

Biprajit Sarkar

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#	Paper	IF	Citations
341	A four-coordinate cobalt(II) single-ion magnet with coercivity and a very high energy barrier. <i>Nature Communications</i> , 2016 , 7, 10467	17.4	295
340	Selective Catalytic Oxidation of C-H Bonds with Molecular Oxygen. <i>ChemCatChem</i> , 2013 , 5, 82-112	5.2	207
339	Separating innocence and non-innocence of ligands and metals in complexes [(L)Ru(acac) ₂] _n (<i>n</i> = -1, 0, +1; L = o-iminoquinone or o-iminothioquinone). <i>Inorganic Chemistry</i> , 2003 , 42, 6469-73	5.1	189
338	Mixed valency in ruthenium complexesCoordinative aspects. <i>Coordination Chemistry Reviews</i> , 2007 , 251, 584-594	23.2	143
337	Metal Complexes of Click-Derived Triazoles and Mesoionic Carbenes: Electron Transfer, Photochemistry, Magnetic Bistability, and Catalysis. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 554-584	1.3	118
336	New 1,2,3-triazole ligands through click reactions and their palladium and platinum complexes. <i>Dalton Transactions</i> , 2009 , 9291-7	4.3	118
335	Arene Ruthenium(II) and Iridium(III) Complexes with Click-Based Pyridyl-triazoles, Bis-triazoles, and Chelating Abnormal Carbenes: Applications in Catalytic Transfer Hydrogenation of Nitrobenzene. <i>Organometallics</i> , 2013 , 32, 7376-7385	3.8	114
334	The ligand field of the azido ligand: insights into bonding parameters and magnetic anisotropy in a Co(II)-azido complex. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1993-2005	16.4	108
333	Copper(I) Complexes of Normal and Abnormal Carbenes and Their Use as Catalysts for the Huisgen [3+2] Cycloaddition between Azides and Alkynes. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 3067-3075	2.3	104
332	Intramolecular valence and spin interaction in meso and rac diastereomers of a p-quinonoid-bridged diruthenium complex. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17575-83	16.4	101
331	Ruthenium complexes with vinyl, styryl, and vinylpyrenyl ligands: a case of non-innocence in organometallic chemistry. <i>Journal of the American Chemical Society</i> , 2008 , 130, 259-68	16.4	100
330	Divinylphenylene-Bridged Diruthenium Complexes Bearing Ru(CO)Cl(PiPr ₃) ₂ Entities. <i>Organometallics</i> , 2006 , 25, 3701-3712	3.8	98
329	Mixed-valent metals bridged by a radical ligand: fact or fiction based on structure-oxidation state correlations. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3532-42	16.4	97
328	Theoretical and experimental evidence for a new kind of spin-coupled singlet species: isomeric mixed-valent complexes bridged by a radical anion ligand. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5655-8	16.4	97
327	Three-spin system with a twist: a bis(semiquinonato)copper complex with a nonplanar configuration at the copper(II) center. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2103-6	16.4	96
326	Mit Klick zu neuen Liganden. <i>Nachrichten Aus Der Chemie</i> , 2011 , 59, 937-941	0.1	87
325	Sensing external spins with nitrogen-vacancy diamond. <i>New Journal of Physics</i> , 2011 , 13, 055004	2.9	85

324	2,5-Dioxido-1,4-benzoquinonediimine ($H_2L_2^-$), a hydrogen-bonding noninnocent bridging ligand related to aminated topaquinone: different oxidation state distributions in complexes $[(bpy)_2Ru](\mu-H_2L)_n$ ($n=0, +, 2+, 3+, 4+$) and $[(acac)_2Ru](\mu-H_2L)_m$ ($m=2-, -, 0, +, 2+$). <i>Chemistry - A European Journal</i> , 2005 , 11, 4901-11	4.8	83
