Dohyun Moon

List of Publications by Year in descending order

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213	5,881	76326	91884
papers	citations	40 h-index	69 g-index

216	216	216	6587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dry reforming of methane by stable Niâ€“Mo nanocatalysts on single-crystalline MgO. Science, 2020, 367, 777-781.	12.6	372
2	Indole-Based Macrocycles as a Class of Receptors for Anions. Angewandte Chemie - International Edition, 2005, 44, 7926-7929.	13.8	262
3	Diamine-functionalized metalâ€“organic framework: exceptionally high CO₂capacities from ambient air and flue gas, ultrafast CO₂uptake rate, and adsorption mechanism. Energy and Environmental Science, 2014, 7, 744-751.	30.8	260
4	CO ₂ capture from humid flue gases and humid atmosphere using a microporous coppersilicate. Science, 2015, 350, 302-306.	12.6	203
5	Luminescent Li-Based Metalâ€“Organic Framework Tailored for the Selective Detection of Explosive Nitroaromatic Compounds: Direct Observation of Interaction Sites. Inorganic Chemistry, 2013, 52, 589-595.	4.0	200
6	BL2D-SMC, the supramolecular crystallography beamline at the Pohang Light Source II, Korea. Journal of Synchrotron Radiation, 2016, 23, 369-373.	2.4	177
7	Capture of iodine and organic iodides using silica zeolites and the semiconductor behaviour of iodine in a silica zeolite. Energy and Environmental Science, 2016, 9, 1050-1062.	30.8	166
8	Face-Driven Corner-Linked Octahedral Nanocages:Â M6L8Cages Formed byC3-Symmetric Triangular Facial Ligands Linked viaC4-Symmetric Square Tetratopic PdIIIons at Truncated Octahedron Corners. Journal of the American Chemical Society, 2006, 128, 3530-3531.	13.7	164
9	Porphyrin Boxes: Rationally Designed Porous Organic Cages. Angewandte Chemie - International Edition, 2015, 54, 13241-13244.	13.8	161
10	Exceptional CO₂ working capacity in a heterodiamine-grafted metalâ€“organic framework. Chemical Science, 2015, 6, 3697-3705.	7.4	127
11	Self-Reversible Mechanochromism and Thermochromism of a Triphenylamine-Based Molecule: Tunable Fluorescence and Nanofabrication Studies. Journal of Physical Chemistry C, 2015, 119, 9460-9469.	3.1	109
12	Halochromic Isoquinoline with Mechanochromic Triphenylamine: Smart Fluorescent Material for Rewritable and Self-Erasable Fluorescent Platform. ACS Applied Materials & Interfaces, 2016, 8, 33034-33042.	8.0	103
13	Characterization of Vinylgold Intermediates: Goldâ€Mediated Cyclization of Acetylenic Amides. Angewandte Chemie - International Edition, 2011, 50, 11446-11450.	13.8	92
14	Fineâ€Tuning of the Carbon Dioxide Capture Capability of Diamineâ€Grafted Metalâ€“Organic Framework Adsorbents Through Amine Functionalization. ChemSusChem, 2017, 10, 541-550.	6.8	88
15	Exploration of Gate-Opening and Breathing Phenomena in a Tailored Flexible Metalâ€“Organic Framework. Inorganic Chemistry, 2016, 55, 1920-1925.	4.0	81
16	Reversible fluorescence switching and topochemical conversion in an organic AEE material: polymorphism, defection and nanofabrication mediated fluorescence tuning. Journal of Materials Chemistry C, 2015, 3, 8381-8388.	5.5	78
17	A Hydrogenâ€Bonded Organic Framework (HOF) with Typeâ€…IV NH₃Adsorption Behavior. Angewandte Chemie - International Edition, 2019, 58, 16152-16155.	13.8	77
18	Coordinative Reduction of Metal Nodes Enhances the Hydrolytic Stability of a Paddlewheel Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 7853-7864.	13.7	76

