

Rakesh Ganguly

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

254
papers

5,629
citations

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	Pyrene-based fluorescent Ru(II)-arene complexes for significant biological applications: catalytic potential, DNA/protein binding, two photon cell imaging and cytotoxicity.. <i>Dalton Transactions</i> , 2022 ,	4.3	2
253	Copper(II) complexes of 1,3-dimethyl-5-(4 π -pyridylazo)-6-aminouracil: Structures, redox, magnetic and protein binding properties. <i>Journal of Molecular Structure</i> , 2022 , 1252, 132164	3.4	0
252	Synthesis, Structure and Catechol Oxidase Activity of Mono Nuclear Cu(II) Complex with Phenol-Based Chelating Agent with N, N, O Donor Sites. <i>Crystals</i> , 2022 , 12, 511	2.3	1
251	Synthesis, characterization, theoretical, molecular docking and biological activity studies of Ru(II) (η -cymene) complexes with novel aniline substituted aroyl selenoureas. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 4346-4361	3.6	2
250	Group VIII Metal Carbonyl Cluster-Boronic Acid Conjugates: Cytotoxicity and Mode of Action Studies. <i>ACS Omega</i> , 2021 , 6, 29045-29053	3.9	0
249	Synthesis, characterization, DNA binding ability, in vitro cytotoxicity, electrochemical properties and theoretical studies of copper(II) carboxylate complexes. <i>Inorganica Chimica Acta</i> , 2021 , 518, 120235	2.7	2
248	Ligand substitution in the osmium carbonyl cluster Os ₂ (CO) ₈ (η -3-SbPh)Os(CO) ₃ (Cl) ₂ : Towards derivatives of the osmostibine metalloligand. <i>Journal of Organometallic Chemistry</i> , 2021 , 942, 121817	2.3	0
247	Metalloenyl derivatives of ebselen are selective and competitive inhibitors of thioredoxin reductase. <i>Journal of Organometallic Chemistry</i> , 2021 , 943, 121822	2.3	2
246	Mechanosynthesis of Higher-Order Cocrystals: Tuning Order, Functionality and Size in Cocrystal Design**. <i>Angewandte Chemie</i> , 2021 , 133, 17622-17631	3.6	0
245	Reaction of the Decaosmium Carbido Cluster [Os ₁₀ (η -6-C)(CO) ₂₄] ₂ with Halostibines. <i>Journal of Cluster Science</i> , 2021 , 32, 929-935	3	0
244	Ruthenacyclic carbamoyl mimics of the [Fe]-hydrogenase active site: Derivatization at the 4-position of the pyridinyl ring. <i>Polyhedron</i> , 2021 , 193, 114890	2.7	
243	Synthesis, structure, luminescent properties and catecholase activity of Zn(II) complex with N, O chelating agent. <i>Journal of Molecular Structure</i> , 2021 , 1227, 129544	3.4	2
242	Size-control in the synthesis of oxo-bridged phosphazane macrocycles via a modular addition approach. <i>Communications Chemistry</i> , 2021 , 4,	6.3	3
241	Mechanosynthesis of Higher-Order Cocrystals: Tuning Order, Functionality and Size in Cocrystal Design*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17481-17490	16.4	8
240	Synthesis, crystal structure, and theoretical studies of a macrocyclic silver(I) complex of imino-pyridyl Schiff base ligand. <i>European Journal of Chemistry</i> , 2021 , 12, 248-255	0.6	
239	Modulation of catalytic and biomolecular binding properties of ruthenium(II)-arene complexes with the variation of coligands for selective toxicity against cancerous cells. <i>Polyhedron</i> , 2021 , 207, 115379	2.7	7
238	Tetranuclear copper(II) cubane complexes derived from self-assembled 1,3-dimethyl-5-(o-phenolate-azo)-6-aminouracil: structures, non-covalent interactions and magnetic property. <i>New Journal of Chemistry</i> , 2021 , 45, 2742-2753	3.6	4