323	Six-Membered N-Heterocyclic Carbenes with a 1,1'-Ferrocenediyi Backbone: Bulky Ligands with Strong Electron-Donor Capacity and Unusual Non-Innocent Character. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 4607-4612	2.3	78
322	Valence-state analysis through spectroelectrochemistry in a series of quinonoid-bridged diruthenium complexes $[(acac)_2Ru](\mu-L)Ru(acac)_2](n)$ ($n=+2, +1, 0, -1, -2$). <i>Chemistry - A European Journal</i> , 2008 , 14, 10816-28	4.8	78
321	Heterobimetallic complexes with redox-active mesoionic carbenes as metalloligands: electrochemical properties, electronic structures and catalysis. <i>Chemical Communications</i> , 2015 , 51, 10949-52	5.8	76
320	Functional metal complexes based on bridging η -aminoquinonoid ligands. <i>Coordination Chemistry Reviews</i> , 2015 , 293-294, 250-262	23.2	76
319	Charge Delocalization in a Heterobimetallic Ferrocene(Vinyl)Ru(CO)Cl(PiPr ₃) ₂ System Dedicated to Prof. Dr. Helmut Werner on the occasion of his 75th birthday. <i>Organometallics</i> , 2009 , 28, 4196-4209	3.8	75
318	Valence-state alternatives in diastereoisomeric complexes $[(acac)_2Ru](\mu-QL)Ru(acac)_2](n)$ ($QL_2^- = 1,4$ -dioxido-9,10-anthraquinone, $n = +2, +1, 0, -1, -2$). <i>Inorganic Chemistry</i> , 2008 , 47, 5204-11	5.1	75
317	Complex series $[Ru(tpy)(dpk)(X)]^{n+}$ ($tpy = 2,2':6',2''$ -terpyridine; $dpk = 2,2'$ -dipyridyl ketone; $X = Cl^-, CH_3CN, NO_2^-, NO^+, NO^*, NO^-$): substitution and electron transfer, structure, and spectroscopy. <i>Inorganic Chemistry</i> , 2005 , 44, 6092-9	5.1	73
316	Heteromultimetallic Complexes with Redox-Active Mesoionic Carbenes: Control of Donor Properties and Redox-Induced Catalysis. <i>Chemistry - A European Journal</i> , 2017 , 23, 576-585	4.8	71
315	Activating Azides and Alkynes for the Click Reaction with $[Cu(aNHC)2I]$ or $[Cu(aNHC)2]^+$ ($aNHC =$ Triazole-Derived Abnormal Carbenes): Structural Characterization and Catalytic Properties. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3956-3965	2.3	71
314	Are Cu(I)-mesoionic NHC carbenes associated with nitrogen additives the best Cu-carbene catalysts for the azide-alkyne click reaction in solution? A case study. <i>Tetrahedron Letters</i> , 2013 , 54, 1808-1812	2	68
313	Electronic structures of octahedral Ni(II) complexes with "click" derived triazole ligands: a combined structural, magnetometric, spectroscopic, and theoretical study. <i>Inorganic Chemistry</i> , 2013 , 52, 6880-92	5.1	68
312	Complex reduction chemistry of (abpy)PtCl ₂ , abpy = 2,2'-azobispyridine: formation of cyclic $[(\text{micro},\text{eta}2:\text{eta}1-\text{abpy})PtCl_2]^{2+}$ with a new coordination mode for abpy and a near-infrared ligand-to-ligand intervalence charge transfer absorption of the one-electron reduced state. <i>Inorganic Chemistry</i> , 2004 , 43, 5973-80	5.1	67
311	The Power of Ferrocene, Mesoionic Carbenes, and Gold: Redox-Switchable Catalysis. <i>Organometallics</i> , 2017 , 36, 2026-2035	3.8	64
310	Stabilizing the elusive ortho-quinone/copper(I) oxidation state combination through pi/pi interaction in an isolated complex. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15230-1	16.4	63
309	Catalytic oxygenation of sp ³ "C-H" bonds with Ir(III) complexes of chelating triazoles and mesoionic carbenes. <i>Dalton Transactions</i> , 2015 , 44, 686-93	4.3	62
