

# Barbara Machura

## List of Publications by Citations

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228  
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#	Paper	IF	Citations
220	Ferromagnetic Coupling Through the End-to-End Thiocyanate Bridge in Cobalt(II) and Nickel(II) Chains. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2380-2388	3.5	83
219	Single ion magnet behaviour in a two-dimensional network of dicyanamide-bridged cobalt(II) ions. <i>Dalton Transactions</i> , <b>2015</b> , 44, 2989-92	4.3	56
218	Copper(ii) complexes of functionalized 2,2':6',2''-terpyridines and 2,6-di(thiazol-2-yl)pyridine: structure, spectroscopy, cytotoxicity and catalytic activity. <i>Dalton Transactions</i> , <b>2017</b> , 46, 9591-9604	4.3	53
217	Single-ion magnet behaviour in mononuclear and two-dimensional dicyanamide-containing cobalt(ii) complexes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 10181-93	4.3	52
216	Structural diversity and magnetic properties of thiocyanate copper(II) complexes. <i>Polyhedron</i> , <b>2013</b> , 52, 1276-1286	2.7	51
215	Tricarbonylrhenium complexes from 2-pyridyl-1,2,3-triazole ligands bearing a 4-substituted phenyl arm: a combined experimental and theoretical study. <i>Dalton Transactions</i> , <b>2013</b> , 42, 7019-31	4.3	46
214	Rhenium(I) and technetium(I) complexes of a novel pyridyltriazole-based ligand containing an arylpiperazine pharmacophore: Synthesis, crystal structures, computational studies and radiochemistry. <i>Inorganic Chemistry Communication</i> , <b>2011</b> , 14, 238-242	3.1	44
213	Rhenium(I) terpyridine complexes - synthesis, photophysical properties and application in organic light emitting devices. <i>Dalton Transactions</i> , <b>2016</b> , 45, 1746-62	4.3	43
212	Structural and spectroscopic properties of rhenium nitrosyl complexes. <i>Coordination Chemistry Reviews</i> , <b>2005</b> , 249, 2277-2307	23.2	41
211	High Catalytic Activity of Vanadium Complexes in Alkane Oxidations with Hydrogen Peroxide: An Effect of 8-Hydroxyquinoline Derivatives as Noninnocent Ligands. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 1824-1839	5.1	40
210	Synthesis, spectroscopic characterization and X-ray studies of two novel double open cubane-like cadmium(II) complexes. <i>Polyhedron</i> , <b>2012</b> , 31, 548-557	2.7	40
209	Contribution to investigation of antimicrobial activity of styrylquinolines. <i>Bioorganic and Medicinal Chemistry</i> , <b>2012</b> , 20, 6960-8	3.4	40
208	End-to-end thiocyanato-bridged zig-zag polymers of CuII, CoII and NiII with a hydrazone ligand: EPR, magnetic susceptibility and biological study. <i>Polyhedron</i> , <b>2012</b> , 44, 77-87	2.7	38
207	Tuning the photophysical properties of 4'-substituted terpyridines - an experimental and theoretical study. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 3793-808	3.9	38
206	Cu(II), Cd(II) and Ni(II) azide complexes incorporating bis(3,5-dimethylpyrazol-1-yl)methane $\square$ Synthesis, spectroscopic characterisation, X-ray studies and magnetic properties. <i>Polyhedron</i> , <b>2011</b> , 30, 2815-2823	2.7	36
205	Thiocyanate manganese(II) and cobalt(II) complexes of bis(pyrazol-1-yl)methane and bis(3,5-dimethylpyrazol-1-yl)methane $\square$ Syntheses, spectroscopic characterization, X-ray structure and magnetic properties. <i>Polyhedron</i> , <b>2013</b> , 56, 189-199	2.7	35
204	Novel oxorhenium complexes with 2-(2'-hydroxyphenyl)-2-benzothiazolinato ligand: X-ray studies, spectroscopic characterization and DFT calculations. <i>Polyhedron</i> , <b>2008</b> , 27, 1679-1689	2.7	34

203	Structural and spectroscopic properties of dinuclear rhenium complexes containing (ReO) <sub>2</sub> (EO) core. <i>Coordination Chemistry Reviews</i> , <b>2005</b> , 249, 591-612	23.2	33
