

Alexander M Kirillov

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.

229
papers

8,237
citations

61
h-index

80
g-index

241
ext. papers

9,269
ext. citations

4.8
avg, IF

6.39
L-index

#	Paper	IF	Citations
229	Bimetallic metal-organic frameworks and MOF-derived composites: Recent progress on electro- and photoelectrocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2022 , 451, 214264	23.2	30
228	Exploring Cage-like Silsesquioxane Building Blocks for the Design of Heterometallic Cu ₄ /M ₄ Architectures. <i>Crystal Growth and Design</i> , 2022 , 22, 2146-2157	3.5	2
227	Trimetallic metal-organic frameworks and derived materials for environmental remediation and electrochemical energy storage and conversion. <i>Coordination Chemistry Reviews</i> , 2022 , 461, 214505	23.2	11
226	Butterfly-like Heteronuclear 3d ⁹ f Metal Clusters: Synthesis, Structures, Magnetic Properties, and Magnetocaloric Effect. <i>Crystal Growth and Design</i> , 2022 , 22, 608-614	3.5	1
225	Silver(I)-Tazobactam Frameworks with Improved Antimicrobial Activity.. <i>Frontiers in Chemistry</i> , 2021 , 9, 815827	5	
224	DFT quest for mechanism and stereoselectivity in B(C ₆ F ₅) ₃ -catalyzed cyclopropanation of alkenes with aryldiazoacetates. <i>Molecular Catalysis</i> , 2021 , 516, 111980	3.3	1
223	Mild oxidative functionalization of cycloalkanes catalyzed by novel dicopper(II) cores. <i>Molecular Catalysis</i> , 2021 , 503, 111401	3.3	2
222	Silver(I) Coordination Polymers Immobilized into Biopolymer Films for Antimicrobial Applications. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12836-12844	9.5	22
221	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
220	Coordination Polymers from 2-Chloroterephthalate Linkers: Synthesis, Structural Diversity, and Catalytic CO ₂ Fixation. <i>Crystal Growth and Design</i> , 2021 , 21, 2876-2888	3.5	0
219	Cu- and Cu-Cage Sil- and Germsesquioxanes: Synthetic and Structural Features, Oxidative Rearrangements, and Catalytic Activity. <i>Inorganic Chemistry</i> , 2021 , 60, 8062-8074	5.1	4
218	A 3D MOF based on Adamantoid Tetracopper(II) and Aminophosphine Oxide Cages: Structural Features and Magnetic and Catalytic Properties. <i>Inorganic Chemistry</i> , 2021 , 60, 9631-9644	5.1	2
217	Instantaneous Sonophotocatalytic Degradation of Tetracycline over NU-1000@ZnInS Core-Shell Nanorods as a Robust and Eco-friendly Catalyst. <i>Inorganic Chemistry</i> , 2021 , 60, 9660-9672	5.1	22
216	Time-Dependent Self-Assembly of Copper(II) Coordination Polymers and Tetranuclear Rings: Catalysts for Oxidative Functionalization of Saturated Hydrocarbons. <i>Inorganic Chemistry</i> , 2021 , 60, 14491-14503	5.1	13
215	Third-Order Nonlinear Optical Behavior of an Amide-Tricarboxylate Zinc(II) Metal-Organic Framework with Two-Fold 3D+3D Interpenetration. <i>Inorganic Chemistry</i> , 2021 , 60, 9700-9708	5.1	30
214	Structural and Thermal Investigations of Co(II) and Ni(II) Coordination Polymers Based on biphenyl-4,4'-dioxydiacetate Linker. <i>Materials</i> , 2021 , 14,	3.5	2
213	Coordination polymers from an unexplored biphenyl-tricarboxylate linker: hydrothermal synthesis, structural traits and catalytic cyanosilylation. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1229-1242	6.8	7

