

Elena S Shubina

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189
papers

4,043
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h-index

51
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ext. citations

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avg, IF

5.25
L-index

#	Paper	IF	Citations
189	New types of hydrogen bonding in organometallic chemistry. <i>Coordination Chemistry Reviews</i> , 2002 , 231, 165-181	23.2	242
188	Diverse world of unconventional hydrogen bonds. <i>Accounts of Chemical Research</i> , 2005 , 38, 624-31	24.3	222
187	Spectroscopic Evidence for Intermolecular M-H...H-OR Hydrogen Bonding: Interaction of $\text{WH}(\text{CO})_2(\text{NO})\text{L}_2$ Hydrides with Acidic Alcohols. <i>Journal of the American Chemical Society</i> , 1996 , 118, 1105-1112	16.4	168
186	Hydrogen and Dihydrogen Bonds in the Reactions of Metal Hydrides. <i>Chemical Reviews</i> , 2016 , 116, 8545-871	67.1	147
185	Ring-Opening Metathesis Polymerization (ROMP) in Ionic Liquids: Scope and Limitations. <i>Macromolecules</i> , 2006 , 39, 7821-7830	5.5	80
184	Unusual Hydrogen Bonds with a Hydride Atom in Boron Hydrides Acting as Proton Acceptor. Spectroscopic and Theoretical Studies. <i>Inorganic Chemistry</i> , 1998 , 37, 3013-3017	5.1	69
183	Influence of media and homoconjugate pairing on transition metal hydride protonation. An IR and DFT study on proton transfer to $\text{CpRuH}(\text{CO})(\text{PCy}_3)$. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7715-25	16.4	68
182	Intermolecular Hydrogen Bonding of $\text{ReH}_2(\text{CO})(\text{NO})\text{L}_2$ Hydrides with Perfluoro-tert-butyl Alcohol. Competition between M-H...H-OR and M-NO...H-OR Interactions. <i>Inorganic Chemistry</i> , 1997 , 36, 1522-1525	5.1	65
181	Novel types of hydrogen bonding with transition metal complexes and hydrides. <i>Journal of Organometallic Chemistry</i> , 1997 , 536-537, 17-29	2.3	60
180	Cage-like copper(II) silsesquioxanes: transmetalation reactions and structural, quantum chemical, and catalytic studies. <i>Chemistry - A European Journal</i> , 2015 , 21, 8758-70	4.8	59
179	Solvent-controlled synthesis of tetranuclear cage-like copper(II) silsesquioxanes. Remarkable features of the cage structures and their high catalytic activity in oxidation with peroxides. <i>Dalton Transactions</i> , 2014 , 43, 872-82	4.3	59
178	Experimental and computational studies of hydrogen bonding and proton transfer to $[\text{Cp}^*\text{Fe}(\text{dppe})\text{H}]$. <i>Chemistry - A European Journal</i> , 2005 , 11, 873-88	4.8	57
177	Kinetics and mechanism of the proton transfer to $\text{CpFe}(\text{dppe})\text{H}$: absence of a direct protonation at the metal site. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11106-15	16.4	52
176	Binuclear Cage-Like Copper(II) Silsesquioxane (Cooling Tower) Its High Catalytic Activity in the Oxidation of Benzene and Alcohols. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5240-5246	2.3	50
175	Dihydrogen Bonding, Proton Transfer and Beyond: What We Can Learn From Kinetics and Thermodynamics. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3555-3565	2.3	50
174	In-depth NMR and IR study of the proton transfer equilibrium between $[\{(\text{MeC}(\text{CH}_2\text{PPh}_2)_3)\text{Ru}(\text{CO})\text{H}_2\}]$ and hexafluoroisopropanol. <i>Canadian Journal of Chemistry</i> , 2001 , 79, 479-489	9.8	50
173	A heterometallic (Fe_6Na_8) cage-like silsesquioxane: synthesis, structure, spin glass behavior and high catalytic activity. <i>RSC Advances</i> , 2016 , 6, 48165-48180	3.7	48