202	Novel copper complexes based on the thiocyanate bridge. Synthesis, X-ray studies and magnetic properties. <i>Polyhedron</i> , <b>2011</b> , 30, 832-840	2.7	32
201	Synthesis, spectroscopic characterization, X-ray structure and DFT calculations of copper(II) complex with 2-(2-pyridyl)benzimidazole. <i>Polyhedron</i> , <b>2009</b> , 28, 1348-1354	2.7	31
200	N- and S-bonded thiocyanate copper(II) complexes of 2,6-bis-(benzimidazolyl)pyridine. Synthesis, spectroscopic characterization, X-ray structure and DFT calculations. <i>Polyhedron</i> , <b>2012</b> , 45, 221-228	2.7	30
199	Spin Crossover in Double Salts Containing Six- and Four-Coordinate Cobalt(II) Ions. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 6281-6296	5.1	28
198	Spectroscopy, electrochemistry and antiproliferative properties of Au(III), Pt(II) and Cu(II) complexes bearing modified 2,2':6',2''-terpyridine ligands. <i>Dalton Transactions</i> , <b>2018</b> , 47, 6444-6463	4.3	28
197	Oxo-Rhenium(V) Complexes Containing Heterocyclic Ligands as Catalysts for the Reduction of Sulfoxides. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 1855-1859	3.2	28
196	Syntheses, structures, thermal and luminescent properties of cadmium(II) complexes based on quinazoline and phthalazine. <i>Polyhedron</i> , <b>2013</b> , 54, 272-284	2.7	28
195	Thiocyanate manganese(II) complexes with pyridine and its derivatives ligands. <i>Polyhedron</i> , <b>2011</b> , 30, 746-753	2.7	28
194	Oxorhenium(V) complexes with quinoline-2-carboxylate ligand. X-ray structure of [ReOCl <sub>2</sub> (quin-2-c)(PPh <sub>3</sub> )] and [ReOBr <sub>2</sub> (quin-2-c)(AsPh <sub>3</sub> )] complexes: DFT and TD-DFT calculations for [ReOCl <sub>2</sub> (quin-2-c)(PPh <sub>3</sub> )]. <i>Polyhedron</i> , <b>2007</b> , 26, 3686-3694	2.7	28
193	High-temperature spin crossover in a mononuclear six-coordinate cobalt(II) complex. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 10009-11	5.1	27
192	Slow Magnetic Relaxation in Cobalt(II) Field-Induced Single-Ion Magnets with Positive Large Anisotropy. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 12740-12755	5.1	27
191	Field-induced slow magnetic relaxation in pseudooctahedral cobalt(II) complexes with positive axial and large rhombic anisotropy. <i>Dalton Transactions</i> , <b>2019</b> , 48, 1404-1417	4.3	26
190	Copper(II) complexes with 2,2':6',2''-terpyridine, 2,6-di(thiazol-2-yl)pyridine and 2,6-di(pyrazin-2-yl)pyridine substituted with quinolines. Synthesis, structure, antiproliferative activity, and catalytic activity in the oxidation of alkanes and alcohols with peroxides. <i>Dalton Transactions</i> , <b>2019</b> , 48, 12656-12673	4.3	26
189	Efficient and chemoselective direct reductive amination of aromatic aldehydes catalyzed by oxorhenium complexes containing heterocyclic ligands. <i>Tetrahedron</i> , <b>2013</b> , 69, 9145-9154	2.4	26
188	Novel bimetallic thiocyanate-bridged Cu(II)Hg(II) compounds. Synthesis, X-Ray studies and magnetic properties. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 197, 218-227	3.3	26
187	Coordination studies of 5,6-diphenyl-3-(2-pyridyl)-1,2,4-triazine towards Cu <sup>2+</sup> cation. X-ray studies, spectroscopic characterization and DFT calculations. <i>Polyhedron</i> , <b>2008</b> , 27, 2959-2967	2.7	26
186	Coordination assemblies of Cd(II) with 2,2':6',2''-terpyridine (terpy), 2,3,5,6-tetra-(2-pyridyl)pyrazine (tppz) and pseudohalide ions. Structural diversification and luminescence properties. <i>CrystEngComm</i> , <b>2015</b> , 17, 830-845	3.3	25

185	Synthesis, photophysical properties and application in organic light emitting devices of rhenium(I) carbonyls incorporating functionalized 2,2':6',2''-terpyridines. <i>RSC Advances</i> , <b>2016</b> , 6, 56335-56352	3.7	25
184	New p-tolylimido rhenium(V) complexes with carboxylate-based ligands: synthesis, structures and their catalytic potential in oxidations with peroxides. <i>Dalton Transactions</i> , <b>2014</b> , 43, 5759-76	4.3	23