237	Synthesis, characterization, in silico and in vitro biological activity studies of Ru(II) (β -p-cymene) complexes with novel N-dibenzosuberene substituted aroyl selenourea exhibiting Se type coordination. <i>Research on Chemical Intermediates</i> , 2020 , 46, 3853-3877	2.8	7
236	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> , 2020 , 389, 305-316	7.3	11
235	Synthesis, Structure and Hirshfeld Surface Analysis of PhosphineImidazolium Salt. <i>MolBank</i> , 2020 , 2020, M1141	0.5	
234	Encapsulating ruthenium in silica using a single source precursor: Differing outcomes for a cycloaddition reaction. <i>Inorganica Chimica Acta</i> , 2020 , 512, 119833	2.7	1
233	Carbodicarbene Ligand Redox Noninnocence in Highly Oxidized Chromium and Cobalt Complexes. <i>Inorganic Chemistry</i> , 2020 , 59, 4118-4128	5.1	9
232	Synthesis, structure, Hirshfeld surface analysis and catecholase activity of Ni(II) complex with sterically constrained phenol based ligand. <i>Journal of Molecular Structure</i> , 2020 , 1202, 127340	3.4	7
231	Carbonylative Suzuki coupling reactions catalyzed by ONO pincer type Pd(II) complexes using chloroform as a carbon monoxide surrogate. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5414	3.1	7
230	MetalOrganic architectures driven by a multifunctional 6-aminouracil spacer: structures, noncovalent interactions, and conductivity. <i>CrystEngComm</i> , 2020 , 22, 829-840	3.3	4
229	Novel dibenzosuberene substituted aroyl selenoureas: Synthesis, crystal structure, DFT, molecular docking and biological studies. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020 , 195, 331-338	1.8	6
228	N-Bridged Acyclic Trimeric Poly-Cyclodiphosphazanes: Highly Tuneable Cyclodiphosphazane Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22100-22108	16.4	3
227	Investigating the solid-state assembly of pharmaceutically-relevant N,N-dimethyl-O-thiocarbamates in the absence of labile hydrogen bonds. <i>CrystEngComm</i> , 2020 , 22, 8290-8298	3.3	3
226	Tuning the π overlap and charge transport in single crystals of an organic semiconductor via solvation and polymorphism. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 19855-19863	3.6	3
225	N-Bridged Acyclic Trimeric Poly-Cyclodiphosphazanes: Highly Tuneable Cyclodiphosphazane Building Blocks. <i>Angewandte Chemie</i> , 2020 , 132, 22284-22292	3.6	2
224	Electronically Induced Steric Clash: Synthesis of NMe ₂ -Modified β -Diketimate-Supported Boron Difluoride Compounds. <i>Australian Journal of Chemistry</i> , 2020 , 73, 1219	1.2	2
223	Ruthenium-Based Structural Mimics of the Cofactor of [Fe]-Hydrogenase: Replacement of the Acyl Moiety with an N-Heterocyclic Carbene. <i>ChemistrySelect</i> , 2020 , 5, 10775-10780	1.8	
222	Selective cyclodimerization of epichlorohydrin to dioxane derivatives over MOFs. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 1088-1093	5.9	3
221	Carboxylated Chalcone and Benzaldehyde Derivatives of Triosmium Carbonyl Clusters: Synthesis, Characterization and Biological Activity Towards MCF-7 Cells. <i>Journal of Cluster Science</i> , 2020 , 31, 759-767	2.7	1
220	Synthesis, characterization and photophysical studies of a novel polycyclic diborane. <i>New Journal of Chemistry</i> , 2019 , 43, 564-568	3.6	3

219	Copper(II)-facilitated synthesis of substituted thioethers and 5-substituted 1H-tetrazoles: Experimental and theoretical studies. <i>Journal of Organometallic Chemistry</i> , 2019 , 896, 194-206	2.3	11
218	Cobalt Metallogel Interface for Selectively Sensing L-Tryptophan among Essential Amino Acids. <i>Inorganic Chemistry</i> , 2019 , 58, 7324-7334	5.1	20