172	First investigation of non-classical dihydrogen bonding between an early transition-metal hydride and alcohols: IR, NMR, and DFT approach. <i>Chemistry - A European Journal</i> , 2004 , 10, 661-71	4.8	47
171	Proton-transfer and H ₂ -elimination reactions of main-group hydrides EH ₄ - (E = B, Al, Ga) with alcohols. <i>Inorganic Chemistry</i> , 2006 , 45, 3086-96	5.1	45
170	Low-temperature IR and NMR studies of the interaction of group 8 metal dihydrides with alcohols. <i>Chemistry - A European Journal</i> , 2003 , 9, 2219-28	4.8	45
169	Crown compounds for anions: sandwich and half-sandwich complexes of cyclic trimetric perfluoro-o-phenylenemercury with polyhedral closo-[B ₁₀ H ₁₀] ²⁻ and closo-[B ₁₂ H ₁₂] ²⁻ anions. <i>Chemistry - A European Journal</i> , 2001 , 7, 3783-90	4.8	45
168	Unusual Tri-, Hexa-, and Nonanuclear Cu(II) Cage Methylsilsesquioxanes: Synthesis, Structures, and Catalytic Activity in Oxidations with Peroxides. <i>Inorganic Chemistry</i> , 2017 , 56, 4093-4103	5.1	44
167	Acid-base interaction between transition-metal hydrides: dihydrogen bonding and dihydrogen evolution. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1367-70	16.4	42
166	Unusual penta- and hexanuclear Ni(II)-based silsesquioxane polynuclear complexes. <i>Dalton Transactions</i> , 2016 , 45, 7320-7	4.3	39
165	Structural and energetic aspects of hydrogen bonding and proton transfer to ReH ₂ (CO)(NO)(PR ₃) ₂ and ReHCl(CO)(NO)(PMe ₃) ₂ by IR and X-ray studies. <i>Journal of Organometallic Chemistry</i> , 2000 , 610, 58-70 ³		39
164	In situ IR and NMR study of the interactions between proton donors and the Re(I) hydride complex [(MeC(CH ₂ PPh ₂) ₃)Re(CO) ₂ H]. ReH ₂ bonding and proton-transfer pathways. <i>Inorganica Chimica Acta</i> , 1998 , 280, 302-307	2.7	34
163	Ligand-metal cooperating PC(sp ³)P pincer complexes as catalysts in olefin hydroformylation. <i>Chemistry - A European Journal</i> , 2013 , 19, 16906-9	4.8	33
162	Neutral transition metal hydrides as acids in hydrogen bonding and proton transfer: media polarity and specific solvation effects. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11234-46	16.4	33
161	First cage-like pentanuclear Co(II)-silsesquioxane. <i>Dalton Transactions</i> , 2016 , 45, 13663-6	4.3	33
160	High Catalytic Activity of Heterometallic (Fe ₆ Na ₇ and Fe ₆ Na ₆) Cage Silsesquioxanes in Oxidations with Peroxides. <i>Catalysts</i> , 2017 , 7, 101	4	32
159	Heterometallic Na ₆ Co ₃ Phenylsilsesquioxane Exhibiting Slow Dynamic Behavior in its Magnetization. <i>Chemistry - A European Journal</i> , 2015 , 21, 18563-5	4.8	32
158	Peculiarities of the complexation of copper and silver adducts of a 3,5-bis(trifluoromethyl)pyrazolate ligand with organoiron compounds. <i>Inorganic Chemistry</i> , 2011 , 50, 3325-31	5.1	32
157	Hydrogen Bonding and Proton Transfer to the Trihydride Complex [Cp*MoH ₃ (dppe)]: IR, NMR, and Theoretical Investigations. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 2192-2209	2.3	32
156	Macrocyclic copper(I) and silver(I) pyrazolates: Principles of supramolecular assemblies with Lewis bases. <i>Inorganica Chimica Acta</i> , 2018 , 470, 22-35	2.7	31
155	Cage-like Fe,Na-Germesquioxanes: Structure, Magnetism, and Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15360-15363	16.4	31

