Alexander M Kirillov

List of Publications by Year
in descending order

235	10,222	15466 65	46693 89
papers	citations	h-index	g-index

241	241	241	6970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multifunctional Lnâ€“MOF Luminescent Probe for Efficient Sensing of Fe³⁺, Ce³⁺, and Acetone. ACS Applied Materials & Interfaces, 2018, 10, 23976-23986.	4.0	307
2	Multinuclear Copper Triethanolamine Complexes as Selective Catalysts for the Peroxidative Oxidation of Alkanes under Mild Conditions. Angewandte Chemie - International Edition, 2005, 44, 4345-4349.	7.2	248
3	Bimetallic metalâ€“organic frameworks and MOF-derived composites: Recent progress on electro- and photoelectrocatalytic applications. Coordination Chemistry Reviews, 2022, 451, 214264.	9.5	203
4	Multicopper complexes and coordination polymers for mild oxidative functionalization of alkanes. Coordination Chemistry Reviews, 2012, 256, 2741-2759.	9.5	191
5	A ratiometric fluorescent nanoprobe based on terbium functionalized carbon dots for highly sensitive detection of an anthrax biomarker. Chemical Communications, 2015, 51, 5036-5039.	2.2	191
6	Supramolecular Assemblies of Trinuclear Triangular Copper(II) Secondary Building Units through Hydrogen Bonds. Generation of Different Metalâ^'Organic Frameworks, Valuable Catalysts for Peroxidative Oxidation of Alkanes. Inorganic Chemistry, 2007, 46, 221-230.	1.9	188
7	Mild Peroxidative Oxidation of Cyclohexane Catalyzed by Mono-, Di-, Tri-, Tetra- and Polynuclear Copper Triethanolamine Complexes. Advanced Synthesis and Catalysis, 2006, 348, 159-174.	2.1	164
8	Hexamethylenetetramine: An old new building block for design of coordination polymers. Coordination Chemistry Reviews, 2011, 255, 1603-1622.	9.5	157
9	Pyrazinecarboxylic acid and analogs: Highly efficient co-catalysts in the metal-complex-catalyzed oxidation of organic compounds. Coordination Chemistry Reviews, 2013, 257, 732-754.	9.5	138
10	Remarkably fast oxidation of alkanes by hydrogen peroxide catalyzed by a tetracopper(II) triethanolaminate complex: Promoting effects of acid co-catalysts and water, kinetic and mechanistic features. Journal of Catalysis, 2009, 268, 26-38.	3.1	131
11	Cobalt(II) Coordination Polymers Assembled from Unexplored Pyridine-Carboxylic Acids: Structural Diversity and Catalytic Oxidation of Alcohols. Inorganic Chemistry, 2019, 58, 5875-5885.	1.9	120
12	An Aqua-Soluble Copper(II)â^'Sodium Two-Dimensional Coordination Polymer with Intercalated Infinite Chains of Decameric Water Clusters. Crystal Growth and Design, 2006, 6, 2200-2203.	1.4	118
13	Self-Assembled Copper(II) Coordination Polymers Derived from Aminopolyalcohols and Benzenepolycarboxylates:â€‰ Structural and Magnetic Properties. Inorganic Chemistry, 2008, 47, 162-175.	1.9	113
14	An Asymmetric Supercapacitor Based on a Non-Calcined 3D Pillared Cobalt(II) Metalâ€“Organic Framework with Long Cyclic Stability. Inorganic Chemistry, 2019, 58, 16100-16111.	1.9	111
15	A new Ce-doped MgAl-LDH@Au nanocatalyst for highly efficient reductive degradation of organic contaminants. Journal of Materials Chemistry A, 2017, 5, 6716-6724.	5.2	108
16	An unprecedented heterotrimetallic Fe/Cu/Co core for mild and highly efficient catalytic oxidation of cycloalkanes by hydrogen peroxide. Chemical Communications, 2006, , 4605.	2.2	106
17	Mono-, di- and polynuclear copper(II) compounds derived from N-butyldiethanolamine: structural features, magnetism and catalytic activity for the mild peroxidative oxidation of cyclohexane. Dalton Transactions, 2009, , 2109.	1.6	105