217	Enantiomeric pairs of ternary copper(ii) complexes and their aldol-type condensation products: synthesis, characterization, and anticancer and epigenetic properties. <i>Dalton Transactions</i> , 2019 , 48, 4987-4994	4.3	4
216	Very strong trans effect in ruthenacyclic carbamoyl complexes leads to ligand redistribution in phosphine derivatives. <i>Journal of Organometallic Chemistry</i> , 2019 , 887, 5-11	2.3	2
215	Platinum-Osmium Heterometallic Clusters Containing N-Heterocyclic Carbene Ligands and an Electron-Deficient Tetraosmium By-Product. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 1966-1969	2.3	4
214	Synthesis, characterization and single crystal X-ray studies of pincer type Ni(II)-Schiff base complexes: Application in synthesis of 2-substituted benzimidazoles. <i>Journal of Organometallic Chemistry</i> , 2019 , 890, 13-20	2.3	7
213	Cobalt Complex of a Tetraamido Macrocyclic Ligand as a Precursor for Electrocatalytic Hydrogen Evolution. <i>Organometallics</i> , 2019 , 38, 1397-1406	3.8	7
212	Novel Approach to Generate a Self-Deliverable Ru(II)-Based Anticancer Agent in the Self-Reacting Confined Gel Space. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47606-47618	9.5	11
211	Effect of Carbazolyl Groups on Photophysical Properties of Cyanuric Chloride. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47162-47169	9.5	12
210	Visible Light Driven Hydrogen Evolution by Molecular Nickel Catalysts with Time-Resolved Spectroscopic and DFT Insights. <i>Inorganic Chemistry</i> , 2019 , 58, 1469-1480	5.1	11
209	Synthesis and Electronic Properties of Novel 5,7-Diazapentacene Derivatives. <i>Chemistry - A European Journal</i> , 2019 , 25, 1819-1823	4.8	10
208	Substituent dependent sensing behavior of Schiff base chemosensors in detecting Zn ²⁺ and Al ³⁺ ions: Drug sample analysis and living cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 347-358	8.5	52
207	Hydrophobic Metal Halide Perovskites for Visible-Light Photoredox C-C Bond Cleavage and Dehydrogenation Catalysis. <i>Angewandte Chemie</i> , 2019 , 131, 3494-3498	3.6	14
206	Improved Photovoltaic Efficiency and Amplified Photocurrent Generation in Mesoporous n = 1 Two-Dimensional Lead Chalcide Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2019 , 31, 890-898	9.6	39
205	Hydrophobic Metal Halide Perovskites for Visible-Light Photoredox C-C Bond Cleavage and Dehydrogenation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3456-3460	16.4	62
204	Synthesis, crystal structure, DFT study, in vitro and in silico molecular docking of novel bis (aroyl selenourea) derivatives. <i>Journal of Molecular Structure</i> , 2019 , 1180, 585-594	3.4	6
203	Orthogonality in main group compounds: a direct one-step synthesis of air- and moisture-stable cyclophosphazanes by mechanochemistry. <i>Chemical Communications</i> , 2018 , 54, 6800-6803	5.8	16
202	Structure engineering: extending the length of azaacene derivatives through quinone bridges. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3628-3633	7.1	9

201	A Crystalline Diazadiborinine Radical Cation and Its Boron-Centered Radical Reactivity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7826-7829	16.4	27
200	Versatile bimetallic lanthanide metal-organic frameworks for tunable emission and efficient fluorescence sensing. <i>Communications Chemistry</i> , 2018 , 1,	6.3	109
199	Isolation and Reactivity of a Chlorogermylumidene Featuring Two Ge ^{III} Units. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2228-2231	2.3	5