212	Simultaneous Presence of Open Metal Sites and Amine Groups on a 3D Dy(III)-Metal-Organic Framework Catalyst for Mild and Solvent-Free Conversion of CO to Cyclic Carbonates. <i>Inorganic Chemistry</i> , 2021 , 60, 2056-2067	5.1	41
211	Metal-Organic architectures designed from a triphenyl-pentacarboxylate linker: hydrothermal assembly, structural multiplicity, and catalytic Knoevenagel condensation. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 4209-4221	6.8	1
210	Epoxy Functional Composites Based on Lanthanide Metal-Organic Frameworks for Luminescent Polymer Materials. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7625-7634	9.5	10
209	Metal(II) Coordination Polymers from Tetracarboxylate Linkers: Synthesis, Structures, and Catalytic Cyanosilylation of Benzaldehydes. <i>Catalysts</i> , 2021 , 11, 204	4	1
208	Layered Inorganic-Organic 3,5-Dimethylpyrazole-4-Sulfonate Films for Protection of Copper Surfaces against Corrosion. <i>Crystal Growth and Design</i> , 2021 , 21, 5421-5439	3.5	
207	Coordination Polymers Driven by Carboxy Functionalized Picolinate Linkers: Hydrothermal Assembly, Structural Multiplicity, and Catalytic Features. <i>Crystal Growth and Design</i> , 2021 , 21, 5145-5157	3.5	1
206	Self-Assembly and Multifaceted Bioactivity of a Silver(I) Quinolate Coordination Polymer. <i>Inorganic Chemistry</i> , 2021 , 60, 15435-15444	5.1	4
205	DFT Study on Zr-Catalyzed Alkene Hydroaminoalkylation: Origin of Regioselectivity, Diastereoselectivity, and Influence of Substrate. <i>Organic Letters</i> , 2021 , 23, 583-587	6.2	2
204	DFT Quest of the Active Species of the Gallium-Mediated Coupling of Methylidenemalonates and Acetylenes. <i>Inorganic Chemistry</i> , 2021 , 60, 995-1006	5.1	1
203	Coupling 6-chloro-3-methyluracil with copper: structural features, theoretical analysis, and biofunctional properties. <i>Dalton Transactions</i> , 2021 , 50, 13533-13542	4.3	1
202	H-Bonded and metal(ii)-organic architectures assembled from an unexplored aromatic tricarboxylic acid: structural variety and functional properties. <i>Dalton Transactions</i> , 2020 , 49, 7197-7209	4.3	11
201	Antiviral, Antibacterial, Antifungal, and Cytotoxic Silver(I) BioMOF Assembled from 1,3,5-Triaza-7-Phoshaadamantane and Pyromellitic Acid. <i>Molecules</i> , 2020 , 25,	4.8	24
200	Density Functional Theory Study of the Metal-Catalyzed Cycloaddition of Indolyl-Allenes: Possible Reaction Pathways, Stereoselectivity, and Regioselectivity. <i>Organometallics</i> , 2020 , 39, 1782-1789	3.8	6
199	New silver (thio)semicarbazide derivatives: synthesis, structural features, and antimicrobial activity. <i>New Journal of Chemistry</i> , 2020 , 44, 10924-10932	3.6	1
198	DFT study on the Silver effect in gold-catalyzed hydroamination of terminal alkynyl sulfamides. <i>Molecular Catalysis</i> , 2020 , 486, 110847	3.3	1
197	The DFT Quest for Possible Reaction Pathways, Catalytic Species, and Regioselectivity in the InCl-Catalyzed Cycloaddition of -Tosyl Formaldimine with Olefins or Allenes. <i>Journal of Organic Chemistry</i> , 2020 , 85, 3676-3688	4.2	4
196	A Flexible Aromatic Tetracarboxylate as a New Linker for Coordination Polymers. <i>Crystals</i> , 2020 , 10, 84	2.3	1
195	Carbocation versus Carbene Controlled Chemoselectivity: DFT Study on Gold- and Silver-Catalyzed Alkylation/Cyclopropanation of Indoles with Vinyl Diazoesters. <i>Organic Letters</i> , 2020 , 22, 4043-4048	6.2	10