308	Exploring the Scope of Pyridyl- and Picolyl-Functionalized 1,2,3-Triazol-5-ylidene in Bidentate Coordination to Ruthenium(II) Cymene Chloride Complexes. <i>Organometallics</i> , 2014 , 33, 2588-2598	3.8	60
307	Cyclometalated mono- and dinuclear Ir(III) complexes with "click"-derived triazoles and mesoionic carbenes. <i>Chemistry - A European Journal</i> , 2014 , 20, 9952-61	4.8	60

306	Paramagnetic palladacycles with Pd(III) centers are highly active catalysts for asymmetric aza-Claisen rearrangements. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4683-93	16.4	59
305	The semiquinone-ruthenium combination as a remarkably invariant feature in the redox and substitution series $[\text{Ru}(\text{Q})(\text{n})(\text{acac})(3-\text{n})](\text{m})$, n = 1-3; m = (-2), -1, 0, +1, (+2); Q = 4,6-Di-tert-butyl-N-phenyl-o-iminobenzoquinone. <i>Inorganic Chemistry</i> , 2009 , 48, 11853-64	5.1	59
304	1,4,7,10-tetraazacyclododecane metal complexes as potent promoters of phosphodiester hydrolysis under physiological conditions. <i>Inorganic Chemistry</i> , 2008 , 47, 4661-8	5.1	59
303	Self-assembly of heterobimetallic neutral macrocycles incorporating ferrocene spacer groups: spectroelectrochemical analysis of the double two-electron oxidation of a molecular rectangle. <i>Inorganic Chemistry</i> , 2005 , 44, 5798-804	5.1	58
302	Ru(II), Os(II), and Ir(III) complexes with chelating pyridyl-mesoionic carbene ligands: structural characterization and applications in transfer hydrogenation catalysis. <i>Chemistry - A European Journal</i> , 2015 , 21, 6756-64	4.8	57
301	Metal-induced reductive ring opening of 1,2,4,5-tetrazines: three resulting coordination alternatives, including the new non-innocent 1,2-diiminohydrazido(2-) bridging ligand system. <i>Inorganic Chemistry</i> , 2006 , 45, 1316-25	5.1	57
300	Electrocatalytic Dihydrogen Production with a Robust Mesoionic Pyridylcarbene Cobalt Catalyst. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13792-5	16.4	56
299	Cobalt complexes with "Click"-derived functional tripodal ligands: spin crossover and coordination ambivalence. <i>Inorganic Chemistry</i> , 2011 , 50, 6114-21	5.1	56
298	Experimental and Theoretical Investigations of the Existence of Cu(II), Cu(III), and Cu(IV) in Copper Corrolato Complexes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13769-74	16.4	55
297	Formation, reactivity, and photorelease of metal bound nitrosyl in $[\text{Ru}(\text{trpy})(\text{L})(\text{NO})](\text{n}+)$ (trpy = 2,2':6',2''-terpyridine, L = 2-phenylimidazo[4,5-f]1,10-phenanthroline). <i>Inorganic Chemistry</i> , 2008 , 47, 3218-27	5.1	55
296	Controlling metal-ligand-metal oxidation state combinations by ancillary ligand (L) variation in the redox systems $[\text{L}_2\text{Ru}(\mu\text{-boptz})\text{RuL}_2]\text{n}$, boptz = 3,6-bis(2-oxidophenyl)-1,2,4,5-tetrazine, and L = acetylacetone, 2,2'-bipyridine, or 2-phenylazopyridine. <i>Chemistry - A European Journal</i> , 2005 , 12, 489-98	4.8	55
295	Molecular and electronic structure of cyclo[10]thiophene in various oxidation states: polaron pair vs. bipolaron. <i>Chemical Science</i> , 2011 , 2, 781	9.4	54
294	An unusual dinuclear ruthenium(III) complex with a conjugated bridging ligand derived from cleavage of a 1,4-dihydro-1,2,4,5-tetrazine ring. Synthesis, structure, and UV-vis-NIR spectroelectrochemical characterization of a five-membered redox chain incorporating two mixed-valence states. <i>Inorganic Chemistry</i> , 2003 , 42, 4707-13	5.1	54