154	Conformational Flexibility of Dibenzobarrelene-Based PC(sp ³)P Pincer Iridium Hydride Complexes: The Role of Hemilabile Functional Groups and External Coordinating Solvents. <i>Organometallics</i> , 2014 , 33, 5964-5973	3.8	31
153	Diminishing π -Stabilization of an Unsaturated Metal Center: Hydrogen Bonding to OsHCl(CO)(PtBu ₂ Me) ₂ . <i>Journal of the American Chemical Society</i> , 1998 , 120, 12553-12563	16.4	31
152	Specific and non-specific influence of the environment on dihydrogen bonding and proton transfer to [RuH ₂ {P(CH ₂ CH ₂ PPh ₂) ₃ }. <i>Journal of Molecular Structure</i> , 2007 , 844-845, 115-131	3.4	30
151	Dihydrogen to dihydride isomerization mechanism in [(C ₅ Me ₅)FeH ₂ (Ph ₂ PCH ₂ CH ₂ PPh ₂) ₂] ⁺ through the experimental and theoretical analysis of kinetic isotope effects. <i>Inorganic Chemistry</i> , 2006 , 45, 10248-10252	5.1	30
150	Mechanism of Dimethylamine-Borane Dehydrogenation Catalyzed by an Iridium(III) PCP-Pincer Complex. <i>ACS Catalysis</i> , 2017 , 7, 2325-2333	13.1	28
149	SiCuN Cage Hexacoppersilsesquioxanes Containing N Ligands: Synthesis, Structure, and High Catalytic Activity in Peroxide Oxidations. <i>Inorganic Chemistry</i> , 2017 , 56, 15026-15040	5.1	28
148	Dimerization mechanism of bis(triphenylphosphine)copper(I) tetrahydroborate: proton transfer via a dihydrogen bond. <i>Inorganic Chemistry</i> , 2012 , 51, 6486-97	5.1	28
147	Solvent-dependent dihydrogen/dihydride stability for [Mo(CO)(Cp*)H ₂ (PMe ₃) ₂] ⁺ [BF ₄] ⁻ determined by multiple solvent...anion...cation non-covalent interactions. <i>Chemistry - A European Journal</i> , 2010 , 16, 189-201	4.8	28
146	Effect of the nature of the metal atom on hydrogen bonding and proton transfer to [Cp*MH ₃ (dppe)]: tungsten versus molybdenum. <i>Chemistry - A European Journal</i> , 2008 , 14, 9921-34	4.8	28
145	High-Cluster (Cu) Cage Silsesquioxanes: Synthesis, Structure, and Catalytic Activity. <i>Inorganic Chemistry</i> , 2018 , 57, 11524-11529	5.1	28
144	Ionic Complexes of Tetra- and Nonanuclear Cage Copper(II) Phenylsilsesquioxanes: Synthesis and High Activity in Oxidative Catalysis. <i>ChemCatChem</i> , 2017 , 9, 4437-4447	5.2	27
143	Novel Cage-Like Hexanuclear Nickel(II) Silsesquioxane. Synthesis, Structure, and Catalytic Activity in Oxidations with Peroxides. <i>Molecules</i> , 2016 , 21,	4.8	27
142	Ammonia Borane Dehydrogenation Catalyzed by (EP)Co(H) [EP = E(CHCHPPh); E = N, P] and H Evolution from Their Interaction with NH Acids. <i>Inorganic Chemistry</i> , 2017 , 56, 4296-4307	5.1	26
141	Mild and Regioselective Hydroxylation of Methyl Group in Neocuproine: Approach to an N,O-Ligated Cu ₆ Cage Phenylsilsesquioxane. <i>Organometallics</i> , 2018 , 37, 168-171	3.8	26
140	Chemistry of boron hydrides orchestrated by dihydrogen bonds. <i>Journal of Organometallic Chemistry</i> , 2013 , 747, 30-42	2.3	26
139	Molecular conductors with a 8-hydroxy cobalt bis(dicarbollide) anion. <i>Inorganic Chemistry</i> , 2011 , 50, 444-50	5.0	26
138	Dihydrogen Bonded Complexes and Proton Transfer to Hydride Ligands by Spectral (IR, NMR) Studies 2001 , 391-418		26
137	Family of Polynuclear Nickel Cagelike Phenylsilsesquioxanes; Features of Periodic Networks and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 12751-12763	5.1	25