194	Aminoalcoholate-driven tetracopper(II) cores as dual acetyl and butyrylcholinesterase inhibitors: Experimental and theoretical elucidation of mechanism of action. <i>Journal of Inorganic Biochemistry</i> , 2020 , 205, 110990	4.2	4
193	Insight into the reaction mechanism and chemoselectivity in the cycloaddition of ynamides and isoxazoles with H ₂ O. <i>Catalysis Science and Technology</i> , 2020 , 10, 240-251	5.5	3
192	Metal-organic architectures driven by a multifunctional 6-aminouracil spacer: structures, noncovalent interactions, and conductivity. <i>CrystEngComm</i> , 2020 , 22, 829-840	3.3	4
191	Lead(II) coordination polymers driven by pyridine-hydrazine donors: from anion-guided self-assembly to structural features. <i>Dalton Transactions</i> , 2020 , 49, 11238-11248	4.3	11
190	Color tuning of intrinsic white-light emission in anthracene-linker coordination networks. <i>Dalton Transactions</i> , 2020 , 49, 12082-12087	4.3	6
189	Heterometallic (3d-4f) Coordination Clusters with Unique Topology: Self-Assembly Synthesis, Structural Features, and Magnetic Properties. <i>Crystal Growth and Design</i> , 2020 , 20, 6545-6554	3.5	10
188	Introducing a flexible tetracarboxylic acid linker into functional coordination polymers: synthesis, structural traits, and photocatalytic dye degradation. <i>New Journal of Chemistry</i> , 2020 , 44, 16082-16091	3.6	8
187	Metal-Organic Architectures Assembled from Multifunctional Polycarboxylates: Hydrothermal Self-Assembly, Structures, and Catalytic Activity in Alkane Oxidation. <i>Inorganic Chemistry</i> , 2019 , 58, 2403-2412	5.1	62
186	Theoretical study on the mechanism and chemoselectivity in gold(I)-catalyzed cycloisomerization of β -disubstituted ortho-(alkynyl)styrenes. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 2701-2712	5.2	8
185	Sonochemical Synthesis of Cadmium(II) Coordination Polymer Nanospheres as Precursor for Cadmium Oxide Nanoparticles. <i>Crystals</i> , 2019 , 9, 199	2.3	5
184	Tetracopper(II) Cores Driven by an Unexplored Trifunctional Aminoalcohol Sulfonic Acid for Mild Catalytic C-H Functionalization of Alkanes. <i>Catalysts</i> , 2019 , 9, 321	4	4
183	Hydrothermal generation, structural versatility and properties of metal(II)-organic architectures driven by a pyridine-tricarboxylic acid. <i>Dalton Transactions</i> , 2019 , 48, 8361-8374	4.3	13
182	Cobalt(II) Coordination Polymers Assembled from Unexplored Pyridine-Carboxylic Acids: Structural Diversity and Catalytic Oxidation of Alcohols. <i>Inorganic Chemistry</i> , 2019 , 58, 5875-5885	5.1	95
181	Tuning the Solid-State White Light Emission of Postsynthetic Lanthanide-Encapsulated Double-Layer MOFs for Three-Color Luminescent Thermometry Applications. <i>Inorganic Chemistry</i> , 2019 , 58, 4524-4533	5.1	57
180	Phosphonate Decomposition-Induced Polyoxomolybdate Dumbbell-Type Cluster Formation: Structural Analysis, Proton Conduction, and Catalytic Sulfoxide Reduction. <i>Inorganic Chemistry</i> , 2019 , 58, 11522-11533	5.1	4
179	Mild C-H functionalization of alkanes catalyzed by bioinspired copper(II) cores. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 7706-7714	3.9	12
178	Synthesis, Structural Features, and Catalytic Activity of an Iron(II) 3D Coordination Polymer Driven by an Ether-Bridged Pyridine-Dicarboxylate. <i>Crystals</i> , 2019 , 9, 369	2.3	2
177	New Microbe Killers: Self-Assembled Silver(I) Coordination Polymers Driven by a Cage-like Aminophosphine. <i>Materials</i> , 2019 , 12,	3.5	5