198	Boron Analogue of Vinylidene Dication Supported by Phosphines. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1255-1258	16.4	22
197	Photooxidation of a Twisted Isoquinolinone. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 250-254	4.5	3
196	3-Amino-1,2,4(4H)-oxadiazol-5-one (AOD) and its nitrogen-rich salts: a class of insensitive energetic materials. <i>New Journal of Chemistry</i> , 2018 , 42, 1840-1844	3.6	5
195	A Friedländer route to 5,7-diazapentacenes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3715-3721	7.1	9
194	A Crystalline Diazadiborinine Radical Cation and Its Boron-Centered Radical Reactivity. <i>Angewandte Chemie</i> , 2018 , 130, 7952-7955	3.6	16
193	Engineering the Frontier Orbitals of a Diazadiborinine for Facile Activation of H ₂ , NH ₃ , and an Isonitrile. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7846-7849	16.4	28
192	The metallostibine Os ₂ (CO) ₈ (EBsPh): A versatile donor precursor for antimony-containing heterometallic clusters. <i>Journal of Organometallic Chemistry</i> , 2018 , 858, 53-61	2.3	2
191	Polymer-Assisted Single Crystal Engineering of Organic Semiconductors To Alter Electron Transport. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11837-11842	9.5	13
190	C-H activation and nucleophilic substitution in a photochemically generated high valent iron complex. <i>Chemical Science</i> , 2018 , 9, 3992-4002	9.4	12
189	Investigation on chemical protease, nuclease and catecholase activity of two copper complexes with flexidentate Schiff base ligands. <i>Inorganica Chimica Acta</i> , 2018 , 469, 111-122	2.7	29
188	Nickel(II) based homo- vs heterometallic 1D coordination polymers derived from a novel 6-aminouracil building block: Structures, topologies, non-covalent interactions, magnetism, and antibacterial activity. <i>Inorganica Chimica Acta</i> , 2018 , 482, 384-394	2.7	8
187	Molecular Engineering toward Coexistence of Dielectric and Optical Switch Behavior in Hybrid Perovskite Phase Transition Material. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 6416-6423	2.8	15
186	Synthesis and crystal structures of salen-type Cu(II) and Ni(II) Schiff base complexes: application in [3+2]-cycloaddition and A ³ -coupling reactions. <i>New Journal of Chemistry</i> , 2018 , 42, 13754-13762	3.6	26
185	Controlling Supramolecular Chirality of Two-Component Hydrogels by J- and H-Aggregation of Building Blocks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6467-6473	16.4	111
184	Experimental and computational studies on a new mixed ligand oxidothorium(V) compound. <i>Journal of the Chinese Chemical Society</i> , 2018 , 65, 1035-1043	1.5	3

183	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal- π Interactions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10112-10117	16.4	30
182	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13555-13559	16.4	51
181	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie</i> , 2018 , 130, 13743-13747	3.6	15
180	Inducing Panchromatic Absorption and Photoconductivity in Polycrystalline Molecular 1D Lead-Iodide Perovskites through π -Stacked Viologens. <i>Chemistry of Materials</i> , 2018 , 30, 5827-5830	9.6	21
179	Synthesis of Unique Phosphazane Macrocycles via Steric Activation of C-N Bonds. <i>Inorganic Chemistry</i> , 2018 , 57, 10993-11004	5.1	6
178	Zeolite encapsulated host-guest Cu(II) Schiff base complexes: Superior activity towards oxidation reactions over homogenous catalytic systems. <i>Microporous and Mesoporous Materials</i> , 2018 , 271, 100-117	5.3	27