18	Simultaneous Presence of Open Metal Sites and Amine Groups on a 3D Dy(III)-Metalâ€“Organic Framework Catalyst for Mild and Solvent-Free Conversion of CO₂ to Cyclic Carbonates. Inorganic Chemistry, 2021, 60, 2056-2067.	1.9	105

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19	An Efficient Blue-Emissive Metalâ€“Organic Framework (MOF) for Lanthanide-Encapsulated Multicolor and Stimuli-Responsive Luminescence. Inorganic Chemistry, 2017, 56, 6362-6370.	1.9	104
20	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. Inorganic Chemistry, 2016, 55, 5886-5894.	1.9	100
21	Metalâ€“organic frameworks and derived materials as photocatalysts for water splitting and carbon dioxide reduction. Coordination Chemistry Reviews, 2022, 469, 214664.	9.5	100
22	Copper(II) coordination polymers derived from triethanolamine and pyromellitic acid for bioinspired mild peroxidative oxidation of cyclohexane. Journal of Inorganic Biochemistry, 2008, 102, 1190-1194.	1.5	98
23	Aliphatic Dicarboxylate Directed Assembly of Silver(I) 1,3,5-Triaza-7-phosphaadamantane Coordination Networks: Topological Versatility and Antimicrobial Activity. Crystal Growth and Design, 2014, 14, 5408-5417.	1.4	95
24	Bioactive Silverâ€“Organic Networks Assembled from 1,3,5-Triaza-7-phosphaadamantane and Flexible Cyclohexanecarboxylate Blocks. Inorganic Chemistry, 2016, 55, 1486-1496.	1.9	95
25	Hydrothermal assembly, structures, topologies, luminescence, and magnetism of a novel series of coordination polymers driven by a trifunctional nicotinic acid building block. Dalton Transactions, 2017, 46, 10908-10925.	1.6	95
26	Third-Order Nonlinear Optical Behavior of an Amide-Tricarboxylate Zinc(II) Metalâ€“Organic Framework with Two-Fold 3D+3D Interpenetration. Inorganic Chemistry, 2021, 60, 9700-9708.	1.9	95
27	Trimetallic metalâ€“organic frameworks and derived materials for environmental remediation and electrochemical energy storage and conversion. Coordination Chemistry Reviews, 2022, 461, 214505.	9.5	95
28	A Highly Stable Nanotubular MOF Rotator for Selective Adsorption of Benzene and Separation of Xylene Isomers. Inorganic Chemistry, 2015, 54, 10524-10526.	1.9	94
29	Multifunctional Aromatic Carboxylic Acids as Versatile Building Blocks for Hydrothermal Design of Coordination Polymers. Crystals, 2018, 8, 83.	1.0	94
30	Covalent Construction of Sustainable Hybrid UiO-66-NH₂@Tb-CP Material for Selective Removal of Dyes and Detection of Metal Ions. ACS Sustainable Chemistry and Engineering, 2019, 7, 3203-3212.	3.2	93
31	Single-Pot Ethane Carboxylation Catalyzed by New Oxorhenium(V) Complexes with N,O Ligands. Advanced Synthesis and Catalysis, 2005, 347, 1435-1446.	2.1	92
32	Selfâ€Assembled Twoâ€Dimensional Waterâ€Soluble Dipicolinate Cu/Na Coordination Polymer: Structural Features and Catalytic Activity for the Mild Peroxidative Oxidation of Cycloalkanes in Acidâ€Free Medium. European Journal of Inorganic Chemistry, 2008, 2008, 3423-3427.	1.0	92
33	Tuning the Solid-State White Light Emission of Postsynthetic Lanthanide-Encapsulated Double-Layer MOFs for Three-Color Luminescent Thermometry Applications. Inorganic Chemistry, 2019, 58, 4524-4533.	1.9	92
34	3D hydrogen bonded heteronuclear CoII, NiII, CuII and ZnII aqua complexes derived from dipicolinic acid. Inorganica Chimica Acta, 2007, 360, 506-512.	1.2	91
35	Structurally Distinct Metalâ€“Organic and H-Bonded Networks Derived from 5-(6-Carboxypyridin-3-yl)isophthalic Acid: Coordination and Template Effect of 4,4â€²-Bipyridine. Crystal Growth and Design, 2016, 16, 4658-4670.	1.4	89
36	Group 5â€“7 transition metal oxides as efficient catalysts for oxidative functionalization of alkanes under mild conditions. Journal of Catalysis, 2007, 248, 130-136.	3.1	88