136	Intermolecular hydrogen bonds BH \cdots HX in solution. <i>Mendeleev Communications</i> , 1997 , 7, 83-84	1.9	25
135	Amine Boranes Dehydrogenation Mediated by an Unsymmetrical Iridium Pincer Hydride: (PCN) vs (PCP) Improved Catalytic Performance. <i>Organometallics</i> , 2018 , 37, 3142-3153	3.8	25
134	Investigation of the [Cp*Mo(PMe ₃) ₃ H] ⁿ⁺ (n = 0, 1) redox pair: dynamic processes on very different time scales. <i>Inorganic Chemistry</i> , 2009 , 48, 209-20	5.1	24
133	Tuning linkage isomerism and magnetic properties of bi- and tri-metallic cage silsesquioxanes by cation and solvent effects. <i>Dalton Transactions</i> , 2017 , 46, 12935-12949	4.3	23
132	Supramolecular Design of the Trinuclear Silver(I) and Copper(I) Metal Pyrazolates Complexes with Ruthenium Sandwich Compounds via Intermolecular Metal \cdots Interactions. <i>Crystal Growth and Design</i> , 2017 , 17, 6770-6779	3.5	23
131	Solvent Control in the Protonation of [Cp*Mo(dppe)H ₃] by CF ₃ COOH. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2813-2826	2.3	23
130	Luminescent Complexes of the Trinuclear Silver(I) and Copper(I) Pyrazolates Supported with Bis(diphenylphosphino)methane. <i>Inorganic Chemistry</i> , 2019 , 58, 8645-8656	5.1	22
129	Synthesis, structures and luminescence of multinuclear silver(i) pyrazolate adducts with 1,10-phenanthroline derivatives. <i>Dalton Transactions</i> , 2019 , 48, 8410-8417	4.3	22
128	Dihydrogen bond intermediated alcoholysis of dimethylamine-borane in nonaqueous media. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 3853-68	2.8	22
127	Complexes of Trinuclear Macrocyclic Copper(I) and Silver(I) 3,5-Bis(Trifluoromethyl)Pyrazolates with Ketones. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5554-5561	2.3	22
126	Proton-transfer and H ₂ -elimination reactions of trimethylamine alane: role of dihydrogen bonding and Lewis acid-base interactions. <i>Inorganic Chemistry</i> , 2009 , 48, 3667-78	5.1	22
125	Family of penta- and hexanuclear metallasilsesquioxanes: Synthesis, structure and catalytic properties in oxidations. <i>Journal of Organometallic Chemistry</i> , 2018 , 867, 133-141	2.3	21
124	Dihydrogen bonding in complex (PP ₃)RuH(η (1)-BH ₄) featuring two proton-accepting hydride sites: experimental and theoretical studies. <i>Inorganic Chemistry</i> , 2014 , 53, 1080-90	5.1	21
123	Directionality of dihydrogen bonds: the role of transition metal atoms. <i>ChemPhysChem</i> , 2012 , 13, 2677-83	3.2	21
122	Problems of unusual hydrogen bonds between proton donors and transition metal hydrides and borohydrides. <i>Russian Chemical Bulletin</i> , 1998 , 47, 817-822	1.7	21
121	Intermolecular hydrogen bonding between neutral transition metal hydrides (η (5)-C ₅ H ₅)M(CO) ₃ H (M = Mo, W) and bases. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3486-7	16.4	21
120	How can the metal affect the proton transfer to the dihydrides [P(CH ₂ CH ₂ PPh ₂) ₃]MH ₂ (M = Fe, Ru, Os)? A low-temperature electronic spectroscopy study. <i>Russian Chemical Bulletin</i> , 2003 , 52, 1204-1206	1.7	21
119	Heptanuclear FeCu-Phenylgermesquioxane containing 2,2'-Bipyridine: Synthesis, Structure, and Catalytic Activity in Oxidation of C-H Compounds. <i>Inorganic Chemistry</i> , 2018 , 57, 528-534	5.1	21