183	Manganese(II) complexes of 2,3,5,6-tetra-(2-pyridyl)pyrazine: Syntheses, crystal structures, spectroscopic, magnetic and catalytic properties. <i>Polyhedron</i> , <b>2013</b> , 53, 132-143	2.7	23
182	Oxorhenium(V) complexes of quinoline and isoquinoline carboxylic acids--synthesis, structural characterization and catalytic application in epoxidation reactions. <i>Dalton Transactions</i> , <b>2013</b> , 42, 8827-37	4.3	23
181	Reactivity of [ReOX <sub>3</sub> (PPh <sub>3</sub> ) <sub>2</sub> ] and [ReOX <sub>3</sub> (AsPh <sub>3</sub> ) <sub>2</sub> ] towards 2-(2-hydroxyphenyl)-1H-benzimidazole: Synthesis, X-ray studies, spectroscopic characterization and DFT calculations for [ReOX <sub>2</sub> (hpb)(EPh <sub>3</sub> )] and [ReO(OMe)(hpb) <sub>2</sub> ][MeCN]. <i>Polyhedron</i> , <b>2009</b> , 28, 2949-2964	2.7	23
180	Synthesis, spectroscopic, electrochemical and computational studies of rhenium(I) tricarbonyl complexes based on bidentate-coordinated 2,6-di(thiazol-2-yl)pyridine derivatives. <i>Dalton Transactions</i> , <b>2017</b> , 46, 9605-9620	4.3	22
179	Oxidorrhenium(V) Complexes with Phenolate- and Carboxylate-Based Ligands: Structure and Catalytic Epoxidation. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 3764-3773	2.3	22
178	THE SYNTHESIS, CRYSTAL, MOLECULAR AND ELECTRONIC STRUCTURES OF TRIBROMO(NITROSYL) BIS(TRIPHENYLPHOSPHINE OXIDE) RHENIUM(II) AND TRIBROMO(NITROSYL) BIS(TRIPHENYLPHOSPHINE)RHENIUM(I). <i>Journal of Coordination Chemistry</i> , <b>2001</b> , 52, 361-373	1.6	22
177	Effect of N-donor ancillary ligands on structural and magnetic properties of oxalate copper(II) complexes. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 1611-1626	3.6	21
176	Novel thiocyanate complexes of cadmium(II): Synthesis, spectroscopic characterization, X-ray studies and DFT calculations. <i>Polyhedron</i> , <b>2011</b> , 30, 2619-2626	2.7	21
175	X-ray studies, spectroscopic characterisation and DFT calculations for Mn(II), Ni(II) and Cu(II) complexes with 5,6-diphenyl-3-(2-pyridyl)-1,2,4-triazine. <i>Structural Chemistry</i> , <b>2011</b> , 22, 77-87	1.8	21
174	Linear and bent oxo-bridged dinuclear rhenium(V) complexes with terminal and bridging pyrazole ligands. <i>Inorganica Chimica Acta</i> , <b>2004</b> , 357, 1011-1022	2.7	21
173	Synthesis, crystal, molecular and electronic structure of the [ReBr <sub>3</sub> (NO)(AsPh <sub>3</sub> )(pzH)] complex. <i>Polyhedron</i> , <b>2004</b> , 23, 2523-2531	2.7	21
172	Synthesis, crystal, molecular and electronic structure of the [Re(NO)Cl <sub>2</sub> (PPh <sub>3</sub> )(PPh <sub>2</sub> py-P,N)] complex. <i>Polyhedron</i> , <b>2006</b> , 25, 1985-1993	2.7	20
171	Thiocyanate copper complexes with pyrazole-derived ligands: Synthesis, crystal structures, DFT calculations and magnetic properties. <i>CrystEngComm</i> , <b>2016</b> , 18, 9042-9055	3.3	19
170	Copper(II) complexes of bis(pyrazol-1-yl)methane: Synthesis, spectroscopic characterization, X-ray structure and DFT calculations. <i>Polyhedron</i> , <b>2011</b> , 30, 864-872	2.7	19
169	New synthetic routes to some nitrosyl rhenium complexes. Crystal, molecular and electronic structure of [ReCl <sub>3</sub> (NO)(PPh <sub>3</sub> ) <sub>2</sub> ] and [ReCl <sub>2</sub> (CO)(NO)(PPh <sub>3</sub> ) <sub>2</sub> ] complexes. <i>Polyhedron</i> , <b>1999</b> , 18, 2313-2320	2.7	19
168	THE SYNTHESIS, CRYSTAL, MOLECULAR AND ELECTRONIC STRUCTURE OF TRICHLORO(NITROSYL)BIS(TRIPHENYL-PHOSPHINE OXIDE)RHENIUM(II). <i>Journal of Coordination Chemistry</i> , <b>1999</b> , 48, 125-135	1.6	19

167	Structural characterization of cobalt(II) complexes of an N,O donor Schiff base and their activity on carcinoma cells. <i>Polyhedron</i> , <b>2014</b> , 71, 85-90	2.7	18