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37	New silver BioMOFs driven by 1,3,5-triaza-7-phosphaadamantane-7-sulfide (PTAî€S): synthesis, topological analysis and antimicrobial activity. CrystEngComm, 2013, 15, 8060.	1.3	88
38	A new series of Cd(<scp>ii</scp>) metalâ€“organic architectures driven by soft ether-bridged tricarboxylate spacers: synthesis, structural and topological versatility, and photocatalytic properties. Dalton Transactions, 2018, 47, 14327-14339.	1.6	88
39	Alkanes to carboxylic acids in aqueous medium: metal-free and metal-promoted highly efficient and mild conversions. Chemical Communications, 2009, , 2353.	2.2	85
40	Mild homogeneous oxidation of alkanes and alcohols including glycerol with tert-butyl hydroperoxide catalyzed by a tetracopper(II) complex. Journal of Catalysis, 2010, 272, 9-17.	3.1	85
41	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. CrystEngComm, 2017, 19, 2570-2588.	1.3	85
42	A novel 2D coordination network built from hexacopper(<scp>i</scp>)-iodide clusters and cagelike aminophosphine blocks for reversible â€œturn-onâ€•sensing of aniline. Journal of Materials Chemistry C, 2018, 6, 1670-1678.	2.7	85
43	Mild aerobic oxidation of benzyl alcohols to benzaldehydes in water catalyzed by aqua-soluble multicopper(II) triethanolaminate compounds. Journal of Molecular Catalysis A, 2009, 305, 178-182.	4.8	84
44	Heterometallic Coordination Polymers Assembled from Trigonal Trinuclear Fe₂Ni-Pivalate Blocks and Polypyridine Spacers: Topological Diversity, Sorption, and Catalytic Properties. Inorganic Chemistry, 2015, 54, 5169-5181.	1.9	84
45	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. CrystEngComm, 2016, 18, 6425-6436.	1.3	84
46	Topologically Unique 2D Heterometallic Cu^{II}/Mg Coordination Polymer: Synthesis, Structural Features, and Catalytic Use in Alkane Hydrocarboxylation. Crystal Growth and Design, 2012, 12, 1069-1074.	1.4	81
47	New water-soluble polypyridine silver(i) derivatives of 1,3,5-triaza-7-phosphaadamantane (PTA) with significant antimicrobial and antiproliferative activities. Dalton Transactions, 2013, 42, 6572.	1.6	80
48	Topologically Unique Heterometallic Cu^{II}/Li Coordination Polymers Self-Assembled from N,N-bis(2-Hydroxyethyl)-2-aminoethanesulfonic Acid Biobuffer: Versatile Catalyst Precursors for Mild Hydrocarboxylation of Alkanes to Carboxylic Acids. Inorganic Chemistry, 2012, 51, 5224-5234.	1.9	79
49	A series of mixed-ligand 2D and 3D coordination polymers assembled from a novel multifunctional pyridine-tricarboxylate building block: hydrothermal syntheses, structural and topological diversity, and magnetic and luminescent properties. RSC Advances, 2015, 5, 78889-78901.	1.7	79
50	Bringing an â€œOldâ€•Biological Buffer to Coordination Chemistry: New 1D and 3D Coordination Polymers with [Cu₄(Hbes)₄] Cores for Mild Hydrocarboxylation of Alkanes. Inorganic Chemistry, 2010, 49, 6390-6392.	1.9	77
51	New Tetracopper(II) Cubane Cores Driven by a Diamino Alcohol: Self-assembly Synthesis, Structural and Topological Features, and Magnetic and Catalytic Oxidation Properties. Inorganic Chemistry, 2015, 54, 5204-5212.	1.9	77
52	Copper(II) Coordination Polymers Self-Assembled from Aminoalcohols and Pyromellitic Acid: Highly Active Precatalysts for the Mild Water-Promoted Oxidation of Alkanes. Inorganic Chemistry, 2016, 55, 125-135.	1.9	77
53	Alkali Metal Directed Assembly of Heterometallic V^v/M (M = Na, K, Cs) Coordination Polymers: Structures, Topological Analysis, and Oxidation Catalytic Properties. Inorganic Chemistry, 2013, 52, 8601-8611.	1.9	76
