

# Rakesh Ganguly

## List of Publications by Citations

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254  
papers

5,629  
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41  
h-index

61  
g-index

274  
ext. papers

6,550  
ext. citations

5.8  
avg, IF

6.08  
L-index

#	Paper	IF	Citations
254	Amino acid-containing reduced Schiff bases as the building blocks for metallasupramolecular structures. <i>Coordination Chemistry Reviews</i> , <b>2008</b> , 252, 1027-1050	23.2	155
253	Morphology-Independent Stable White-Light Emission from Self-Assembled Two-Dimensional Perovskites Driven by Strong Exciton-Phonon Coupling to the Organic Framework. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3947-3953	9.6	146
252	A rationally designed nitrogen-rich metal-organic framework and its exceptionally high CO(2) and H(2) uptake capability. <i>Scientific Reports</i> , <b>2013</b> , 3, 1149	4.9	117
251	Isolation of a bis(oxazol-2-ylidene)-phenylborylene adduct and its reactivity as a boron-centered nucleophile. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9280-3	16.4	115
250	Controlling Supramolecular Chirality of Two-Component Hydrogels by J- and H-Aggregation of Building Blocks. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6467-6473	16.4	111
249	A surfactant-thermal method to prepare four new three-dimensional heterometal-organic frameworks. <i>Dalton Transactions</i> , <b>2013</b> , 42, 11367-70	4.3	110
248	Halogen-Assisted Piezochromic Supramolecular Assemblies for Versatile Haptic Memory. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 436-441	16.4	109
247	Versatile bimetallic lanthanide metal-organic frameworks for tunable emission and efficient fluorescence sensing. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	109
246	Significant gas uptake enhancement by post-exchange of zinc(II) with copper(II) within a metal-organic framework. <i>Chemical Communications</i> , <b>2012</b> , 48, 10286-8	5.8	102
245	Selective photocatalytic C-C bond cleavage under ambient conditions with earth abundant vanadium complexes. <i>Chemical Science</i> , <b>2015</b> , 6, 7130-7142	9.4	97
244	A large pyrene-fused N-heteroacene: fifteen aromatic six-membered rings annulated in one row. <i>Chemical Communications</i> , <b>2017</b> , 53, 7772-7775	5.8	94
243	Carbon-carbon bond activation of cyclobutenones enabled by the addition of chiral organocatalyst to ketone. <i>Nature Communications</i> , <b>2015</b> , 6, 6207	17.4	89
242	Isolation of 1,2,4,3-Triazaborol-3-yl-metal (Li, Mg, Al, Au, Zn, Sb, Bi) Derivatives and Reactivity toward CO and Isonitriles. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6650-61	16.4	89
241	Switching charge-transfer characteristics from p-type to n-type through molecular "doping" (co-crystallization). <i>Chemical Science</i> , <b>2016</b> , 7, 3851-3856	9.4	80
240	Enantioselective intramolecular formal [2 + 4] annulation of acrylates and $\alpha,\beta$ -unsaturated imines catalyzed by amino acid derived phosphines. <i>Organic Letters</i> , <b>2012</b> , 14, 3226-9	6.2	78
239	4-Diphenylamino-phenyl substituted pyrazine: nonlinear optical switching by protonation. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9191-9196	7.1	77
238	Diverse reactivity of a tricoordinate organoboron LPhB: (L = oxazol-2-ylidene) towards alkali metal, group 9 metal, and coinage metal precursors. <i>Chemical Science</i> , <b>2015</b> , 6, 2893-2902	9.4	76