176	An Asymmetric Supercapacitor Based on a Non-Calcined 3D Pillared Cobalt(II) Metal-Organic Framework with Long Cyclic Stability. <i>Inorganic Chemistry</i> , 2019 , 58, 16100-16111	5.1	90
175	A 3D heterometallic Ni(II)/K(I) MOF with a rare rna topology: synthesis, structural features, and photocatalytic dye degradation modeling. <i>New Journal of Chemistry</i> , 2019 , 43, 17457-17465	3.6	10
174	Covalent Construction of Sustainable Hybrid UiO-66-NH ₂ @Tb-CP Material for Selective Removal of Dyes and Detection of Metal Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3203-3212	8.3	72
173	Extended lead(II) architectures engineered via tetrel bonding interactions. <i>New Journal of Chemistry</i> , 2018 , 42, 4959-4971	3.6	63
172	Computational study on the NHC-catalyzed synthesis of 2,3-disubstituted indoles: mechanism, key intermediate and the role of the catalyst. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 1356-1365	5.2	32
171	Unique Copper Organic Networks Self-Assembled from 1,3,5-Triaza-7-Phosphaadamantane and Its Oxide: Synthesis, Structural Features, and Magnetic and Catalytic Properties. <i>Crystal Growth and Design</i> , 2018 , 18, 2814-2823	3.5	11
170	A new multicomponent CDs/Ag@MgAl ₂ O ₄ /Ce-LDH nanocatalyst for highly efficient degradation of organic water pollutants. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4515-4524	13	50
169	Self-assembled 3D heterometallic Zn(II)/K(I) metal-organic framework with the fluorite topology. <i>Polyhedron</i> , 2018 , 142, 110-114	2.7	5
168	Bringing 5-(3,4-dicarboxylphenyl)picolinic acid to crystal engineering research: hydrothermal assembly, structural features, and photocatalytic activity of Mn, Ni, Cu, and Zn coordination polymers. <i>CrystEngComm</i> , 2018 , 20, 906-916	3.3	40
167	How Does the Catalyst Affect the Reaction Pathway? DFT Analysis of the Mechanism and Selectivity in the 1,6-Diyne Ester Cycloisomerization. <i>Organometallics</i> , 2018 , 37, 261-270	3.8	7
166	A new series of Co, Ni, Zn, and Cd metal-organic architectures driven by an unsymmetrical biphenyl-tricarboxylic acid: hydrothermal assembly, structural features and properties. <i>Dalton Transactions</i> , 2018 , 47, 7431-7444	4.3	20
165	Computational study on GaCl ₃ -mediated reactions of donor-acceptor cyclopropanes with aromatic aldehydes: mechanism and role of GaCl ₃ and aldehydes. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 1702-1712	5.2	8
164	New lanthanide 2D coordination polymers constructed from a flexible ether-bridged tricarboxylate block: Synthesis, structures and luminescence sensing. <i>Inorganica Chimica Acta</i> , 2018 , 469, 98-104	2.7	23
163	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
162	Multifunctional Aromatic Carboxylic Acids as Versatile Building Blocks for Hydrothermal Design of Coordination Polymers. <i>Crystals</i> , 2018 , 8, 83	2.3	73
161	A new series of Cd(ii) metal-organic architectures driven by soft ether-bridged tricarboxylate spacers: synthesis, structural and topological versatility, and photocatalytic properties. <i>Dalton Transactions</i> , 2018 , 47, 14327-14339	4.3	65
160	Three-Component Copper-Phosphonate-Auxiliary Ligand Systems: Proton Conductors and Efficient Catalysts in Mild Oxidative Functionalization of Cycloalkanes. <i>Inorganic Chemistry</i> , 2018 , 57, 10656-10666	5.1	15
159	Computational Study on Gold-Catalyzed Cascade Reactions of 1,4-Diynes and Pyrroles: Mechanism, Regioselectivity, Role of Catalyst, and Effects of Substituent and Solvent. <i>Organometallics</i> , 2018 , 37, 1927-1936	3.8	13