118	Heptanuclear Cage Cull-Silsesquioxanes: Synthesis, Structure and Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2505-2511	2.3	20
117	Remarkable Structural and Electronic Features of the Complex Formed by Trimeric Copper Pyrazolate with Pentaphosphaferrocene. <i>Chemistry - A European Journal</i> , 2015 , 21, 13176-80	4.8	20
116	Synthesis, Characterization, and Interconversion of the Rhenium Polyhydrides [ReH ₃ ([4-NP ₃)] and [ReH ₄ ([4-NP ₃)] ⁺ {NP ₃ = tris[2-(diphenylphosphanyl)ethyl]amine}. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 1530-1539	2.3	20
115	Role of basic sites of substituted ferrocenes in interaction with the trinuclear 3,5-bis(trifluoromethyl)pyrazolates: thermodynamics and structure of complexes. <i>RSC Advances</i> , 2014 , 4, 8350	3.7	19
114	Hydrogen bonding and proton transfer to ruthenium hydride complex CpRuH(dppe): metal and hydride dichotomy. <i>Inorganic Chemistry</i> , 2013 , 52, 1787-97	5.1	19
113	Synthesis, characterization, protonation studies and X-ray crystal structure of ReH ₅ (PPh ₃) ₂ (PTA) (PTA=1,3,5-triaza-7-phosphaadamantane). <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 629-637	2.3	19
112	Interaction of a trinuclear copper(i) pyrazolate with alkynes and carbon-carbon triple bond activation. <i>Chemical Communications</i> , 2019 , 55, 290-293	5.8	18
111	Silicon and Germanium-Based Sesquioxanes as Versatile Building Blocks for Cage Metallacomplexes. A Review. <i>Journal of Cluster Science</i> , 2019 , 30, 1283-1316	3	17
110	Tridecanuclear Cull ₁₁ Na ₂ Cagelike Silsesquioxanes. <i>Crystal Growth and Design</i> , 2018 , 18, 5377-5384	3.5	17
109	Mechanistic studies on the interaction of [(κ ³ -P,P,P-NP ₃)IrH ₃] [NP ₃ = N(CH ₂ CH ₂ PPh ₂) ₃] with HBF ₄ and fluorinated alcohols by combined NMR, IR, and DFT techniques. <i>Inorganic Chemistry</i> , 2010 , 49, 4343-54	5.1	17
108	Hydrogen bonding to carbonyl hydride complex Cp*Mo(PMe(3))(2)(CO)H and its role in proton transfer. <i>Dalton Transactions</i> , 2010 , 39, 2008-15	4.3	17
107	Modeling the platinum-catalyzed intermolecular hydroamination of ethylene: The nucleophilic addition of HNEt ₂ to coordinated ethylene in trans-PtBr ₂ (C ₂ H ₄)(HNEt ₂). <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 1174-1183	2.3	17
106	Hexacoppergermsesquioxanes as complexes with N-ligands: Synthesis, structure and catalytic properties. <i>Journal of Organometallic Chemistry</i> , 2019 , 884, 17-28	2.3	16
105	Palanquin-Like Cu ₄ Na ₄ Silsesquioxane Synthesis (via Oxidation of 1,1-bis(Diphenylphosphino)methane), Structure and Catalytic Activity in Alkane or Alcohol Oxidation with Peroxides. <i>Catalysts</i> , 2019 , 9, 154	4	16
104	Hydrogen/deuterium exchange in hydride chemistry: Dihydrogen bonded complexes as key intermediates. <i>Computational and Theoretical Chemistry</i> , 2012 , 998, 129-140	2	16
103	Interaction of polyhedral boron hydride anions [B ₁₀ H ₁₀] ²⁻ and [B ₁₂ H ₁₂] ²⁻ with cyclic copper and silver 3,5-bis(trifluoromethyl)pyrazolate complexes. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1704-1707 ¹⁶	2.3	16
102	Proton transfer and hydrogen bonding with transition metal atoms and hydride hydrogen by IR and NMR studies. <i>Zeitschrift Fur Elektrochemie Und Elektrochemie</i> , 1998 , 102, 359-363		16
101	Magnetic cage-like metallasilsesquioxanes. <i>Coordination Chemistry Reviews</i> , 2019 , 398, 213015	23.2	15