293	(Electro)catalytic C-C bond formation reaction with a redox-active cobalt complex. <i>Chemical Communications</i> , 2014 , 50, 11104-6	5.8	53
292	Synthesis of bis(phosphinoferrocenyl) copper complexes from zwitterionic quinonoid ligands and their structural and redox properties. <i>Inorganic Chemistry</i> , 2009 , 48, 2534-40	5.1	53
291	The Electrochemical Behaviour of Organonickel Complexes: Mono-, Di- and Trivalent Nickel. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 965-976	2.3	53
290	Isovalent and mixed-valent diruthenium complexes $[(\text{acac})_2\text{Ru}^{\text{II}}(-\text{bpytz})\text{Ru}^{\text{II}}(\text{acac})_2]$ and $[(\text{acac})_2\text{Ru}^{\text{II}}(-\text{bpytz})\text{Ru}^{\text{III}}(\text{acac})_2](\text{ClO}_4)$ (acac = acetylacetone and bpytz = 3,6-bis(3,5-dimethylpyrazolyl)-1,2,4,5-tetrazine): synthesis, spectroelectrochemical, and epr investigation. <i>Inorganic Chemistry</i> , 2004 , 43, 6108-13	5.1	53
289	Gauging Donor/Acceptor Properties and Redox Stability of Chelating Click-Derived Triazoles and Triazolylidenes: A Case Study with Rhenium(I) Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 5771-5783	5.1	52

288	Mixed valence aspects of diruthenium complexes $[(L)ClRu]_2(\mu\text{-tppz})]n^+$ incorporating 2-(2-pyridyl)azoles (L) as ancillary functions and 2,3,5,6-tetrakis(2-pyridyl)pyrazine (Tppz) as bis-tridentate bridging ligand. <i>Inorganic Chemistry</i> , 2004 , 43, 5128-33	5.1	52
287	Tuning spin-spin coupling in quinonoid-bridged dicopper(II) complexes through rational bridge variation. <i>Inorganic Chemistry</i> , 2013 , 52, 10332-9	5.1	51
286	Expanding the scope of Click-derived 1,2,3-triazole ligands: New palladium and platinum complexes. <i>Inorganica Chimica Acta</i> , 2011 , 374, 253-260	2.7	51
285	A series of metal complexes with the non-innocent N,N'-bis(pentafluorophenyl)-o-phenylenediamido ligand: twisted geometry for tuning the electronic structure. <i>Dalton Transactions</i> , 2008 , 1355-65	4.3	51
284	Sensitive oxidation state ambivalence in unsymmetrical three-center (M/Q/M) systems $[(acac)_2Ru(\mu\text{-Q})Ru(acac)_2](n)$, Q = 1,10-phenanthroline-5,6-dione or 1,10-phenanthroline-5,6-diimine ($n = +, 0, -, 2-$). <i>Inorganic Chemistry</i> , 2005 , 44, 3210-4	5.1	51
283	Establishing the NO oxidation state in complexes $[Cl(5)(NO)M](n^-)$, M = Ru or Ir, through experiments and DFT calculations. <i>Dalton Transactions</i> , 2004 , 1797-800	4.3	51
282	Reversible Intramolecular Single-Electron Oxidative Addition Involving a Hemilabile Noninnocent Ligand. <i>Organometallics</i> , 2011 , 30, 1414-1418	3.8	50
281	A five-center redox system: molecular coupling of two noninnocent imino-o-benzoquinonato-ruthenium functions through a pi acceptor bridge. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8895-902	16.4	50
280	Dinuclear Quinonoid-Bridged d8 Metal Complexes with Redox-Active Azobenzene Stoppers: Electrochemical Properties and Electrochromic Behavior. <i>Organometallics</i> , 2014 , 33, 4756-4765	3.8	49
279	Synthesis, structure and spectroelectrochemical properties of a dinuclear ruthenium complex exhibiting a strong electronic interaction across a 1,2,4,5-tetrazine bridging ligand. <i>Dalton Transactions RSC</i> , 2002 , 2097-2101		49