237	1,3,2,5-Diazadiborinine featuring nucleophilic and electrophilic boron centres. <i>Nature Communications</i> , <b>2015</b> , 6, 7340	17.4	73
236	Ambiphilic boron in 1,4,2,5-diazadiborinine. <i>Nature Communications</i> , <b>2016</b> , 7, 11871	17.4	73
235	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P4 (N(t) Bu)6 : Enabled by Mechanochemistry. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12736-40	16.4	69
234	Molecule-based water-oxidation catalysts (WOCs): cluster-size-dependent dye-sensitized polyoxometalates for visible-light-driven O2 evolution. <i>Scientific Reports</i> , <b>2013</b> , 3, 1853	4.9	64
233	1,5,9-Triaza-2,6,10-triphenylboracoronene: BN-embedded analogue of coronene. <i>Organic Letters</i> , <b>2015</b> , 17, 560-3	6.2	63
232	Hydrophobic Metal Halide Perovskites for Visible-Light Photoredox C-C Bond Cleavage and Dehydrogenation Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3456-3460	16.4	62
231	Broadband-Emitting 2 D Hybrid Organic-Inorganic Perovskite Based on Cyclohexane-bis(methylamonium) Cation. <i>ChemSusChem</i> , <b>2017</b> , 10, 3765-3772	8.3	59
230	Alkene-Carbene Isomerization induced by Borane: Access to an Asymmetrical Diborene. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5047-5050	16.4	58
229	Isolation of a Diborane(6) Dication: Formation and Cleavage of an Electron-Precise B(sp(3))-B(sp(3)) Bond. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8623-9	16.4	56
228	N-heterocyclic carbene catalyzed homoenolate-addition reaction of enals and nitroalkenes: asymmetric synthesis of 5-carbon-synthons $\beta$ nitroesters. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 8276-80	16.4	56
227	Metal-free $\pi$ -bond metathesis in ammonia activation by a diazadiphosphapentalene. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16764-7	16.4	55
226	Carbon and sulfur budget of the silicate Earth explained by accretion of differentiated planetary embryos. <i>Nature Geoscience</i> , <b>2016</b> , 9, 781-785	18.3	55
225	Substituent dependent sensing behavior of Schiff base chemosensors in detecting Zn <sup>2+</sup> and Al <sup>3+</sup> ions: Drug sample analysis and living cell imaging. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 282, 347-358	8.5	52
224	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13555-13559	16.4	51
223	Co <sub>6</sub> ( $\mu$ -OH) <sub>6</sub> cluster based coordination polymer as an effective heterogeneous catalyst for aerobic epoxidation of alkenes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 2559-65	4.3	51
222	Isolation of a Bis(oxazol-2-ylidene) $\beta$ phenylborylene Adduct and its Reactivity as a Boron-Centered Nucleophile. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 9434-9437	3.6	50
221	Kinetics and DFT Studies of Photoredox Carbon-Carbon Bond Cleavage Reactions by Molecular Vanadium Catalysts under Ambient Conditions. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4682-4691	13.1	48
220	A crystalline Cu <sub>2</sub> N <sub>2</sub> framework for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19410-19416	13	48

219	Reversible [4 + 2] cycloaddition reaction of 1,3,2,5-diazadiborinine with ethylene. <i>Chemical Science</i> , <b>2015</b> , 6, 7150-7155	9.4	47
218	A carbene-stabilized two-coordinate phosphorus(III)-centered dication. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3132-5	16.4	46
217	Isolation of an imino-N-heterocyclic carbene/germanium(0) adduct: a mesoionic germylene equivalent. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13106-9	16.4	45
216	Lewis Acid-Catalyzed Selective [2 + 2]-Cycloaddition and Dearomatizing Cascade Reaction of Aryl Alkynes with Acrylates. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13570-13578	16.4	43
215	Crystalline Neutral Allenic Diborene. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9829-9832	16.4	41
214	Synthesis, crystal structures, and application of two new pincer type palladium(II)-Schiff base complexes in C-C cross-coupling reactions. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 471, 345-354	2.7	41
213	Improved Photovoltaic Efficiency and Amplified Photocurrent Generation in Mesoporous n = 1 Two-Dimensional Lead Chalcogenide Perovskite Solar Cells. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 890-898	9.6	39
212	Reactivity of a Distannylene toward Potassium Graphite: Synthesis of a Stannylidenide Anion. <i>Organometallics</i> , <b>2012</b> , 31, 6415-6419	3.8	38
211	Dye-sensitized polyoxometalate for visible-light-driven photoelectrochemical cells. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14354-8	4.3	37
210	Bisguanidinium dinuclear oxodiperoxomolybdatesulfate ion pair-catalyzed enantioselective sulfoxidation. <i>Nature Communications</i> , <b>2016</b> , 7, 13455	17.4	37
209	Unique Triphenylphosphonium Derivatives for Enhanced Mitochondrial Uptake and Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 590-599	6.3	36
208	1,2,4,3-Triazaborole-based neutral oxoborane stabilized by a Lewis acid. <i>Chemical Communications</i> , <b>2014</b> , 50, 8561-4	5.8	35
207	A multi-step solvent-free mechanochemical route to indium(III) complexes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 7941-6	4.3	33
206	Synthesis, characterization and crystal structure of a diketone based Cu(II) complex and its catalytic activity for the synthesis of 1,2,3-triazoles. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 453, 735-741	2.7	33
205	Hemilabile silver(I) complexes containing pyridyl chalcogenolate (S, Se) ligands and their utility as molecular precursors for silver chalcogenides. <i>CrystEngComm</i> , <b>2015</b> , 17, 4367-4376	3.3	31
204	Development of bis(arylimino)acenaphthene (BIAN) copper complexes as visible light harvesters for potential photovoltaic applications. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 651-662	6.8	30
203	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal- $\pi$ Interactions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10112-10117	16.4	30
202	Experimental and theoretical studies on pyrene-grafted polyoxometalate hybrid. <i>Dalton Transactions</i> , <b>2012</b> , 41, 12185-91	4.3	30