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19	Homodiamine-functionalized metalâ€“organic frameworks with a MOF-74-type extended structure for superior selectivity of CO₂ over N₂. Journal of Materials Chemistry A, 2015, 3, 19177-19185.	10.3	75
20	Molecular Engineering of Triphenylamine Based Aggregation Enhanced Emissive Fluorophore: Structure-Dependent Mechanochromism and Self-Reversible Fluorescence Switching. Crystal Growth and Design, 2017, 17, 146-155.	3.0	75
21	Steric Control of a Bridging Ligand for High-Nuclearity Metallamacrocycle Formation:â€‰ A Highly Puckered 60-Membered Icosanuclear Metalladiazamacrocycle. Inorganic Chemistry, 2006, 45, 7991-7993.	4.0	74
22	Rational design of a robust aluminum metal-organic framework for multi-purpose water-sorption-driven heat allocations. Nature Communications, 2020, 11, 5112.	12.8	68
23	Porous Metalâ€“Organic Frameworks Based on Metalâ€“Organic Polyhedra with Nanosized Cavities as Supramolecular Building Blocks:â€‰ Two-Fold Interpenetrating Primitive Cubic Networks of [Cu6L8]12+ Nanocages. Inorganic Chemistry, 2007, 46, 10208-10213.	4.0	67
24	A Chiral Pentadecanuclear Metallamacrocycle with a Sextuple Twisted MÃ¶bius Topology. Journal of the American Chemical Society, 2007, 129, 14142-14143.	13.7	65
25	High mobility organic single crystal transistors based on soluble triisopropylsilylethynyl anthracene derivatives. Journal of Materials Chemistry, 2010, 20, 524-530.	6.7	65
26	Three-Dimensional Helical Coordination Networks of a Hexanuclear Manganese Metallamacrocycle as a Helical Tecton. Inorganic Chemistry, 2004, 43, 8230-8232.	4.0	60
27	Rational Design and Construction of Hierarchical Superstructures Using Shape-Persistent Organic Cages: Porphyrin Box-Based Metallosupramolecular Assemblies. Journal of the American Chemical Society, 2018, 140, 14547-14551.	13.7	59
28	Metalâ€“Organic Frameworks Based on Unprecedented Trinuclear and Pentanuclear Metalâ€“Tetrazole Clusters as Secondary Building Units. Inorganic Chemistry, 2011, 50, 12133-12140.	4.0	57
29	New Zr (IV) based metal-organic framework comprising a sulfur-containing ligand: Enhancement of CO2 and H2 storage capacity. Microporous and Mesoporous Materials, 2015, 215, 116-122.	4.4	56
30	Two distinct anion-binding modes and their relative stabilities. Chemical Communications, 2007, , 3401.	4.1	53
31	TiO2/RbPbI3 halide perovskite solar cells. Solar Energy Materials and Solar Cells, 2017, 172, 44-54.	6.2	53
32	A diamine-grafted metalâ€“organic framework with outstanding CO₂ capture properties and a facile coating approach for imparting exceptional moisture stability. Journal of Materials Chemistry A, 2019, 7, 8177-8183.	10.3	52
33	Size and Shape Selectivity of Host Networks Built Based on Tunable Secondary Building Units. Inorganic Chemistry, 2005, 44, 1934-1940.	4.0	51
34	Encapsulation of a guest molecule in a strained form: an extended 36-membered dodecanuclear manganese metallamacrocycle that accommodates a cyclooctane in the S4 symmetry conformation. Chemical Communications, 2006, , 3699.	4.1	48
35	Novel 48-Membered Hexadecanuclear and 60-Membered Icosanuclear Manganese Metallamacrocycles. Inorganic Chemistry, 2008, 47, 8807-8812.	4.0	48
36	Cyclic dipeptides from lactic acid bacteria inhibit the proliferation of pathogenic fungi. Journal of Microbiology, 2014, 52, 64-70.	2.8	48