278	Introducing Potential Hemilability into Click-Triazoles and Triazolylidenes: Synthesis and Characterization of d6-Metal Complexes and Oxidation Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3164-3171	2.3	48
277	An odd-electron complex $[Ru(k)(NO(m))(Q(n))(terpy)]^{2+}$ with two prototypical non-innocent ligands. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4242-5	16.4	48
276	The triruthenium complex $[(acac)_2Ru(II)]_3(L)$ containing a conjugated diquinoxaline[2,3-a:2',3'-c]phenazine (L) bridge and acetylacetone (acac) as ancillary ligands. Synthesis, spectroelectrochemical and EPR investigation. <i>Dalton Transactions</i> , 2004 , 754-8	4.3	48
275	Long-range electronic coupling in various oxidation states of a C4-linked tris(beta-diketonato)ruthenium dimer. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 674-7	16.4	48
274	Nickel complexes with "click"-derived pyridyl-triazole ligands: weak intermolecular interactions and catalytic ethylene oligomerisation. <i>Dalton Transactions</i> , 2012 , 41, 12984-90	4.3	47
273	Stabilising a quinonoid-bridged dicopper(I) complex by use of a dppf (dppf = (diphenylphosphino)ferrocene) backbone. <i>Chemical Communications</i> , 2010 , 46, 1497-9	5.8	47
272	Redox-active multinuclear Pd(II) complexes with bis- and tris-mesoionic carbenes. <i>Dalton Transactions</i> , 2015 , 44, 46-9	4.3	46
271	A new coordination mode of the photometric reagent glyoxalbis(2-hydroxyanil) (H2gbha): bis-bidentate bridging by gbha2- in the redox series $[(\mu\text{-gbha})[Ru(acac)_2]_2]n$ ($n = -2, -1, 0, +1, +2$), including a radical-bridged diruthenium(III) and a Ru(III)/Ru(IV) intermediate. <i>Inorganic Chemistry</i> , 2005 , 44, 8715-22	5.1	46

270	Synthesis and mixed valence aspects of $[(L)ClRu]_2(Etppz)]n+$ incorporating 2,2'-dipyridylamine (L) as ancillary and 2,3,5,6-tetrakis(2-pyridyl)pyrazine (tppz) as bridging ligand. <i>Dalton Transactions</i> , 2003 , 3550-3555	4.3	46
269	The redox series $[M(bpy)_2(q)]n+$, M = Ru or Os, Q = 3,5-di-tert-butyl-n-phenyl-1,2-benzoquinonemonooimine. Isolation and a complete X and W band EPR study of the semiquinone states ($n = 1$). <i>Inorganic Chemistry</i> , 2005 , 44, 2843-7	5.1	46
268	Abnormal carbenes derived from the 1,5-cycloaddition product between azides and alkynes: structural characterization of Pd(II) complexes and their catalytic properties. <i>Dalton Transactions</i> , 2013 , 42, 11355-8	4.3	45
267	Redox properties of ruthenium nitrosyl porphyrin complexes with different axial ligation: structural, spectroelectrochemical (IR, UV-visible, and EPR), and theoretical studies. <i>Inorganic Chemistry</i> , 2008 , 47, 7106-13	5.1	45
266	Bridge dominated oxidation of a diruthenium 1,3-divinylphenylene complex. <i>Chemical Communications</i> , 2004 , 1900-1	5.8	45
265	Synthesis, mixed valence aspects and non-linear optical properties of the triruthenium complexes $[(bpy)_2RuL]_3(L)]3+$ and $[(phen)_2RuL]_3(L)]3+$ (bpy = 2,2'-bipyridine, phen = 1,10-phenanthroline and L = 1,3,5-triazine-2,4,6-trithiol). <i>Dalton Transactions</i> , 2003 , 2591-2596	4.3	45
264	Capped-tetrahedrally coordinated Fe(II) and Co(II) complexes using a "Click"-derived tripodal ligand: geometric and electronic structures. <i>Inorganic Chemistry</i> , 2012 , 51, 7592-7	5.1	44
263	Towards new organometallic wires: tetraruthenium complexes bridged by phenylenevinylene and vinylpyridine ligands. <i>Chemistry - A European Journal</i> , 2007 , 13, 10257-72	4.8	44