201	Co(II)-tricarboxylate metal-organic frameworks constructed from solvent-directed assembly for CO <sub>2</sub> adsorption. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 176, 194-198	5.3	30
200	Synthesis, structure, physical properties and OLED application of pyrazine-riphenylamine fused conjugated compounds. <i>RSC Advances</i> , <b>2015</b> , 5, 63080-63086	3.7	29
199	Investigation on chemical protease, nuclease and catecholase activity of two copper complexes with flexidentate Schiff base ligands. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 469, 111-122	2.7	29
198	Azaborabutadienes: Synthesis by Metal-Free Carboboration of Nitriles and Utility as Building Blocks for B,N-Heterocycles. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14718-14722	16.4	29
197	The Original Coordination Chemistry of 2-Phosphaphenol with Copper(I) and Gold(I) Halides. <i>Organometallics</i> , <b>2013</b> , 32, 3562-3565	3.8	29
196	Engineering the Frontier Orbitals of a Diazadiborinine for Facile Activation of H <sub>2</sub> , NH <sub>3</sub> , and an Isonitrile. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7846-7849	16.4	28
195	Synthesis, Characterization, and Biological Properties of Osmium-Based Tamoxifen Derivatives: Comparison with Their Homologues in the Iron and Ruthenium Series. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 4217-4226	2.3	28
194	A Crystalline Diazadiborinine Radical Cation and Its Boron-Centered Radical Reactivity. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7826-7829	16.4	27
193	Synthesis, characterization, and electronic structures of a methyl germyliumylidene ion and germylone-group VI metal complexes. <i>Chemical Communications</i> , <b>2016</b> , 52, 613-6	5.8	27
192	Zeolite encapsulated host-guest Cu(II) Schiff base complexes: Superior activity towards oxidation reactions over homogenous catalytic systems. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 271, 100-117	5.3	27
191	Counterion Dependence on the Synthetic Viability of NHC-stabilized Dichloroborenum Cations. <i>Organometallics</i> , <b>2013</b> , 32, 6718-6724	3.8	27
190	NHC-Catalyzed Ester Activation: Access to Sterically Congested Spirocyclic Oxindoles via Reaction of Aryl Esters and Unsaturated Imines. <i>Synlett</i> , <b>2013</b> , 24, 1197-1200	2.2	27
189	Synthesis and crystal structures of salen-type Cu(II) and Ni(II) Schiff base complexes: application in [3+2]-cycloaddition and A <sup>3</sup> -coupling reactions. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 13754-13762	3.6	26
188	Electrostatic Catalyst Generated from Diazadiborinine for Carbonyl Reduction. <i>Chem</i> , <b>2017</b> , 3, 134-151	16.2	26
187	Stibine-protected Au nanoclusters: syntheses, properties and facile conversion to GSH-protected Au nanocluster. <i>Chemical Science</i> , <b>2018</b> , 9, 8723-8730	9.4	26
186	Amidinate-Stabilized Group 9 Metal-Silicon(I) Dimer and -Silylene Complexes. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9968-75	5.1	24
185	Serendipitous Observation of Al Insertion into a C-O Bond in L PhB (L=Oxazol-2-ylidene). <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1922-1925	4.8	24
184	A Colorimetric and Fluorimetric Chemodosimeter for Copper Ion Based on the Conversion of Dihydropyrazine to Pyrazine. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 136-40	4.5	24