166	Experimental and computational investigations of cadmium(II) complexes incorporating 2-benzoylpyridine. <i>Polyhedron</i> , <b>2011</b> , 30, 2294-2302	2.7	18
165	Rhenium(I) carbonyl complex of 4,7-diphenyl-1,10-phenanthroline Spectroscopic properties, X-Ray structure, theoretical studies of ground and excited electronic states. <i>Journal of Organometallic Chemistry</i> , <b>2011</b> , 696, 3068-3075	2.3	18
164	X-ray and electronic structure of the [ReCl <sub>3</sub> (pzH) <sub>2</sub> (PPh <sub>3</sub> )] and [ReCl <sub>3</sub> (3,5-Me <sub>2</sub> pzH) <sub>2</sub> (PPh <sub>3</sub> )] complexes. <i>Polyhedron</i> , <b>2004</b> , 23, 1819-1827	2.7	18
163	Thiocyanate cadmium(II) coordination compounds with 2,3,5,6-tetrakis(2-pyridyl)pyrazine Synthesis, structure and luminescent properties. <i>Polyhedron</i> , <b>2017</b> , 135, 109-120	2.7	17
162	A family of solution processable ligands and their Re(I) complexes towards light emitting applications. <i>Dyes and Pigments</i> , <b>2019</b> , 163, 86-101	4.6	17
161	Thiocyanate cadmium(II) complexes of 2,4,6-tri(2-pyridyl)-1,3,5-triazine Synthesis, structure and luminescence properties. <i>Journal of Luminescence</i> , <b>2014</b> , 156, 240-254	3.8	16
160	Rhenium(V) oxocomplexes [ReOX(N $\bar{O}$ ) <sub>2</sub> ] and [ReOL(N $\bar{O}$ ) <sub>2</sub> ]+ Synthesis, structure, spectroscopy and catalytic properties. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 275, 154-164	23.2	16
159	Synthesis, crystal, molecular and electronic structure of [ReOCl <sub>3</sub> (phen)] and [ReCl <sub>2</sub> (phen)(PPh <sub>3</sub> ) <sub>2</sub> ](ReO <sub>4</sub> ) complexes. <i>Polyhedron</i> , <b>2006</b> , 25, 2537-2549	2.7	16
158	2,2':6',2''-Terpyridine Analogues: Structural, Electrochemical, and Photophysical Properties of 2,6-Di(thiazol-2-yl)pyridine Derivatives. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 2730-2745	3.2	15
157	Platinum(II) complexes showing high cytotoxicity toward A2780 ovarian carcinoma cells. <i>Dalton Transactions</i> , <b>2019</b> , 48, 13081-13093	4.3	15
156	Novel p-tolylimido rhenium(V) complexes of imidazole-derived ligand Synthesis, X-ray studies, spectroscopic characterization and DFT calculations. <i>Polyhedron</i> , <b>2012</b> , 31, 128-135	2.7	15
155	Tricarbonyl rhenium(I) complex of benzothiazole Synthesis, spectroscopic characterization, X-ray crystal structure and DFT calculations. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 724, 82-87	2.3	15
154	Novel Re(I) tricarbonyl complexes of chelating ligands with aromatic N-heterocycle ring and aliphatic amine donor Synthesis, spectroscopic characterization, X-ray structure and DFT calculations. <i>Polyhedron</i> , <b>2011</b> , 30, 2275-2285	2.7	15
153	Synthesis, spectroscopic characterization, crystal and molecular structure of [ReOBr(hmqin-7-COOH) <sub>2</sub> ] and [ReOCl(hmqin-7-COOH) <sub>2</sub> ][MeCN] complexes. DFT and TD-DFT calculations for [ReOBr(hmqin-7-COOH) <sub>2</sub> ]. <i>Polyhedron</i> , <b>2009</b> , 28, 493-500	2.7	15
152	Novel oxorhenium complexes with 2-(2'-hydroxy-5'-methylphenyl)benzotriazolato ligand. X-ray studies, spectroscopic characterization and DFT calculations. <i>Polyhedron</i> , <b>2009</b> , 28, 1211-1220	2.7	15
151	Synthesis, spectroscopic characterisation, crystal and molecular structure of [ReOBr(quin-2-c) <sub>2</sub> ] and [ReOCl(quin-2-c) <sub>2</sub> ] complexes: DFT and TD-DFT calculations for [ReOBr(quin-2-c) <sub>2</sub> ]. <i>Polyhedron</i> , <b>2008</b> , 27, 187-195	2.7	15
150	Reactivity of [ReOX <sub>3</sub> (AsPh <sub>3</sub> ) <sub>2</sub> ] (X=Cl, Br) complexes towards gaseous nitric oxide.. <i>Polyhedron</i> , <b>2002</b> , 21, 2617-2629	2.7	15

- 149 In vitro antiproliferative effect of vanadium complexes bearing 8-hydroxyquinoline-based ligands - the substituent effect. *Dalton Transactions*, **2020**, 49, 6596-6606 4.3 15