100	The Role of Weak Interactions in Strong Intermolecular M π Cl Complexes of Coinage Metal Pyrazolates: Spectroscopic and DFT Study. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 7030-6	2.8	15
99	Complexation of trimeric copper(i) and silver(i) 3,5-bis(trifluoromethyl)pyrazolates with amine-borane. <i>Russian Chemical Bulletin</i> , 2013 , 62, 1829-1834	1.7	15
98	On the peculiarities of hydrogen bonding and proton transfer equilibria for organic vs organometallic bases. <i>Arkivoc</i> , 2008 , 2008, 120-138	0.9	15
97	Hydride donating abilities of the tetracoordinated boron hydrides. <i>Journal of Organometallic Chemistry</i> , 2018 , 865, 247-256	2.3	14
96	Z-H Bond Activation in (Di)hydrogen Bonding as a Way to Proton/Hydride Transfer and H Evolution. <i>Chemistry - A European Journal</i> , 2018 , 24, 1464-1470	4.8	14
95	Intermolecular HH vibrations of dihydrogen bonded complexes H π EH(-)...HOR in the low-frequency region: theory and IR spectra. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 8198-204	2.8	14
94	Competition between non-classical and classical hydrogen bonded sites in [BH π CN] π Spectral, energetic, structural and electronic features. <i>Journal of Molecular Structure</i> , 2006 , 790, 114-121	3.4	14
93	Dihydrogen Bonding and Proton Transfer from MH and OH Acids to Group 10 Metal Hydrides [(tBuPCP)MH] [tBuPCP = β -2,6-(tBu π PCH π) π C π H π ; M = Ni, Pd]. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1415-1424	2.3	14
92	Two pathways of proton transfer reaction to (triphos)Cu(π 1)-BH π via a dihydrogen bond [triphos = 1,1,1-tris(diphenylphosphinomethyl)ethane]. <i>Dalton Transactions</i> , 2016 , 45, 9127-35	4.3	14
91	Synthesis, structures and photophysical properties of phosphorus-containing silver 3,5-bis(trifluoromethyl)pyrazolates. <i>Mendeleev Communications</i> , 2018 , 28, 387-389	1.9	14
90	Amido Ca(ii) complexes supported by Schiff base ligands for catalytic cross-dehydrogenative coupling of amines with silanes. <i>Dalton Transactions</i> , 2018 , 47, 12570-12581	4.3	14
89	High-Nuclearity (Cu π -Based) Cage Silsesquioxanes: Synthesis and Structural Study. <i>Crystal Growth and Design</i> , 2018 , 18, 2452-2457	3.5	13
88	Protonation of Cp*M(dppe)H Hydrides: Peculiarities of the Osmium Congener. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 1489-1500	2.3	13
87	Hydrogen bonding and proton transfer involving the trihydride complexes Cp*M(dppe)H π (M = Mo, W) and fluorinated alcohols: the competitive role of the hydride ligands and metal. <i>Russian Chemical Bulletin</i> , 2003 , 52, 2679-2682	1.7	13
86	Dinuclear CuI and AgI Pyrazolates Supported with Tertiary Phosphines: Synthesis, Structures, and Photophysical Properties. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 821-827	2.3	13
85	A new "bicycle helmet"-like copper(ii),sodiumphenylsilsesquioxane. Synthesis, structure and catalytic activity. <i>Dalton Transactions</i> , 2018 , 47, 15666-15669	4.3	13
84	IR spectroscopy of hydrides and its application to hydrogen bonding and proton transfer studies. <i>Spectroscopic Properties of Inorganic and Organometallic Compounds</i> , 2012 , 1-28		12
83	Synthesis and Protonation Studies of Cp*Os(dppe)H: Kinetic versus Thermodynamic Control. <i>Organometallics</i> , 2008 , 27, 3307-3311	3.8	12