177	Unprecedented formation of a μ -oxobridged polymeric copper(II) complex: Evaluation of catalytic activity in synthesis of 5-substituted 1 H -tetrazoles. <i>Journal of Organometallic Chemistry</i> , 2018 , 870, 16-22	2.3	13
176	cis-Cyclodiphosph(V/V)azanes as highly stable and robust main group supramolecular building blocks. <i>CrystEngComm</i> , 2018 , 20, 5998-6004	3.3	8
175	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> , 2018 , 471, 345-354	2.7	41
174	Observation of Carbodicarbene Ligand Redox Noninnocence in Highly Oxidized Iron Complexes. <i>Angewandte Chemie</i> , 2018 , 130, 15943-15948	3.6	2
173	Ruthenacyclic Carbamoyl Complexes: Highly Efficient Catalysts for Organosilane Hydrolysis. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4982-4986	2.3	6
172	Observation of Carbodicarbene Ligand Redox Noninnocence in Highly Oxidized Iron Complexes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15717-15722	16.4	22
171	Spectroscopic Characterization and Mechanistic Studies on Visible Light Photoredox Carbon-Carbon Bond Formation by Bis(arylimino)acenaphthene Copper Photosensitizers. <i>ACS Catalysis</i> , 2018 , 8, 11277-11286	13.1	24
170	Two-Dimensional and Emission-Tunable: An Unusual Perovskite Constructed from Lindqvist-Type [PbBr] Nanoclusters. <i>Inorganic Chemistry</i> , 2018 , 57, 14035-14038	5.1	19
169	Stibine-protected Au nanoclusters: syntheses, properties and facile conversion to GSH-protected Au nanocluster. <i>Chemical Science</i> , 2018 , 9, 8723-8730	9.4	26
168	Embedding a Ruthenium-Based Structural Mimic of the [Fe]-Hydrogenase Cofactor into Papain. <i>Inorganic Chemistry</i> , 2018 , 57, 12206-12212	5.1	7
167	Synthesis, structures, and investigation of noncovalent interactions of 1,3-dimethyl-5-(4 π /3 π -pyridylazo)-6-aminouracil and their Ni(II) complexes. <i>Journal of Molecular Structure</i> , 2018 , 1170, 70-81	3.4	4
166	Engineering the Frontier Orbitals of a Diazadiborinine for Facile Activation of H ₂ , NH ₃ , and an Isonitrile. <i>Angewandte Chemie</i> , 2018 , 130, 7972-7975	3.6	10

165	Structural Mimics of the [Fe]-Hydrogenase: A Complete Set for Group VIII Metals. <i>Inorganic Chemistry</i> , 2018 , 57, 7113-7120	5.1	12
164	Donor-Acceptor Stabilized Tetra(silanimine). <i>Inorganic Chemistry</i> , 2017 , 56, 1609-1615	5.1	6
163	Nickel tetrazolato complexes synthesized by microwave irradiation: Catecholase like activity and interaction with biomolecules. <i>Journal of Coordination Chemistry</i> , 2017 , 70, 261-278	1.6	10
162	Bis(N-heterocyclic olefin) Derivative: An Efficient Precursor for Isophosphindolylium Species. <i>Inorganic Chemistry</i> , 2017 , 56, 8608-8614	5.1	9
161	Formation of Boron-Main-Group Element Bonds by Reactions with a Tricoordinate Organoboron LPhB: (L = Oxazol-2-ylidene). <i>Inorganic Chemistry</i> , 2017 , 56, 5586-5593	5.1	23
160	Reactivity of an amidinato silylene and germylene toward germanium(ii), tin(ii) and lead(ii) halides. <i>Dalton Transactions</i> , 2017 , 46, 3642-3648	4.3	18
159	Influence of increasing steric demand on isomerization of terminal alkenes catalyzed by bifunctional ruthenium complexes. <i>Journal of Organometallic Chemistry</i> , 2017 , 834, 1-9	2.3	13
158	Reactivity of a Base-Stabilized Germanium(I) Dimer toward Group 9 Metal(I) Chloride and Dimanganese Decacarbonyl. <i>Inorganic Chemistry</i> , 2017 , 56, 5402-5410	5.1	12
157	Mechanochemical Synthesis of Phosphazane-Based Frameworks. <i>Chemistry - A European Journal</i> , 2017 , 23, 11279-11285	4.8	17