- 148 Rhenium(I) complexes with phenanthrolines bearing electron-withdrawing Cl and electron-donating CH<sub>3</sub> substituents [Synthesis, photophysical, thermal, and electrochemical properties with electroluminescence ability. *RSC Advances*, **2016**, 6, 112908-112918 3.7 14
- 147 Synthesis, spectroscopic characterization, X-ray structure, and DFT calculations of [Cu(tppz)(SCN)<sub>2</sub>]. *Structural Chemistry*, **2013**, 24, 89-96 1.8 14
- 146 Synthesis, crystal structure, magnetic properties and EPR studies of Cu/Hg bimetallic thiocyanato-bridged coordination polymer. *Inorganica Chimica Acta*, **2009**, 362, 1369-1373 2.7 14
- 145 Synthesis, X-ray studies, spectroscopic characterization and DFT calculations of p-tolylimido rhenium(V) complexes bearing an imidazole-based ligand. *Polyhedron*, **2011**, 30, 142-153 2.7 14
- 144 Tricarbonyl rhenium complex of 2,2'-bis(4,5-dimethylimidazole) [Synthesis, spectroscopic characterization, X-ray structure and DFT calculations. *Inorganic Chemistry Communication*, **2010**, 13, 1317-1320 3.1 14
- 143 Reactivity of oxorhenium(V) complexes towards quinoline carboxylic acids. X-ray structure of [ReOCl<sub>2</sub>(hquin-7-COOH)(PPh<sub>3</sub>)] [DPPPh<sub>3</sub>, [ReOBr<sub>2</sub>(hquin-7-COOH)(PPh<sub>3</sub>)] and [ReOX<sub>2</sub>(hmquin-7-COOH)(PPh<sub>3</sub>)]. DFT and TD-DFT calculations for [ReOCl<sub>2</sub>(hquin-7-COOH)(PPh<sub>3</sub>)]. *Polyhedron*, **2008**, 27, 1121-1130 2.7 14
- 142 DFT calculation and X-ray structure of the [ReCl<sub>3</sub>(pzH)<sub>3</sub>] complex. *Polyhedron*, **2004**, 23, 2005-2011 2.7 14
- 141 Synthesis, spectroscopic investigation and X-ray structure of mononuclear and binuclear oxo complexes of rhenium(V) with pyrazolato ligands. *Transition Metal Chemistry*, **2003**, 28, 939-947 2.1 14
- 140 Photoluminescence enhancement of Re(I) carbonyl complexes bearing D-A and D- $\pi$ A ligands. *Dalton Transactions*, **2020**, 49, 4441-4453 4.3 13
- 139 Solid-state and solution photoluminescence of platinum(II) complexes with 4'-substituted terpyridine ligands [Structural, spectroscopic and electrochemical studies. *CrystEngComm*, **2016**, 18, 5528-5536 3.3 13
- 138 Pseudohalide manganese(II) complexes of 2-hydroxymethylbenzimidazole [Synthesis, spectroscopy, X-ray structure and magnetic properties. *Polyhedron*, **2014**, 81, 465-474 2.7 13
- 137 Synthesis, structure and luminescence properties of cadmium(II) complexes with 2,4,6-tri(2-pyridyl)-1,3,5-triazine. *Journal of Luminescence*, **2014**, 146, 64-75 3.8 13
- 136 Syntheses, structures, spectroscopic properties and DFT calculations of Re(V)-benzothiazole and 2-(2-aminophenyl)benzothiazole complexes. *Polyhedron*, **2012**, 40, 93-104 2.7 13
- 135 Oxorhenium complexes with the 8-quinolinolato ligand. X-ray structure and DFT calculations for [ReOX<sub>2</sub>(hqn)(AsPh<sub>3</sub>)] and [ReOX<sub>2</sub>(hqn)(PPh<sub>3</sub>)] complexes. *Polyhedron*, **2007**, 26, 2837-2844 2.7 13
- 134 Seven-coordinate rhenium(III) complexes of 1-(2-pyridylazo)-2-naphthol: X-ray studies, spectroscopic characterization and DFT calculations. *Polyhedron*, **2008**, 27, 3013-3019 2.7 13
- 133 A novel cationic cobalt(III) Schiff base complex: Preparation, crystal structure, Hirshfeld surface analysis, antimicrobial activities and molecular docking. *Microbial Pathogenesis*, **2017**, 113, 160-167 3.8 12
- 132 Exploration of Cd(II)/pseudohalide/di-2-pyridyl ketone chemistry [Rational synthesis, structural analysis and photoluminescence. *CrystEngComm*, **2016**, 18, 2650-2663 3.3 12

131	Heterobimetallic Mn(II)Hg(II) polynuclear complexes containing Hg(SCN) <sub>4</sub> unit. Synthesis, spectroscopic investigations, X-ray studies and magnetic properties. <i>Polyhedron</i> , <b>2011</b> , 30, 2499-2504	2.7	12