54	Self-Assembly Synthesis, Structural Features, and Photophysical Properties of Dilanthanide Complexes Derived from a Novel Amide Type Ligand: Energy Transfer from Tb(III) to Eu(III) in a Heterodinuclear Derivative. Inorganic Chemistry, 2014, 53, 935-942.	1.9	76

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55	Extended lead(<scp>ii</scp>) architectures engineered via tetrel bonding interactions. New Journal of Chemistry, 2018, 42, 4959-4971.	1.4	76
56	Metalâ€“Organic Architectures Assembled from Multifunctional Polycarboxylates: Hydrothermal Self-Assembly, Structures, and Catalytic Activity in Alkane Oxidation. Inorganic Chemistry, 2019, 58, 2403-2412.	1.9	76
57	A new multicomponent CDs/Ag@Mgâ€“Alâ€“Ce-LDH nanocatalyst for highly efficient degradation of organic water pollutants. Journal of Materials Chemistry A, 2018, 6, 4515-4524.	5.2	75
58	Self-Assembled 3D Heterometallic Cu^{II}/Fe^{II} Coordination Polymers with Octahedral Net Skeletons: Structural Features, Molecular Magnetism, Thermal and Oxidation Catalytic Properties. Inorganic Chemistry, 2010, 49, 11096-11105.	1.9	74
59	New tricopper(<scp>ii</scp>) cores self-assembled from aminoalcohol biobuffers and homophthalic acid: synthesis, structural and topological features, magnetic properties and mild catalytic oxidation of cyclic and linear C₅â€“C₈ alkanes. Inorganic Chemistry Frontiers, 2015, 2, 525-537.	3.0	74
60	Mild oxidative functionalization of alkanes and alcohols catalyzed by new mono- and dicopper(II) aminopolyalcoholates. Journal of Molecular Catalysis A, 2011, 350, 26-34.	4.8	72
61	Two Polymorphic Forms of a Six-Coordinate Mononuclear Cobalt(II) Complex with Easy-Plane Anisotropy: Structural Features, Theoretical Calculations, and Field-Induced Slow Relaxation of the Magnetization. Inorganic Chemistry, 2016, 55, 8502-8513.	1.9	72
62	Multicopper(II) Pyromellitate Compounds: Self-Assembly Synthesis, Structural Topologies, and Magnetic Features. Crystal Growth and Design, 2008, 8, 4100-4108.	1.4	70
63	1,3,5-Triaza-7-phosphaadamantane-7-oxide (PTAâ•O): New Diamondoid Building Block for Design of Three-Dimensional Metalâ€“Organic Frameworks. Crystal Growth and Design, 2011, 11, 2711-2716.	1.4	70
64	Copperâ€“organic frameworks assembled from in situ generated 5-(4-pyridyl)tetrazole building blocks: synthesis, structural features, topological analysis and catalytic oxidation of alcohols. Dalton Transactions, 2014, 43, 9944-9954.	1.6	70
65	Synthesis, structural versatility, luminescent and magnetic properties of a series of coordination polymers constructed from biphenyl-2,4,4â€²-tricarboxylate and different N-donor ligands. CrystEngComm, 2013, 15, 10287.	1.3	69
66	Identification of Hexameric Water and Hybrid Waterâ€“Chloride Clusters Intercalated in the Crystal Hosts of (Imidoylamidine)nickel(II) Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 4621-4627.	1.0	67
67	Self-assembled dicopper(ii) diethanolaminate cores for mild aerobic and peroxidative oxidation of alcohols. Dalton Transactions, 2010, 39, 9879.	1.6	67
68	Homogeneous Multicopper Catalysts for Oxidation and Hydrocarboxylation of Alkanes. Advances in Inorganic Chemistry, 2013, , 1-31.	0.4	67
69	Engineering Coordination and Supramolecular Copperâ”Organic Networks by Aqueous Medium Self-Assembly with 1,3,5-Triaza-7-phosphaadamantane (PTA). Crystal Growth and Design, 2009, 9, 3006-3010.	1.4	66
70	3D hydrogen bonded metal-organic frameworks constructed from [M(H2O)6][Mâ€²(dipicolinate)2]Â·mH2O (M/Mâ€²= Zn/Ni or Ni/Ni). Identification of intercalated acyclic (H2O)6/(H2O)10 clusters. Inorganica Chimica Acta, 2008, 361, 1728-1737.	1.2	65
