significance. <i>Inorganic Chemistry</i> , 2010, 49, 3121-3129.	4.0	76
129	1,4-Alkyl migration associated with simultaneous C-C bond cleavage and N-C bond formation in platinum complexes of 2-aminothioethers. Characterization of intramolecular interligand charge transfer phenomenon. <i>Dalton Transactions</i> , 2010, 39, 2717.	3.3	28
130	Ruthenium(II)-CO complexes of N-[(2-pyridyl)methylidene]-1,2-aminonaphthalene: Synthesis, spectral studies, crystal structure, redox properties and DFT calculation. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 4124-4133.	1.8	23
131	The Semiquinone Ruthenium Complex as a Remarkably Invariant Feature in the Redox and Substitution Series $[\text{Ru}(\text{Q})(\text{acac})_3]$, $\text{Q} = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000$	4.0	61
132	Sensitive Valence Structures of $[(\text{pap})_2\text{Ru}(\text{Q})]$, $\text{Q} = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000$	4.0	47
133	Structure, spectra and electrochemistry of ruthenium-carbonyl complexes of naphthylazoimidazole. <i>Inorganica Chimica Acta</i> , 2008, 361, 2431-2438.	2.4	8
134	Copper(I) and Silver(I) Complexes of 1-alkyl-2-(methyl)-4-(arylo)imidazole. Synthesis, Spectral Studies and Electrochemistry. <i>Transition Metal Chemistry</i> , 2006, 31, 293-298.	1.4	8
135	Facile Aerial Oxidation of Redox Non-innocent Organic Molecules on Silica Surface. <i>Journal of Molecular and Engineering Materials</i> , 0, , .	1.8	0