130	X-ray structure, spectroscopic characterisation and DFT calculations of the [Re(CO) <sub>3</sub> (dppt)Cl] complex. <i>Polyhedron</i> , <b>2007</b> , 26, 1590-1596	2.7	12
129	New oxorhenium complexes with 2-(2-hydroxyphenyl)-2-benzoxazolinato ligand. X-ray structure and DFT calculations for [ReOX <sub>2</sub> (hbo)(AsPh <sub>3</sub> )] and [ReOX <sub>2</sub> (hbo)(PPh <sub>3</sub> )] complexes. <i>Polyhedron</i> , <b>2007</b> , 26, 3455-3464	2.7	12
128	Reactivity of oxorhenium(V) complexes towards 8-hydroxyquinoline-2-carboxylic acid: X-ray structure of [ReOCl <sub>2</sub> (hquin-2-COOH)(AsPh <sub>3</sub> )] [MeCN] and [ReOCl <sub>2</sub> (hquin-2-COOH)(PPh <sub>3</sub> )] [MeCN] complexes. DFT and TDDFT calculations for [ReOCl <sub>2</sub> (hquin-2-COOH)(AsPh <sub>3</sub> )]. <i>Polyhedron</i> , <b>2008</b> , 27, 366-374	2.7	12
127	Oxorhenium(V) complexes with 2-(1-H-pyrazol-3-yl)phenolato ligand. X-ray structures of [ReOCl <sub>2</sub> (C <sub>9</sub> H <sub>7</sub> N <sub>2</sub> O)(PPh <sub>3</sub> )] [MeCN] and [ReOX <sub>2</sub> (C <sub>9</sub> H <sub>7</sub> N <sub>2</sub> O)(AsPh <sub>3</sub> )] [MeCN] (X=Cl, Br) complexes. DFT and TD-DFT calculations for [ReOCl <sub>2</sub> (C <sub>9</sub> H <sub>7</sub> N <sub>2</sub> O)(PPh <sub>3</sub> )]. <i>Polyhedron</i> , <b>2008</b> , 27, 923-932	2.7	12
126	Tricarbonyl rhenium complexes of bis(pyrazol-1-yl)methane and bis(3,5-dimethylpyrazol-1-yl)methane. Synthesis, spectroscopic characterization, X-ray structure and DFT calculations. <i>Polyhedron</i> , <b>2008</b> , 27, 1767-1778	2.7	12
125	Synthesis, crystal, molecular and electronic structure of the [ReOCl <sub>2</sub> (pzH) <sub>2</sub> (OAsPh <sub>3</sub> )](ReO <sub>4</sub> ) and [ReCl <sub>2</sub> (pzH) <sub>2</sub> ] <sub>2</sub> (EO)] complexes. <i>Polyhedron</i> , <b>2006</b> , 25, 1111-1124	2.7	12
124	The reactivity of mer-[ReOBr <sub>3</sub> (bipy)] towards gaseous nitric oxide. The crystal, molecular and electronic structure of mer-[ReOBr <sub>3</sub> (bipy)] and [ReBr <sub>4</sub> (bipy)]. <i>Polyhedron</i> , <b>2003</b> , 22, 2573-2580	2.7	12
123	Experimental and computational exploration of photophysical and electroluminescent properties of modified 2,2':6',2''-terpyridine, 2,6-di(thiazol-2-yl)pyridine and 2,6-di(pyrazin-2-yl)pyridine ligands and their Re(I) complexes. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4611	3.1	12
122	Synthesis, structures and catalytic activity of p-tolylimido rhenium(V) complexes incorporating quinoline-derived ligands. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 455, 683-695	2.7	11
121	Structure-dependent and environment-responsive optical properties of the trisheterocyclic systems with electron donating amino groups. <i>Dyes and Pigments</i> , <b>2019</b> , 166, 283-300	4.6	11
120	Novel oxorhenium(V) complexes of 8-hydroxyquinoline derivatives. Synthesis, spectroscopic characterization, X-ray crystal structures and DFT calculations. <i>Polyhedron</i> , <b>2013</b> , 51, 263-274	2.7	11
119	Synthesis, spectroscopic characterization, X-ray structure and DFT calculations of novel mononuclear Re(V) complex with imidazole-derived ligand. <i>Inorganic Chemistry Communication</i> , <b>2011</b> , 14, 1358-1361	3.1	11
118	New oxorhenium complexes with the 8-quinolinolato ligand: X-ray structure and DFT calculations for [ReOBr(hqn) <sub>2</sub> ]. <i>Polyhedron</i> , <b>2007</b> , 26, 2957-2963	2.7	11
117	A novel tricarbonyl rhenium complex of 2-benzoylpyridine. Synthesis, spectroscopic characterization, X-ray structure and DFT calculations. <i>Journal of Organometallic Chemistry</i> , <b>2007</b> , 692, 4161-4167	2.3	11
116	Structural and spectroscopic studies on rhenium(III) diphenyl(2-pyridyl)phosphine oxide complexes. <i>Polyhedron</i> , <b>2006</b> , 25, 2663-2672	2.7	11
115	Crystal, molecular and electronic structure of the [ReCl <sub>3</sub> (bipy)(PPh <sub>3</sub> )] complex. <i>Polyhedron</i> , <b>2005</b> , 24, 701-709	2.7	11