82	New Luminescent Tetranuclear Lanthanide-Based Silsesquioxane Cage-Like Architectures. <i>Chemistry - A European Journal</i> , 2020 , 26, 16594-16598	4.8	12
81	Competition between the Hydride Ligands of Two Types in Proton Transfer to $[(\beta\text{-P-CH}_3\text{C}(\text{CH}_2\text{CH}_2\text{PPh}_2)_3)\text{RuH}(\text{D-BH}_4)]$. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4673-4682 ^{2,3}	2.3	11
80	$\text{Cu}_{42}\text{Ge}_{24}\text{Na}_{44}$ Giant Trimetallic Sesquioxane Cage: Synthesis, Structure, and Catalytic Activity. <i>Catalysts</i> , 2018 , 8, 484	4	11
79	Coordination Affinity of Cu(II)-Based Silsesquioxanes toward N,N-Ligands and Associated Skeletal Rearrangements: Cage and Ionic Products Exhibiting a High Catalytic Activity in Oxidation Reactions. <i>Inorganic Chemistry</i> , 2020 , 59, 4536-4545	5.1	10
78	Binuclear Copper(I) Borohydride Complex Containing Bridging Bis(diphenylphosphino) Methane Ligands: Polymorphic Structures of $[(\beta\text{-2-dppm})_2\text{Cu}_2(\text{D-BH}_4)_2]$ Dichloromethane Solvate. <i>Crystals</i> , 2017 , 7, 318	2.3	10
77	Coordination chemistry of diphenylphosphinoferrrocenylthioethers on cyclooctadiene and norbornadiene rhodium(I) platforms. <i>Dalton Transactions</i> , 2012 , 41, 11849-59	4.3	10
76	Regioselective hydrogen-deuterium exchange in the $[\text{B}_{10}\text{H}_{10}]_2^{2-}$ anion. Syntheses of $[\text{1,10-B}_{10}\text{H}_8\text{D}_2]_2^{2-}$ and $[\text{2,3,4,5,6,7,8,9-B}_{10}\text{H}_2\text{D}_8]_2^{2-}$. <i>Russian Chemical Bulletin</i> , 2001 , 50, 1115-1116	1.7	10
75	Mechanistic study in azide-alkyne cycloaddition (CuAAC) catalyzed by bifunctional trinuclear copper(I) pyrazolate complex: Shift in rate-determining step. <i>Journal of Catalysis</i> , 2020 , 390, 37-45	7.3	10
74	New NiNa-phenylgermsesquioxane architecture: synthesis, structure and slow dynamic behaviour. <i>Dalton Transactions</i> , 2018 , 47, 6893-6897	4.3	9
73	New Cu_4Na_4 - and Cu_5 -Based Phenylsilsesquioxanes. Synthesis via Complexation with 1,10-Phenanthroline, Structures and High Catalytic Activity in Alkane Oxidations with Peroxides in Acetonitrile. <i>Catalysts</i> , 2019 , 9, 701	4	9
72	Kinetics of protonation of tungsten hydrides $\text{WH}(\text{CO})_2(\text{NO})\text{L}_2$ by weak OH-acids. <i>Russian Chemical Bulletin</i> , 2007 , 56, 870-874	1.7	9
71	Dichotomous Si-H Bond Activation by Alkoxide and Alcohol in Base-Catalyzed Dehydrocoupling of Silanes. <i>Inorganic Chemistry</i> , 2020 , 59, 12240-12251	5.1	9
70	Ruthenium p-Cymene Iminophosphonamide Complexes: Activation under Basic Conditions and Transfer Hydrogenation Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2285-2299	2.3	8
69	Activation of a (cyclooctadiene) rhodium(I) complex supported by a chiral ferrocenyl phosphine thioether ligand for hydrogenation catalysis: a combined parahydrogen NMR and DFT study. <i>Dalton Transactions</i> , 2013 , 42, 11720-30	4.3	8
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