71	Cageâ€like Copper(II) Silsesquioxanes: Transmetalation Reactions and Structural, Quantum Chemical, and Catalytic Studies. Chemistry - A European Journal, 2015, 21, 8758-8770.	1.7	65
72	NIR light/H₂O₂-triggered nanocomposites for a highly efficient and selective synergistic photodynamic and photothermal therapy against hypoxic tumor cells. Chemical Communications, 2016, 52, 7939-7942.	2.2	64

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73	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. CrystEngComm, 2018, 20, 906-916.	1.3	64
74	The First Copper Complexes Bearing the 1,3,5-Triaza-7-phosphaadamantane (PTA) Ligand. European Journal of Inorganic Chemistry, 2007, 2007, 2686-2692.	1.0	62
75	Metalâ€Free and Copperâ€Promoted Singleâ€Pot Hydrocarboxylation of Cycloalkanes to Carboxylic Acids in Aqueous Medium. Advanced Synthesis and Catalysis, 2009, 351, 2936-2948.	2.1	62
76	Mild, Singleâ€Pot Hydrocarboxylation of Gaseous Alkanes to Carboxylic Acids in Metalâ€Free and Copperâ€Promoted Aqueous Systems. Chemistry - A European Journal, 2010, 16, 9485-9493.	1.7	61
77	Heteronuclear iron(III)â€“chromium(III) hydroxo complexes and hydroxides, and their catalytic activity towards peroxidative oxidation of alkanes. Journal of Molecular Catalysis A, 2003, 206, 163-178.	4.8	60
78	An Infinite Two-Dimensional Hybrid Waterâ^'Chloride Network, Self-Assembled in a Hydrophobic Terpyridine Iron(II) Matrix. Crystal Growth and Design, 2008, 8, 782-785.	1.4	57
79	Instantaneous Sonophotocatalytic Degradation of Tetracycline over NU-1000@ZnIn₂S₄ Coreâ€“Shell Nanorods as a Robust and Eco-friendly Catalyst. Inorganic Chemistry, 2021, 60, 9660-9672.	1.9	57
80	Unsymmetrical Niiâ€“Imidoylamidine Complexes Derived from a Novel Oxime-Mediated Single-Pot Reaction of Nitriles. Chemistry - A European Journal, 2007, 13, 786-791.	1.7	52
81	Hybrid Metalâ€“Organic-Framework/Inorganic Nanocatalyst toward Highly Efficient Discoloration of Organic Dyes in Aqueous Medium. Inorganic Chemistry, 2018, 57, 13270-13278.	1.9	51
82	A paper-based lanthanide smart device for acidâ€“base vapour detection, anti-counterfeiting and logic operations. Inorganic Chemistry Frontiers, 2016, 3, 1014-1020.	3.0	50
83	Quick removal of metronidazole from aqueous solutions using metalâ€“organic frameworks. New Journal of Chemistry, 2022, 46, 9440-9450.	1.4	50
84	Silver(I) Coordination Polymers Immobilized into Biopolymer Films for Antimicrobial Applications. ACS Applied Materials & Interfaces, 2021, 13, 12836-12844.	4.0	49
85	Preparation and Crystal Structures of Benzoylhydrazido- and-diazenidorhenium Complexes with N,O-Ligands and Their Catalytic Activity Towards Peroxidative Oxidation of Cycloalkanes. European Journal of Inorganic Chemistry, 2005, 2005, 2071-2080.	1.0	47
86	Heterometallic Copper(II)â€“Potassium 3D Coordination Polymers Driven by Multifunctionalized Azo Derivatives of Î²-Diketones. Crystal Growth and Design, 2011, 11, 4247-4252.	1.4	47
87	Non-Calcined Layer-Pillared Mn_{0.5}Zn_{0.5} Bimetallicâ€“Organic Framework as a Promising Electrocatalyst for Oxygen Evolution Reaction. Inorganic Chemistry, 2022, 61, 9514-9522.	1.9	47
88	Self-Assembled Upconversion Nanoparticle Clusters for NIR-controlled Drug Release and Synergistic Therapy after Conjugation with Gold Nanoparticles. Inorganic Chemistry, 2017, 56, 5295-5304.	1.9	45
89	Unprecedented Metal-Free C(sp3)â^'C(sp3) Bond Cleavage: Switching from N-Alkyl- to N-Methyl-1,3,5-triaza-7-phosphaadamantane. Organometallics, 2009, 28, 1683-1687.	1.1	43
90	Topological Diversity of Supramolecular Networks Constructed from Copper(II) Aminoalcohol Blocks and 2,6-Naphthalenedicarboxylate Linkers: Self-Assembly Synthesis, Structural Features, and Magnetic Properties. Crystal Growth and Design, 2014, 14, 3398-3407.	1.4	43