183	Spectroscopic Characterization and Mechanistic Studies on Visible Light Photoredox Carbon-Carbon Bond Formation by Bis(arylimino)acenaphthene Copper Photosensitizers. <i>ACS Catalysis</i> , <b>2018</b> , 8, 11277-11286	13.1	24
182	Formation of Boron-Main-Group Element Bonds by Reactions with a Tricoordinate Organoboron LPhB: (L = Oxazol-2-ylidene). <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5586-5593	5.1	23
181	Boron Analogue of Vinylidene Dication Supported by Phosphines. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 1255-1258	16.4	22
180	Direct evidence for the attack of a free N-heterocyclic carbene at a carbonyl ligand: a zwitterionic osmium carbonyl cluster. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12110-3	16.4	22
179	Observation of Carbodicarbene Ligand Redox Noninnocence in Highly Oxidized Iron Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15717-15722	16.4	22
178	N-Heteroheptacenequinone and N-heterononacenequinone: synthesis, physical properties, crystal structures and photoelectrochemical behaviors. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9877-9884	7.1	21
177	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P <sub>4</sub> (NtBu) <sub>6</sub> : Enabled by Mechanochemistry. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12928-12932	3.6	21
176	Inducing Panchromatic Absorption and Photoconductivity in Polycrystalline Molecular 1D Lead-Iodide Perovskites through $\pi$ -Stacked Viologens. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5827-5830	9.6	21
175	Crystalline Neutral Allenic Diborene. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 9961-9964	3.6	21
174	E-H (E = B, Si, C) Bond Activation by Tuning Structural and Electronic Properties of Phosphenium Cations. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 14671-14681	5.1	21
173	Oxidative addition of water and methanol to a dicationic trivalent phosphorus centre. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6628-31	4.8	21
172	Tetra- and dinuclear nickel(II)-vanadium(IV/V) heterometal complexes of a phenol-based N <sub>2</sub> O <sub>2</sub> ligand: synthesis, structures, and magnetic and redox properties. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 584-91	5.1	21
171	Synthesis, spectroscopic and single crystal X-ray studies on three new mononuclear Ni(II) pincer type complexes: DFT calculations and their antimicrobial activities. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1141, 428-435	3.4	20
170	Cobalt Metallogel Interface for Selectively Sensing L-Tryptophan among Essential Amino Acids. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 7324-7334	5.1	20
169	Synthesis and Hydrolytic Studies on the Air-Stable [(4-CN-PhO)(E)P(N(t)Bu)] <sub>2</sub> (E = O, S, and Se) Cyclodiphosphazanes. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6423-32	5.1	20
168	Synthesis and the Optical and Electrochemical Properties of Indium(III) Bis(arylimino)acenaphthene Complexes. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 7811-7820	5.1	20
167	Reaction of Terminal Phosphinidene Complexes with Dihydrogen. <i>Organometallics</i> , <b>2012</b> , 31, 2936-2939	3.8	20
166	N-Heterocyclic Carbene Catalyzed Homoenolate-Addition Reaction of Enals and Nitroalkenes: Asymmetric Synthesis of 5-Carbon-Synthon $\beta$ -Nitroesters. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 8401-8405	3.6	20