158	Multifunctional Ln-MOF Luminescent Probe for Efficient Sensing of Fe, Ce, and Acetone. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23976-23986	9.5	225
157	New Copper(II) Coordination Compounds Assembled from Multifunctional Pyridine-Carboxylate Blocks: Synthesis, Structures, and Catalytic Activity in Cycloalkane Oxidation. <i>Molecules</i> , 2018 , 24,	4.8	13
156	Novel double layer lanthanide metal-organic networks for sensing applications. <i>Dalton Transactions</i> , 2018 , 47, 465-474	4.3	12
155	A novel 2D coordination network built from hexacopper(I)-iodide clusters and cage-like aminophosphine blocks for reversible turn-on sensing of aniline. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1670-1678	7.1	74
154	Interplay between H-bonding and interpenetration in an aqueous copper(II)-aminoalcohol-pyromellitic acid system: self-assembly synthesis, structural features and catalysis. <i>Dalton Transactions</i> , 2018 , 47, 16674-16683	4.3	5
153	Extending the family of quinolone antibacterials to new copper derivatives: self-assembly, structural and topological features, catalytic and biological activity. <i>New Journal of Chemistry</i> , 2018 , 42, 19644-19658	3.6	6
152	New Topologically Unique Metal-Organic Architectures Driven by a Pyridine-Tricarboxylate Building Block. <i>Crystals</i> , 2018 , 8, 353	2.3	4
151	Hybrid Metal-Organic-Framework/Inorganic Nanocatalyst toward Highly Efficient Discoloration of Organic Dyes in Aqueous Medium. <i>Inorganic Chemistry</i> , 2018 , 57, 13270-13278	5.1	37
150	Synthesis, structural features, antibacterial behaviour and theoretical investigation of two new manganese(III) Schiff base complexes. <i>Polyhedron</i> , 2018 , 151, 407-416	2.7	6
149	Structural diversity of alkali metal coordination polymers driven by flexible biphenyl-4,4'-dioxydiacetic acid. <i>Journal of Solid State Chemistry</i> , 2018 , 265, 92-99	3.3	3
148	Mild oxidative C-H functionalization of alkanes and alcohols using a magnetic core-shell Fe ₃ O ₄ @mSiO ₂ @Cu ₄ nanocatalyst. <i>Journal of Molecular Catalysis A</i> , 2017 , 426, 343-349		19
147	Synthesis and crystal structures of three new lead(II) isonicotinoylhydrazone derivatives: Anion controlled nuclearity and dimensionality. <i>Inorganica Chimica Acta</i> , 2017 , 461, 192-205	2.7	26
146	A new Ce-doped MgAl-LDH@Au nanocatalyst for highly efficient reductive degradation of organic contaminants. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6716-6724	13	86
145	Introducing 2-(2-carboxyphenoxy)terephthalic acid as a new versatile building block for design of diverse coordination polymers: synthesis, structural features, luminescence sensing, and magnetism. <i>CrystEngComm</i> , 2017 , 19, 2570-2588	3.3	61
144	Self-Assembled Upconversion Nanoparticle Clusters for NIR-controlled Drug Release and Synergistic Therapy after Conjugation with Gold Nanoparticles. <i>Inorganic Chemistry</i> , 2017 , 56, 5295-5304	5.1	35
143	Polar protic solvent-trapping polymorphism of the Hg(II)-hydrazone coordination polymer: experimental and theoretical findings. <i>CrystEngComm</i> , 2017 , 19, 3017-3025	3.3	22
142	Exploring 4-(3-carboxyphenyl)picolinic acid as a semirigid building block for the hydrothermal self-assembly of diverse metal-organic and supramolecular networks. <i>CrystEngComm</i> , 2017 , 19, 117-128	3.3	12
141	An Efficient Blue-Emissive Metal-Organic Framework (MOF) for Lanthanide-Encapsulated Multicolor and Stimuli-Responsive Luminescence. <i>Inorganic Chemistry</i> , 2017 , 56, 6362-6370	5.1	89