262	Highly Electrophilic, Catalytically Active and Redox-Responsive Cobaltoceniumyl and Ferrocenyl Triazolylidene Coinage Metal Complexes. <i>Chemistry - A European Journal</i> , 2018 , 24, 3742-3753	4.8	44
261	Ru, Ir and Os mesoionic carbene complexes: efficient catalysts for transfer hydrogenation of selected functionalities. <i>Dalton Transactions</i> , 2016 , 45, 15983-15993	4.3	43
260	Molecule-bridged mixed-valent intermediates involving the Ru I oxidation state. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14706-7	16.4	43
259	Theoretische und experimentelle Hinweise auf einen neuen Typ spinekoppelter Singulett-Spezies: isomere gemischvalente Komplexe mit verbrückendem Radikal anion-Liganden. <i>Angewandte Chemie</i> , 2005 , 117, 5800-5803	3.6	43
258	The metal-NO interaction in the redox systems $[Cl_5Os(NO)]n-$, n = 1-3, and cis- $[(bpy)_2ClOs(NO)]^{2+/+}$: calculations, structural, electrochemical, and spectroscopic results. <i>Inorganic Chemistry</i> , 2006 , 45, 4602-9	5.1	42
257	Silver corrole complexes: unusual oxidation states and near-IR-absorbing dyes. <i>Chemistry - A European Journal</i> , 2014 , 20, 15920-32	4.8	41
256	Redox-induced spin-state switching and mixed valency in quinonoid-bridged dicobalt complexes. <i>Chemistry - A European Journal</i> , 2014 , 20, 3475-86	4.8	41
255	Straightforward synthesis of substituted p-quinones: isolation of a key intermediate and use as a bridging ligand in a diruthenium complex. <i>Chemistry - A European Journal</i> , 2010 , 16, 2977-81	4.8	41
254	Singlet diradical complexes of chromium, molybdenum, and tungsten with azo anion radical ligands from $M(CO)_6$ precursors. <i>Inorganic Chemistry</i> , 2007 , 46, 8584-93	5.1	41
253	The redox series $[Ru(bpy)_2(L)]n$, n = +3, +2, +1, 0, with L = bipyridine, "click" derived pyridyl-triazole or bis-triazole: a combined structural, electrochemical, spectroelectrochemical and DFT investigation. <i>Dalton Transactions</i> , 2014 , 43, 4437-50	4.3	40

252	Synthesis and Electrochemical Behavior of a Zwitterion-Bridged Metalla-Cage. <i>Organometallics</i> , 2014 , 33, 5043-5045	3.8	40
251	Energy-level tailoring in a series of redox-rich quinonoid-bridged diruthenium complexes containing tris(2-pyridylmethyl)amine as a co-ligand. <i>Chemistry - A European Journal</i> , 2011 , 17, 5727-36	4.8	40
250	Ligand-Centered Oxidations and Electron Delocalization in a Tetranuclear Complex of a Tetradonor-Substituted Olefin. <i>Organometallics</i> , 2008 , 27, 3321-3324	3.8	40
249	First example of mu(3)-sulfido bridged mixed-valent triruthenium complex triangle Ru(III)(2)Ru(II)(O,O-acetylacetone)(3)(mu-O,O,gamma-C-acetylacetone)(3)(mu(3)-S) (1) incorporating simultaneous O,O- and gamma-C-bonded bridging acetylacetone units. Synthesis, crystal structure, and spectral and redox properties. <i>Inorganic Chemistry</i> , 2003 , 42, 1322-7	5.1	40
248	Mixed valency of a 5d element: The osmium example. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 1650-1659	3.8	39
247	Furan-decorated neutral Re(I)-based 2D rectangle and 3D trigonal prism. <i>Dalton Transactions</i> , 2011 , 40, 5433-5	4.3	39
246	3,6-bis(2'-pyridyl)pyridazine (L) and its deprotonated form (L - H+)- as ligands for {(acac)2Ru(n+)} or {(bpy)2Ru(m+)}: investigation of mixed valency in [{(acac)2Ru}2(mu-L - H+)]0 and [{(bpy)2Ru}2(mu-L - H+)]4+ by spectroelectrochemistry and EPR. <i>Dalton Transactions</i> , 2005 , 706-12	4.3	39