165	Synthesis, characterization and crystal structure of Cu(II) complex of trans-cyclohexane-1,2-diamine: Application in synthesis of symmetrical biaryls. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1134, 85-90	3.4	19
164	Isolation of a Cyclic (Alkyl)(amino)germylene. <i>Molecules</i> , <b>2016</b> , 21,	4.8	19
163	Bis(carbodicarbene)phosphenium trication: the case against hypervalency. <i>Chemical Communications</i> , <b>2016</b> , 52, 9789-92	5.8	19
162	Azaborabutadienes: Synthesis by Metal-Free Carboboration of Nitriles and Utility as Building Blocks for B,N-Heterocycles. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14938-14942	3.6	19
161	Two-Dimensional and Emission-Tunable: An Unusual Perovskite Constructed from Lindqvist-Type [PbBr] Nanoclusters. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14035-14038	5.1	19
160	Reactivity of an amidinato silylene and germylene toward germanium(ii), tin(ii) and lead(ii) halides. <i>Dalton Transactions</i> , <b>2017</b> , 46, 3642-3648	4.3	18
159	Diverse Bonding Activations in the Reactivity of a Pentaphenylborole toward Sodium Phosphaethynolate: Heterocycle Synthesis and Mechanistic Studies. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 4112-4120	5.1	18
158	A dicationic iminophosphane. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 3087-9	5.1	18
157	Synthesis of a Tin(II) 1,3-Benzobis(thiophosphinoyl)methanediide Complex and Its Reactions with Aluminum Compounds. <i>Organometallics</i> , <b>2012</b> , 31, 6538-6546	3.8	18
156	Mechanochemical Synthesis of Phosphazane-Based Frameworks. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11279-11285	4.8	17
155	C-F bond activation by transient phosphenium dications. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4180-2	5.1	17
154	Synthesis and DFT calculations of oxido and phenylimido-rhenium(V) complexes incorporating the N, O donor ligand 2-[(2-hydroxyethylimino)methyl]phenol. <i>Journal of Coordination Chemistry</i> , <b>2016</b> , 69, 303-317	1.6	17
153	Preparation, Structural Analysis, and Reactivity Studies of Phosphenium Dications. <i>Organometallics</i> , <b>2016</b> , 35, 439-449	3.8	17
152	Synthesis and structural characterization of a C <sub>2</sub> cumulene including 4-pyridylidene units, and its reactivity towards ammonia-borane. <i>Chemical Communications</i> , <b>2014</b> , 50, 12378-81	5.8	17
151	Orthogonality in main group compounds: a direct one-step synthesis of air- and moisture-stable cyclophosphazanes by mechanochemistry. <i>Chemical Communications</i> , <b>2018</b> , 54, 6800-6803	5.8	16
150	A Crystalline Diazadiborinine Radical Cation and Its Boron-Centered Radical Reactivity. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7952-7955	3.6	16
149	A New Type of PhosphaferrocenePyrrolePhosphaferrocene P-N-P Pincer Ligand. <i>Organometallics</i> , <b>2012</b> , 31, 2486-2488	3.8	16
148	Isolation and Reactivity of 1,4,2-Diazaborole. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 11274-11276	6.4	15