140	Two manganese(II) coordination polymers driven by (iso)nicotinoyl-hydrazone blocks and pseudohalide ancillary ligands: syntheses, structural features, and magnetic properties. <i>Journal of Coordination Chemistry</i> , 2017 , 70, 1973-1983	1.6	4
139	Three-component 1D and 2D metal phosphonates: structural variability, topological analysis and catalytic hydrocarboxylation of alkanes. <i>RSC Advances</i> , 2017 , 7, 17788-17799	3.7	20
138	Self-assembly generation, structural features, and oxidation catalytic properties of new aqua-soluble copper(II)-aminoalcohol derivatives. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 968-977	6.8	2
137	Effect of Substituent on the Mechanism and Chemoselectivity of the Gold(I)-Catalyzed Propargyl Ester Tandem Cyclization. <i>Organometallics</i> , 2017 , 36, 1164-1172	3.8	22
136	New cadmium(II) and zinc(II) coordination polymers derived from a pyridine-hydrazone block: Self-assembly generation, structural and topological features, and theoretical analysis. <i>Inorganica Chimica Acta</i> , 2017 , 458, 68-76	2.7	11
135	Mixed-ligand aminoalcohol-dicarboxylate copper(II) coordination polymers as catalysts for the oxidative functionalization of cyclic alkanes and alkenes. <i>Pure and Applied Chemistry</i> , 2017 , 89, 61-73	2.1	8
134	Biosketch of Professor Georgiy B. Shul'bin. <i>Journal of Molecular Catalysis A</i> , 2017 , 426, 273-274		
133	New lanthanide(III) coordination polymers: synthesis, structural features, and catalytic activity in CO fixation. <i>Dalton Transactions</i> , 2017 , 46, 16426-16431	4.3	19
132	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
131	Hydrothermal assembly, structures, topologies, luminescence, and magnetism of a novel series of coordination polymers driven by a trifunctional nicotinic acid building block. <i>Dalton Transactions</i> , 2017 , 46, 10908-10925	4.3	81
130	Novel metal-organic and supramolecular 3D frameworks constructed from flexible biphenyl-2,5,3'-tricarboxylate blocks: Synthesis, structural features and properties. <i>Journal of Molecular Structure</i> , 2017 , 1145, 339-346	3.4	4
129	Combining ethylenediamine and ionic liquid functionalities within SBA-15: A promising catalytic pair for tandem CuAAC reaction. <i>Applied Catalysis A: General</i> , 2017 , 548, 96-102	5.1	32
128	Mild homogeneous oxidation and hydrocarboxylation of cycloalkanes catalyzed by novel dicopper(II) aminoalcohol-driven cores. <i>Journal of Molecular Catalysis A</i> , 2017 , 426, 357-367		22
127	A paper-based lanthanide smart device for acid/base vapour detection, anti-counterfeiting and logic operations. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1014-1020	6.8	36
126	Self-assembly synthesis, structure, topology, and magnetic properties of a mononuclear Fe(III)-violurate derivative: a combined experimental and theoretical study. <i>Dalton Transactions</i> , 2016 , 45, 16166-16172	4.3	15
125	Halide ion-driven self-assembly of Zn(II) compounds derived from an asymmetrical hydrazone building block: a combined experimental and theoretical study. <i>New Journal of Chemistry</i> , 2016 , 40, 10116-10126	3.6	11
124	Versatile rare-earth oxide nanocomposites: enhanced chemo/photothermal/photodynamic anticancer therapy and multimodal imaging. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 7832-7844	7.3	18
123	Hybrid materials based on novel 2D lanthanide coordination polymers covalently bonded to amine-modified SBA-15 and MCM-41: assembly, characterization, structural features, thermal and luminescence properties. <i>Dalton Transactions</i> , 2016 , 45, 18610-18621	4.3	17