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91	Combining ethylenediamine and ionic liquid functionalities within SBA-15: A promising catalytic pair for tandem Cuâ€“AAC reaction. Applied Catalysis A: General, 2017, 548, 96-102.	2.2	42
92	Antiviral, Antibacterial, Antifungal, and Cytotoxic Silver(I) BioMOF Assembled from 1,3,5-Triaza-7-Phoshaadamantane and Pyromellitic Acid. Molecules, 2020, 25, 2119.	1.7	42
93	Extending the Coordination Chemistry of 1,3,5-Triaza-7-phosphaadamantane (PTA) to Cobalt Centers: First Examples of Co-PTA Complexes and of a Metal Complex with the PTA Oxide Ligand. Inorganic Chemistry, 2008, 47, 2922-2924.	1.9	40
94	Discrete 0D and polymeric 2D and 3D derivatives assembled from [(CuL)2Zn]2+ and dicyanamide blocks (H2L = salen type Schiff bases): Genuine supramolecular isomers with distinct topologies. CrystEngComm, 2014, 16, 3029.	1.3	40
95	Metalâ€“organic and supramolecular lead(<scp>ii</scp>) networks assembled from isomeric nicotinoylhydrazone blocks: the effects of ligand geometry and counter-ion on topology and supramolecular assembly. CrystEngComm, 2016, 18, 5375-5385.	1.3	40
96	Synthesis and crystal structures of three new lead(II) isonicotinoylhydrazone derivatives: Anion controlled nuclearity and dimensionality. Inorganica Chimica Acta, 2017, 461, 192-205.	1.2	40
97	New Fe^{II} and Cu^{II} Complexes Bearing Azathia Macrocycles â€“ Catalyst Precursors for Mild Peroxidative Oxidation of Cyclohexane and 1â€Phenylethanol. European Journal of Inorganic Chemistry, 2011, 2011, 3781-3790.	1.0	37
98	Computational study on the NHC-catalyzed synthesis of 2,3-disubstituted indoles: mechanism, key intermediate and the role of the catalyst. Organic Chemistry Frontiers, 2018, 5, 1356-1365.	2.3	37
99	Disruption of â€œCoordination Polymerâ€•Architecture in Cu²⁺ Bis-Phosphonates and Carboxyphosphonates by Use of 2,2â€²-Bipyridine as Auxiliary Ligand: Structural Variability and Topological Analysis. Crystal Growth and Design, 2013, 13, 4480-4489.	1.4	32
100	Copper(I) Iodide Complexes Derived fromN-Alkyl-1,3,5-triaza-7-phosphaadamantanes: Synthesis, Crystal Structures, Photoluminescence, and Identification of the Unprecedented {Cu₃I₅}^{2â^’}Cluster. Organometallics, 2009, 28, 6425-6431.	1.1	31
101	Enhanced Separation of Potassium Ions by Spontaneous K⁺â€Induced Selfâ€Assembly of a Novel Metalâ€“Organic Framework and Excess Specific Cationâ€“Ï€ Interactions. Angewandte Chemie - International Edition, 2014, 53, 10649-10653.	7.2	31
102	1,3,5â€Triazapentadiene Nickel(II) Complexes Derived from a Ketoximeâ€Mediated Singleâ€Pot Transformation of Nitriles. European Journal of Inorganic Chemistry, 2010, 2010, 2425-2432.	1.0	30
103	Design of Silver(I)â^’PTA Coordination Polymers through Controlled N,P-Coordination of 1,3,5-Triaza-7-phosphaadamantane (PTA) with Arylcarboxylates. Crystal Growth and Design, 2010, 10, 5244-5253.	1.4	29
104	Unique Mixed-Valence Cu(I)/Cu(II) Coordination Polymer with New Topology of Bitubular 1D Chains Driven by 1,3,5-Triaza-7-phosphaadamantane (PTA). Crystal Growth and Design, 2012, 12, 5852-5857.	1.4	29
105	Two-photon sensitized hollow Gd₂O₃:Eu³⁺nanocomposites for real-time dual-mode imaging and monitoring of anticancer drug release. Chemical Communications, 2016, 52, 1447-1450.	2.2	28
106	New lanthanide(<scp>iii</scp>) coordination polymers: synthesis, structural features, and catalytic activity in CO₂ fixation. Dalton Transactions, 2017, 46, 16426-16431.	1.6	28
107	Crystal engineering with 1,3,5-triaza-7-phosphaadamantane (PTA): first PTA-driven 3D metalâ€“organic frameworks. CrystEngComm, 2011, 13, 6329.	1.3	27