245	[{mu-L}[Rull(acac)2]2]n, n = 2+, +, 0, -, 2-, with L = 3,3',4,4'-tetraimino-3,3',4,4'-tetrahydrobiphenyl. EPR-supported assignment of NIR absorptions for the paramagnetic intermediates. <i>Dalton Transactions</i> , 2004 , 750-3	4.3	39
244	First structurally characterized mono- and dinuclear ruthenium complexes derived from zwitterionic quinonoid ligands. <i>Chemical Communications</i> , 2009 , 4387-9	5.8	38
243	Dreispinsystem mit neuer Wendung: ein Bis(semichinonato)kupfer-Komplex mit nichtplanarer Konfiguration am Kupfer(II)-Zentrum. <i>Angewandte Chemie</i> , 2005 , 117, 2140-2143	3.6	38
242	Di- and Trinuclear Iridium(III) Complexes with Poly-Mesoionic Carbenes Synthesized through Selective Base-Dependent Metalation. <i>Organometallics</i> , 2015 , 34, 3090-3096	3.8	37
241	One-pot synthesis of symmetric and asymmetric p-quinone ligands and unprecedented substituent induced reactivity in their dinuclear ruthenium complexes. <i>Inorganic Chemistry</i> , 2011 , 50, 1150-9	5.1	37
240	Triply cyclometalated trinuclear iridium(III) and trinuclear palladium(II) complexes with a tri-mesoionic carbene ligand. <i>Chemical Communications</i> , 2015 , 51, 15106-9	5.8	36
239	Electrochromic Platinum(II) Complexes Derived from Azobenzene and Zwitterionic Quinonoid Ligands: Electronic and Geometric Structures. <i>Organometallics</i> , 2013 , 32, 7366-7375	3.8	36
238	Oxidative perhydroxylation of [closo-B12H12]2- to the stable inorganic cluster redox system [B12(OH)12](2-/-): experiment and theory. <i>Chemistry - A European Journal</i> , 2010 , 16, 11242-5	4.8	36
237	Mono- and Digold(I) Complexes with Mesoionic Carbenes: Structural Characterization and Use in Catalytic Silver-Free Oxazoline Formation. <i>Organometallics</i> , 2016 , 35, 3828-3836	3.8	35
236	Spin crossover in Fe(II) and Co(II) complexes with the same click-derived tripodal ligand. <i>Inorganic Chemistry</i> , 2014 , 53, 8203-12	5.1	35
235	Donor-acceptor systems of Pt(II) and redox-induced reactivity towards small molecules. <i>Chemical Communications</i> , 2012 , 48, 2388-90	5.8	35

234	Oxidation state analysis of a four-component redox series [Os(pap)2(Q)]n involving two different non-innocent ligands on a redox-active transition metal. <i>Inorganic Chemistry</i> , 2011 , 50, 7090-8	5.1	35
233	Isomeric ruthenium terpyridine complexes [Ru(trpy)(L)Cl]n+ containing the unsymmetrically bidentate acceptor L=3-amino-6-(3,5-dimethylpyrazol-1-yl)-1,2,4,5-tetrazine. Synthesis, structures, electrochemistry, spectroscopy and DFT calculations. <i>Dalton Transactions</i> , 2005 , 1188-94	4.3	35
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230	Influencing the coordination mode of tbta (tbta = tris[(1-benzyl-1H-1,2,3-triazol-4-yl)methyl]amine) in dicobalt complexes through changes in metal oxidation states. <i>Dalton Transactions</i> , 2013 , 42, 6944-52 ^{4.3}	4.3	34
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226	Electron delocalization in mixed-valence butadienediyI-bridged diruthenium complexes. <i>Journal of Solid State Electrochemistry</i> , 2005 , 9, 738-749	2.6	34
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217	A Divalent Pentastable Redox-Switchable Donor-Acceptor Rotaxane. <i>Chemistry - A European Journal</i> , 2017 , 23, 2960-2967	4.8	30

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