122	2D lanthanide MOFs driven by a rigid 3,5-bis(3-carboxy-phenyl)pyridine building block: solvothermal syntheses, structural features, and photoluminescence and sensing properties. <i>CrystEngComm</i> , 2016 , 18, 6425-6436	3.3	71
121	Silver(I) 1,3,5-Triaza-7-phosphaadamantane Coordination Polymers Driven by Substituted Glutarate and Malonate Building Blocks: Self-Assembly Synthesis, Structural Features, and Antimicrobial Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 5886-94	5.1	86
120	Metal-organic and supramolecular networks driven by 5-chloronicotinic acid: Hydrothermal self-assembly synthesis, structural diversity, luminescent and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2016 , 241, 121-130	3.3	4
119	Two mixed-ligand cadmium(II) compounds bearing 5-nitrosopyrimidine and N-donor aromatic blocks: self-assembly generation, structural and topological features, DFT studies, and Hirshfeld surface analysis. <i>CrystEngComm</i> , 2016 , 18, 5647-5657	3.3	20
118	Inorganic-organic hybrid materials based on PbBr ₂ and pyridine-hydrazone blocks: structural and theoretical study. <i>RSC Advances</i> , 2016 , 6, 60385-60393	3.7	19
117	Bioactive Silver-Organic Networks Assembled from 1,3,5-Triaza-7-phosphaadamantane and Flexible Cyclohexanecarboxylate Blocks. <i>Inorganic Chemistry</i> , 2016 , 55, 1486-96	5.1	81
116	A multifunctional nanocomposite for luminescence resonance energy transfer-guided synergistic monitoring and therapy under single near infrared light. <i>Chemical Communications</i> , 2016 , 52, 4880-3	5.8	8
115	Self-assembly synthesis, structural features, reversible temperature-induced dehydration/hydration, and magnetic and luminescence properties of lanthanide(III) compounds derived from 5-fluoronicotinic acid. <i>CrystEngComm</i> , 2016 , 18, 2303-2311	3.3	6
114	New aqua-soluble dicopper(II) aminoalcoholate cores for mild and water-assisted catalytic oxidation of alkanes. <i>Catalysis Science and Technology</i> , 2016 , 6, 4584-4593	5.5	17
113	Copper(II) Coordination Polymers Self-Assembled from Aminoalcohols and Pyromellitic Acid: Highly Active Precatalysts for the Mild Water-Promoted Oxidation of Alkanes. <i>Inorganic Chemistry</i> , 2016 , 55, 125-35	5.1	73
112	Exploring biphenyl-2,4,4'-tricarboxylic acid as a flexible building block for the hydrothermal self-assembly of diverse metal-organic and supramolecular networks. <i>CrystEngComm</i> , 2016 , 18, 765-778	3.3	14
111	Photoluminescence enhancement induced by a halide anion encapsulation in a series of novel lanthanide(III) coordination polymers. <i>CrystEngComm</i> , 2016 , 18, 1190-1199	3.3	10
110	Two-photon sensitized hollow Gd ₂ O ₃ :Eu(3+) nanocomposites for real-time dual-mode imaging and monitoring of anticancer drug release. <i>Chemical Communications</i> , 2016 , 52, 1447-50	5.8	24
109	Nickel(II) and manganese(II) metal-organic networks driven by 2,2'-bipyridine-5,5'-dicarboxylate blocks: synthesis, structural features, and magnetic properties. <i>Transition Metal Chemistry</i> , 2016 , 41, 153-160	2.1	7
108	Tuning topological and dimensional versatility from 1D to 3D of Zn/Cd luminescent biphenyl-3,5-dicarboxylate coordination polymers by ancillary ligand. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 2200-2209	1.6	5
107	Structurally Distinct Metal-organic and H-Bonded Networks Derived from 5-(6-Carboxypyridin-3-yl)isophthalic Acid: Coordination and Template Effect of 4,4'-Bipyridine. <i>Crystal Growth and Design</i> , 2016 , 16, 4658-4670	3.5	78
106	Zinc(II) and lead(II) metal-organic networks driven by a multifunctional pyridine-carboxylate building block: Hydrothermal synthesis, structural and topological features, and luminescence properties. <i>Journal of Molecular Structure</i> , 2016 , 1120, 327-332	3.4	9
105	Metal-organic and supramolecular lead(II) networks assembled from isomeric nicotinoylhydrazone blocks: the effects of ligand geometry and counter-ion on topology and supramolecular assembly. <i>CrystEngComm</i> , 2016 , 18, 5375-5385	3.3	38

104	NIR light/H ₂ O ₂ -triggered nanocomposites for a highly efficient and selective synergistic photodynamic and photothermal therapy against hypoxic tumor cells. <i>Chemical Communications</i> , 2016 , 52, 7939-42	5.8	55
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1	Self-Assembled Multicopper Complexes and Coordination Polymers for Oxidation and Hydrocarboxylation of Alkanes		27-38 1