156	Expedient Synthesis of a Metallostibine Os ₂ (CO) ₈ (η -SbPh): An Unusual and Strong Two-Electron-Donor Ligand. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2541-2546	2.3	5
155	A large pyrene-fused N-heteroacene: fifteen aromatic six-membered rings annulated in one row. <i>Chemical Communications</i> , 2017 , 53, 7772-7775	5.8	94
154	Nickel(II) Square-Planar Complex of 1,3-Dimethyl-5-(p-Cl-phenylazo)-6-aminouracil: Crystal Structure, Dissociation Kinetics and Anion Interaction. <i>Journal of Chemical Crystallography</i> , 2017 , 47, 101-109	0.5	5
153	Kinetics and DFT Studies of Photoredox Carbon-Carbon Bond Cleavage Reactions by Molecular Vanadium Catalysts under Ambient Conditions. <i>ACS Catalysis</i> , 2017 , 7, 4682-4691	13.1	48
152	Synthesis and structure of 1,3-dimethyl-5-(p-sulfonamide-phenylazo)-6-aminouracil and its Ni(II) complex: Topological insights and investigation for noncovalent interactions. <i>Journal of Molecular Structure</i> , 2017 , 1141, 225-236	3.4	12
151	Alkene-Carbene Isomerization induced by Borane: Access to an Asymmetrical Diborene. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5047-5050	16.4	58
150	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> , 2017 , 1141, 428-435	3.4	20
149	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> , 2017 , 29, 3947-3953	9.6	146
148	Diverse Bonding Activations in the Reactivity of a Pentaphenylborole toward Sodium Phosphaethynolate: Heterocycle Synthesis and Mechanistic Studies. <i>Inorganic Chemistry</i> , 2017 , 56, 4112-4120	5.1	18

147	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> , 2017 , 1134, 85-90	3.4	19
146	Unique Triphenylphosphonium Derivatives for Enhanced Mitochondrial Uptake and Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2017 , 28, 590-599	6.3	36
145	Pursuing the active species in an aluminium-based Lewis acid system for catalytic Diels-Alder cycloadditions. <i>Dalton Transactions</i> , 2017 , 46, 753-759	4.3	12
144	Halogen-Assisted Piezochromic Supramolecular Assemblies for Versatile Haptic Memory. <i>Journal of the American Chemical Society</i> , 2017 , 139, 436-441	16.4	109
143	Aryl-NHC-group 13 trimethyl complexes: structural, stability and bonding insights. <i>Dalton Transactions</i> , 2017 , 46, 854-864	4.3	12
142	Generation and Trapping of Terminal Phosphinidene Complex [CF ₃ P-W(CO) ₅]. <i>ChemistrySelect</i> , 2017 , 2, 9838-9841	1.8	1
141	A snapshot of inorganic Janovsky complex analogues featuring a nucleophilic boron center. <i>Chemical Communications</i> , 2017 , 53, 12734-12737	5.8	8
140	Study of an efficient conversion of 1,3-dimethyl-5-(Arylazo)-6-Amino-Uracils to 1,3-dimethyl-8-(Aryl)-Azapurin-2,6-Diones. <i>Journal of Molecular Structure</i> , 2017 , 1150, 118-126	3.4	4
139	Crystalline boron-linked tetraaminoethylene radical cations. <i>Chemical Science</i> , 2017 , 8, 7419-7423	9.4	15
138	Ring Expansion, Photoisomerization, and Retrocyclization of 1,4,2-Diazaboroles. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14572-14576	16.4	5
137	Lewis Acid-Catalyzed Selective [2 + 2]-Cycloaddition and Dearomatizing Cascade Reaction of Aryl Alkynes with Acrylates. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13570-13578	16.4	43
136	Electrostatic Catalyst Generated from Diazadiborinine for Carbonyl Reduction. <i>Chem</i> , 2017 , 3, 134-151	16.2	26
135	Cobalt-platinum heterometallic clusters containing N-heterocyclic carbene ligands. <i>Journal of Organometallic Chemistry</i> , 2017 , 849-850, 48-53	2.3	2