114	Synthesis of 5-azo-8-hydroxy-2-methylquinoline dyes and relevant spectroscopic, electrochemical and computational studies. <i>Dyes and Pigments</i> , <b>2017</b> , 142, 277-292	4.6	10

113	Platinum(II) coordination compounds with 4'-pyridyl functionalized 2,2':6',2''-terpyridines as an alternative to enhanced chemotherapy efficacy and reduced side-effects. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 201, 110809	4.2	10
112	Slow magnetic relaxation in hexacoordinated cobalt(II) field-induced single-ion magnets. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2637-2650	6.8	10
111	Novel Re(I) tricarbonyl coordination compound of 5-amino-1,10-phenanthroline [Synthesis, structural, photophysical and computational studies. <i>Journal of Luminescence</i> , <b>2016</b> , 171, 166-175	3.8	10
110	Influence of the pyrazine substituent on the structure and magnetic properties of dicyanamide-bridged cobalt(II) complexes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 17266-17280	4.3	10
109	Synthesis, magnetic behavior and structural characterization of novel one-dimensional copper(II) coordination polymer based on azide and oxalate bridges. <i>Inorganic Chemistry Communication</i> , <b>2014</b> , 43, 86-89	3.1	10
108	Oxorhenium(V) complexes with 1H-benzimidazole-2-carboxylic acid [Synthesis, structural characterization and catalytic application in epoxidation reactions. <i>Polyhedron</i> , <b>2014</b> , 69, 205-218	2.7	10
107	Novel rhenium(V) complexes of 8-hydroxyquinoline derivatives [Synthesis, spectroscopic characterization, X-ray structure and DFT calculations. <i>Polyhedron</i> , <b>2012</b> , 33, 388-395	2.7	10
106	Synthesis, structural and magnetic characterization of oxalate copper(II) complexes of phthalazine, 3-(2-pyridyl)-5,6-diphenyl-1,2,4-triazine and 6,7-dimethyl-2,3-di(2-pyridyl)quinoxaline. Supramolecular architectures stabilized by hydrogen bonding. <i>Polyhedron</i> , <b>2013</b> , 62, 158-168	2.7	10
105	Novel tricarbonyl rhenium complexes of 5,8-quinolinedione derivatives [Synthesis, spectroscopic characterisation, X-ray structure and DFT calculations. <i>Journal of Organometallic Chemistry</i> , <b>2011</b> , 696, 731-738	2.3	10
104	Two novel rhenium complexes derived from [ReO(OMe)Cl <sub>2</sub> (dpphen)] [Synthesis, crystal structure, spectroscopic and magnetic properties. <i>Polyhedron</i> , <b>2011</b> , 30, 354-363	2.7	10
103	X-ray studies, spectroscopic characterization and DFT calculations for Mn(II), Ni(II) and Cu(II) complexes with 2-benzoylpyridine. <i>Polyhedron</i> , <b>2011</b> , 30, 410-418	2.7	10
102	Synthesis, X-ray studies, spectroscopic investigation, and DFT calculations of [ReBr <sub>3</sub> (dppt)(OPPh <sub>3</sub> )]. <i>Structural Chemistry</i> , <b>2010</b> , 21, 761-769	1.8	10
101	Heterobimetallic Cu(II)Hg(II) polynuclear complexes containing Hg(SCN) <sub>4</sub> unit [Synthesis, spectroscopic investigations, X-ray studies and magnetic properties. <i>Polyhedron</i> , <b>2010</b> , 29, 2023-2032	2.7	10
100	A novel tricarbonyl rhenium complex of 2,6-bis(pyrazo-1-yl)-pyridine [X-ray structure, spectroscopic characterization and DFT calculations. <i>Polyhedron</i> , <b>2007</b> , 26, 2470-2476	2.7	10
99	Synthesis, crystal, molecular, and electronic structure of [ReOCl <sub>3</sub> (bpzm)] complex. <i>Polyhedron</i> , <b>2007</b> , 26, 2581-2588	2.7	10
98	Synthesis, spectroscopic characterization, X-ray structure and DFT calculations of five-coordinated chlorocopper(II) complex with bis(3,5-dimethylpyrazol-1-yl)methane. <i>Polyhedron</i> , <b>2008</b> , 27, 2513-2518	2.7	10
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93	Tuning Optical Properties of Re(I) Carbonyl Complexes by Modifying PushPull Ligands Structure. <i>Organometallics</i> , <b>2019</b> , 38, 4206-4223	3.8	9