147	Molecular Engineering toward Coexistence of Dielectric and Optical Switch Behavior in Hybrid Perovskite Phase Transition Material. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 6416-6423	2.8	15
146	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13743-13747	3.6	15
145	Crystalline boron-linked tetraaminoethylene radical cations. <i>Chemical Science</i> , <b>2017</b> , 8, 7419-7423	9.4	15
144	Palladium/Osmium Heterometallic Clusters Containing N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , <b>2013</b> , 32, 7559-7563	3.8	15
143	Reactivity Studies on a Diazadiphosphapentalene. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9976-85	4.8	15
142	New mixed ligand oxorhenium(V) complexes of 3-thiapentane-1,5-dithiolato with 2-thiocytosine and 5-amino-1,3,4-thiadiazole-2-thiol: Experiment and theory. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 425, 124-133	3.7	14
141	Isolation of an Imino-N-heterocyclic Carbene/Germanium(0) Adduct: A Mesoionic Germylene Equivalent. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13322-13325	3.6	14
140	Synthesis, structural studies and ligand influence on the stability of aryl-NHC stabilised trimethylaluminium complexes. <i>Dalton Transactions</i> , <b>2015</b> , 44, 15166-74	4.3	14
139	A Carbene-Stabilized Two-Coordinate Phosphorus(III)-Centered Dication. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3214-3217	3.6	14
138	Hydrophobic Metal Halide Perovskites for Visible-Light Photoredox C–C Bond Cleavage and Dehydrogenation Catalysis. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3494-3498	3.6	14
137	Influence of increasing steric demand on isomerization of terminal alkenes catalyzed by bifunctional ruthenium complexes. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 834, 1-9	2.3	13
136	The Electrochemical Oxidation of Sesamol in Acetonitrile Containing Variable Amounts of Water. <i>Electrochimica Acta</i> , <b>2015</b> , 184, 392-402	6.7	13
135	Polymer-Assisted Single Crystal Engineering of Organic Semiconductors To Alter Electron Transport. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11837-11842	9.5	13
134	Unprecedented formation of a $\mu$ -oxobridged polymeric copper(II) complex: Evaluation of catalytic activity in synthesis of 5-substituted 1 H-tetrazoles. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 870, 16-22	2.3	13
133	Oxidative Addition across Sb–H and Sb–B Bonds by an Osmium Carbonyl Cluster: Trapping the Intermediate. <i>Organometallics</i> , <b>2014</b> , 33, 823-828	3.8	13
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131	A new route to a 2-phosphanaphthalene. <i>Organic Letters</i> , <b>2012</b> , 14, 4974-5	6.2	13
130	Reactivity of a Base-Stabilized Germanium(I) Dimer toward Group 9 Metal(I) Chloride and Dimanganese Decacarbonyl. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5402-5410	5.1	12



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127	Aryl-NHC-group 13 trimethyl complexes: structural, stability and bonding insights. <i>Dalton Transactions</i> , <b>2017</b> , 46, 854-864	4.3	12
126	Steric C-N bond activation on the dimeric macrocycle $[P(\text{ENR})_2(\text{ENR})_2]_2$ . <i>Chemical Communications</i> , <b>2015</b> , 51, 16468-71	5.8	12
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121	A new oxorhenium(V) complex with benzothiazole derived ligand: Relative stability and global chemical reactivity indices. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 447, 168-175	2.7	12
120	Effect of Carbazolyl Groups on Photophysical Properties of Cyanuric Chloride. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 47162-47169	9.5	12
119	Structural Mimics of the [Fe]-Hydrogenase: A Complete Set for Group VIII Metals. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 7113-7120	5.1	12
118	Copper(II)-facilitated synthesis of substituted thioethers and 5-substituted 1H-tetrazoles: Experimental and theoretical studies. <i>Journal of Organometallic Chemistry</i> , <b>2019</b> , 896, 194-206	2.3	11
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116	Role of zeolite encapsulated Cu(II) complexes in electron transfer as well as peroxy radical intermediates formation during oxidation of thioanisole. <i>Journal of Catalysis</i> , <b>2020</b> , 389, 305-316	7.3	11
115	Revisiting the Chemistry of Phosphinidene Sulfides. <i>Organometallics</i> , <b>2014</b> , 33, 5614-5617	3.8	11
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113	Photochemical Reaction of Cp*Ir(CO) <sub>2</sub> with C <sub>6</sub> F <sub>5</sub> X (X = CN, F): Formation of Diiridium(II) Complexes. <i>Organometallics</i> , <b>2013</b> , 32, 1053-1059	3.8	11
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103	Anti-Markovnikov hydroamination of terminal alkynes in gold-catalyzed pyridine construction from ammonia. <i>Chemical Communications</i> , <b>2015</b> , 51, 12419-22	5.8	9
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10	Reaction of the Decaosmium Carbido Cluster [Os <sub>10</sub> ( $\mu$ -6-C)(CO) <sub>24</sub> ] <sub>2</sub> with Halostibines. <i>Journal of Cluster Science</i> , <b>2021</b> , 32, 929-935	3	0
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