134	Crystalline Neutral Allenic Diborene. <i>Angewandte Chemie</i> , 2017 , 129, 9961-9964	3.6	21
133	Crystalline Neutral Allenic Diborene. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9829-9832	16.4	41
132	Broadband-Emitting 2 D Hybrid Organic-Inorganic Perovskite Based on Cyclohexane-bis(methylammonium) Cation. <i>ChemSusChem</i> , 2017 , 10, 3765-3772	8.3	59
131	Ring Expansion, Photoisomerization, and Retrocyclization of 1,4,2-Diazaboroles. <i>Angewandte Chemie</i> , 2017 , 129, 14764-14768	3.6	4
130	E-H (E = B, Si, C) Bond Activation by Tuning Structural and Electronic Properties of Phosphenium Cations. <i>Inorganic Chemistry</i> , 2017 , 56, 14671-14681	5.1	21

129	Synthesis, Characterization, and Crystal Structures of Diruthenium Complexes Containing Bridging Salicylato Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 878-882	1.3	
128	Synthesis and the Optical and Electrochemical Properties of Indium(III) Bis(arylimino)acenaphthene Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 7811-7820	5.1	20
127	Synthesis and thermal reactivity of a Me ₃ N-stabilized cyclic (alkyl)(amino)oxophosphonium ion. <i>Inorganica Chimica Acta</i> , 2017 , 460, 2-7	2.7	7
126	Synthesis and crystal structures of [PhPCHPPh]I di-chloro-methane disolvate and [PhPCHPPh](BI). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 1259-1263	0.7	5
125	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P ₄ (NtBu) ₆ : Enabled by Mechanochemistry. <i>Angewandte Chemie</i> , 2016 , 128, 12928-12932	3.6	21
124	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P ₄ (N(t) Bu) ₆ : Enabled by Mechanochemistry. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12736-40	16.4	69
123	Ambiphilic boron in 1,4,2,5-diazadiborinine. <i>Nature Communications</i> , 2016 , 7, 11871	17.4	73
122	Bisguanidinium dinuclear oxodiperoxomolybdosulfate ion pair-catalyzed enantioselective sulfoxidation. <i>Nature Communications</i> , 2016 , 7, 13455	17.4	37
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118	Oxidative addition of halogen across an Os-Os or Os-Sb bond: Formation of five-membered osmium-antimony carbonyl rings. <i>Journal of Organometallic Chemistry</i> , 2016 , 811, 66-73	2.3	4
117	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> , 2016 , 138, 8623-9	16.4	56
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115	Synthesis of an N-Heterocyclic-Carbene-Stabilized Siladiimide. <i>Inorganic Chemistry</i> , 2016 , 55, 4-6	5.1	7
114	Development of bis(arylimino)acenaphthene (BIAN) copper complexes as visible light harvesters for potential photovoltaic applications. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 651-662	6.8	30
113	Convenient route to an electron-deficient Tetraosmium(I) Carboxylate chain. <i>Journal of Organometallic Chemistry</i> , 2016 , 804, 114-117	2.3	3
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108	Isolation of a Cyclic (Alkyl)(amino)germylene. <i>Molecules</i> , 2016 , 21,	4.8	19
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106	Reactivity Studies on a Diazadiphosphapentalene. <i>Chemistry - A European Journal</i> , 2016 , 22, 9976-85	4.8	15
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89	Anti-Markovnikov hydroimination of terminal alkynes in gold-catalyzed pyridine construction from ammonia. <i>Chemical Communications</i> , 2015 , 51, 12419-22	5.8	9
88	Synthesis, structure, physical properties and OLED application of pyrazine-triphenylamine fused conjugated compounds. <i>RSC Advances</i> , 2015 , 5, 63080-63086	3.7	29
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