108	Polar protic solvent-trapping polymorphism of the Hg^{II}-hydrazone coordination polymer: experimental and theoretical findings. CrystEngComm, 2017, 19, 3017-3025.	1.3	27

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109	New lanthanide 2D coordination polymers constructed from a flexible ether-bridged tricarboxylate block: Synthesis, structures and luminescence sensing. Inorganica Chimica Acta, 2018, 469, 98-104.	1.2	26
110	New Copper(II) Coordination Compounds Assembled from Multifunctional Pyridine-Carboxylate Blocks: Synthesis, Structures, and Catalytic Activity in Cycloalkane Oxidation. Molecules, 2019, 24, 6.	1.7	26
111	Epoxy Functional Composites Based on Lanthanide Metalâ€“Organic Frameworks for Luminescent Polymer Materials. ACS Applied Materials & Interfaces, 2021, 13, 7625-7634.	4.0	26
112	New diamondoid-like [Cu3B(Î¼-O)6] core self-assembled from Bis-Tris biobuffer for mild hydrocarboxylation of alkanes to carboxylic acids. Dalton Transactions, 2011, 40, 6378.	1.6	25
113	A variety of metalâ€“organic and supramolecular networks constructed from a new flexible multifunctional building block bearing picolinate and terephthalate functionalities: hydrothermal self-assembly, structural features, magnetic and luminescent properties. RSC Advances, 2015, 5, 87484-87495.	1.7	25
114	Inorganicâ€“organic hybrid materials based on PbBr₂and pyridineâ€“hydrazone blocks â€“ structural and theoretical study. RSC Advances, 2016, 6, 60385-60393.	1.7	24
115	Unusual shift of a nitro group in a phenylhydrazo-Î²-diketone. Dalton Transactions, 2011, 40, 12472.	1.6	23
116	Two mixed-ligand cadmium(<scp>ii</scp>) compounds bearing 5-nitrosopyrimidine and N-donor aromatic blocks: self-assembly generation, structural and topological features, DFT studies, and Hirshfeld surface analysis. CrystEngComm, 2016, 18, 5647-5657.	1.3	23
117	A new series of Co, Ni, Zn, and Cd metalâ€“organic architectures driven by an unsymmetrical biphenyl-tricarboxylic acid: hydrothermal assembly, structural features and properties. Dalton Transactions, 2018, 47, 7431-7444.	1.6	23
118	Structural Systematics and Topological Analysis of Coordination Polymers with Divalent Metals and a Glycine-Derived Tripodal Phosphonocarboxylate. Crystal Growth and Design, 2014, 14, 5234-5243.	1.4	22
119	Nickel(II) complexes self-assembled from hexamethylenetetramine and isomeric nitrobenzoates: Structural diversity and supramolecular features. Polyhedron, 2014, 79, 66-71.	1.0	22
120	Versatile rare-earth oxide nanocomposites: enhanced chemo/photothermal/photodynamic anticancer therapy and multimodal imaging. Journal of Materials Chemistry B, 2016, 4, 7832-7844.	2.9	22
121	Effect of Substituent on the Mechanism and Chemoselectivity of the Gold(I)-Catalyzed Propargyl Ester Tandem Cyclization. Organometallics, 2017, 36, 1164-1172.	1.1	22
122	Mild homogeneous oxidation and hydrocarboxylation of cycloalkanes catalyzed by novel dicopper(II) aminoalcohol-driven cores. Journal of Molecular Catalysis A, 2017, 426, 357-367.	4.8	22
123	Carbocation versus Carbene Controlled Chemoselectivity: DFT Study on Gold- and Silver-Catalyzed Alkylation/Cyclopropanation of Indoles with Vinyl Diazoesters. Organic Letters, 2020, 22, 4043-4048.	2.4	22
124	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. Dalton Transactions, 2016, 45, 18610-18621.	1.6	21
125	Three-component 1D and 2D metal phosphonates: structural variability, topological analysis and catalytic hydrocarboxylation of alkanes. RSC Advances, 2017, 7, 17788-17799.	1.7	21
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