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89	Novel p-tolylimido rhenium(V) complexes incorporating quinoline-2-carboxylate ion [Synthesis, X-ray studies, spectroscopic characterization and DFT calculations. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 370, 7-17	2.7	9
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86	Synthesis, crystal, molecular and electronic structure of the [Re(NO) <sub>0.87</sub> Br <sub>2.13</sub> (PPh <sub>3</sub> )(PPh <sub>2</sub> py-P,N)] complex and DFT calculations of [Re(NO)Br <sub>2</sub> (PPh <sub>3</sub> )(PPh <sub>2</sub> py-P,N)]. <i>Journal of Molecular Structure</i> , <b>2007</b> , 837, 92-100	3.4	9
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14	Novel oxorhenium complex of 2-(2-pyridyl)-4-methylthiazole-5-carboxylic acid [Synthesis, spectroscopic characterization, X-ray structure and DFT calculations. <i>Journal of Molecular Structure</i> , <b>2011</b> , 994, 256-262	3.4	2
13	Synthesis, spectroscopic investigation, structural characterization and DFT calculation of the complexes [ReX <sub>2</sub> (N <sub>2</sub> COPh)(4-PhPyr)(PPh <sub>3</sub> ) <sub>2</sub> ] (X=Cl,Br). <i>Polyhedron</i> , <b>2010</b> , 29, 2629-2636	2.7	2
12	Synthesis, characterization and molecular structure of Re(III) complexes containing 2-benzoylpyridine. <i>Inorganic Chemistry Communication</i> , <b>2010</b> , 13, 231-235	3.1	2
11	Effect of carbazole and pyrrolidine functionalization of phenanthroline ligand on ground- and excited-state properties of rhenium(I) complexes. Interplay between 3MLCT and 3IL/3ILCT. <i>Dyes and Pigments</i> , <b>2022</b> , 200, 110113	4.6	2
10	Non-traditional thermal behavior of Co(II) coordination networks showing slow magnetic relaxation. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 4356-4366	6.8	2
9	A Study of the Lack of Slow Magnetic Relaxation in Mononuclear Trigonal Bipyramidal Cobalt(II) Complexes. <i>ChemistrySelect</i> , <b>2021</b> , 6, 576-582	1.8	2
8	Rhenium(V)-oxo complexes [ReOX <sub>2</sub> (N?O)(EPh <sub>3</sub> )] (X=Cl, Br, I; E=P, As) [Synthesis, structure, spectroscopy, and catalytic properties. <i>Reviews in Inorganic Chemistry</i> , <b>2020</b> , 40, 27-47	2.4	1
7	Cyclometalated alkynylgold(III) complexes of 2-phenylpyridine and 2-(p-tolyl)-pyridine [Synthesis, photophysical and electroluminescence properties. <i>Journal of Luminescence</i> , <b>2018</b> , 198, 251-259	3.8	1
6	Synthesis and spectroscopic characterization of novel oxido-bridged dinuclear rhenium(V) complex of 2-(aminomethyl)benzimidazole. X-ray crystal structures of [Re <sub>2</sub> O <sub>3</sub> Cl <sub>4</sub> (ambi) <sub>2</sub> ][CH <sub>3</sub> COCH <sub>3</sub> and [Re <sub>2</sub> O <sub>3</sub> Cl <sub>4</sub> (ambi) <sub>2</sub> ][CH <sub>3</sub> CN. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 29, 101-105	3.1	1

5	Synthesis, spectroscopic characterization, X-ray structure and DFT calculations of [ReOCl <sub>2</sub> (8-Sqn)(OPPh <sub>3</sub> )]. <i>Structural Chemistry</i> , <b>2009</b> , 20, 911-918	1.8	1
4	The synthesis, spectroscopic investigation, crystal and molecular structure of the [ReBrCl <sub>2</sub> (SbPh <sub>3</sub> ) <sub>3</sub> ] complex. <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 859-863	3.1	1
3	Vanadium(IV) Complexes with Methyl-Substituted 8-Hydroxyquinolines: Catalytic Potential in the Oxidation of Hydrocarbons and Alcohols with Peroxides and Biological Activity. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
2	Ground- and excited-state properties of Re(I) carbonyl complexes [Effect of triimine ligand core and appended heteroaromatic groups. <i>Dyes and Pigments</i> , <b>2021</b> , 192, 109472	4.6	1
1	Optical properties of 2,6-di(pyrazin-2-yl)pyridines substituted with extended aryl groups. <i>Dyes and Pigments</i> , <b>2021</b> , 188, 109168	4.6	0