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37	An unprecedented twofold interpenetrating (3,4)-connected 3-D metalâ€“organic framework. Chemical Communications, 2007, , 1707-1709.	4.1	45
38	Threeâ€Component Selfâ€Assembly of a Series of Triply Interlocked Pd₁₂ Coordination Prisms and Their Nonâ€Interlocked Pd₆ Analogues. Chemistry - A European Journal, 2012, 18, 3199-3209.	3.3	45
39	Synthesis of a Zr-Based Metalâ€“Organic Framework with Spirobifluorenetetrabenzoic Acid for the Effective Removal of Nerve Agent Simulants. Inorganic Chemistry, 2017, 56, 12098-12101.	4.0	44
40	Diamineâ€Functionalization of a Metalâ€“Organic Framework Adsorbent for Superb Carbon Dioxide Adsorption and Desorption Properties. ChemSusChem, 2018, 11, 1694-1707.	6.8	40
41	Combinational Synthetic Approaches for Isoreticular and Polymorphic Metalâ€“Organic Frameworks with Tuned Pore Geometries and Surface Properties. Chemistry of Materials, 2014, 26, 1711-1719.	6.7	38
42	Palladium-Catalyzed Asymmetric Nitrogen-Selective Addition Reaction of Indoles to Alkoxyallenes. Organic Letters, 2018, 20, 1248-1251.	4.6	36
43	Drastic Modulation of Stimuli-Responsive Fluorescence by a Subtle Structural Change of Organic Fluorophore and Polymorphism Controlled Mechanofluorochromism. Crystal Growth and Design, 2018, 18, 3971-3979.	3.0	36
44	Aggregation Induced Emission of Excited-State Intramolecular Proton Transfer Compounds: Nanofabrication Mediated White Light Emitting Nanoparticles. Crystal Growth and Design, 2016, 16, 3400-3408.	3.0	34
45	Steric control of the nuclearity of metallamacrocycles: formation of a hexanuclear gallium metalladiazamacrocycle and a hexadecanuclear manganese metalladiazamacrocycle. Dalton Transactions, 2008, , 131-136.	3.3	32
46	Luminescent Metalâ€“Organic Framework Sensor: Exceptional Cd²⁺ Turnâ€On Detection and First In Situ Visualization of Cd²⁺ Ion Diffusion into a Crystal. Chemistry - A European Journal, 2017, 23, 4803-4809.	3.3	32
47	Adsorption of Carbon Dioxide on Unsaturated Metal Sites in M₂(dobpdc) Frameworks with Exceptional Structural Stability and Relation between Lewis Acidity and Adsorption Enthalpy. Chemistry - A European Journal, 2016, 22, 7444-7451.	3.3	30
48	Synthesis of tunable, red fluorescent aggregation-enhanced emissive organic fluorophores: stimuli-responsive high contrast offâ€“on fluorescence switching. CrystEngComm, 2018, 20, 643-651.	2.6	29
49	Three-dimensional iron(<scp>ii</scp>) porous coordination polymer exhibiting carbon dioxide-dependent spin crossover. Chemical Communications, 2018, 54, 4262-4265.	4.1	29
50	Metalladiazamacrocycles: Metallamacrocycles as Potential Supramolecular Host System for Small Organic Guest Molecules and Supramolecular Building Blocks for Metal Organic Frameworks. Supramolecular Chemistry, 2007, 19, 295-308.	1.2	27
51	High-temperature in situ crystallographic observation of reversible gas sorption in impermeable organic cages. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14156-14161.	7.1	27
52	Crystal-to-Crystal Transformations of a Series of Isostructural Metalâ€“Organic Frameworks with Different Sizes of Ligated Solvent Molecules. Inorganic Chemistry, 2013, 52, 3891-3899.	4.0	26
53	Synthesis, crystal structure and spectroscopic properties of trans-difluoro(1,4,7,11-tetraazaundecane)chromium(III) perchlorate. Journal of Molecular Structure, 2014, 1059, 325-331.	3.6	26
54	Aggregation-enhanced emissive mechanofluorochromic carbazole-halogen positional isomers: tunable fluorescence via conformational polymorphism and crystallization-induced fluorescence switching. CrystEngComm, 2019, 21, 6604-6612.	2.6	26

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55	Two octanuclear gallium metallamacrocycles of topologically different connectivities. Dalton Transactions, 2007, , 5412.	3.3	25
56	Arene ruthenium(<scp>ii</scp>) complexes with chalcone, aminoantipyrine and aminopyrimidine based ligands: synthesis, structure and preliminary evaluation of anti-leukemia activity. RSC Advances, 2016, 6, 90982-90992.	3.6	25
57	Metalâ€“Organic Frameworks from Group 4 Metals and 2,5-Dihydroxyterephthalic Acid: Reinvestigation, New Structure, and Challenges Toward Gas Storage and Separation. Crystal Growth and Design, 2017, 17, 2140-2146.	3.0	25
58	Bistable and Porous Metalâ€“Organic Frameworks with Charge-Neutral acs Net Based on Heterometallic M3O(CO2)6 Building Blocks. Crystal Growth and Design, 2013, 13, 4066-4070.	3.0	23
59	Coordination self-assembly of tetranuclear Pt(ii) macrocycles with an organometallic backbone for sensing of acyclic dicarboxylic acids. Dalton Transactions, 2013, 42, 2998-3008.	3.3	23
60	Self-reversible thermofluorochromism of Dâ€“Aâ€“D triphenylamine derivatives and the effect of molecular conformation and packing. CrystEngComm, 2017, 19, 6979-6985.	2.6	23
61	Halogen Atom and Position Dependent Strong Enhancement of Solidâ€State Fluorescence and Stimuli Responsive Reversible Fluorescence Switching. ChemistrySelect, 2019, 4, 3884-3890.	1.5	23
62	Microscopic and Mesoscopic Dual Postsynthetic Modifications of Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2020, 59, 13793-13799.	13.8	23
63	Molecular structure controlled self-assembly of pyridine appended fluorophores: multi-stimuli fluorescence responses and fabricating rewritable/self-erasable fluorescent platforms. Materials Advances, 2021, 2, 996-1005.	5.4	23
64	A 2D Layered Metalâ€“Organic Framework Constructed by Using a Hexanuclear Manganese Metallamacrocycle as a Supramolecular Building Block. European Journal of Inorganic Chemistry, 2008, 2008, 5465-5470.	2.0	22
65	A metalâ€“organic framework based on an unprecedented nonanuclear cluster as a secondary building unit: structure and gas sorption behavior. Chemical Communications, 2009, , 2026.	4.1	22
66	2D Layered metalâ€“organic frameworks built using a hexanuclear metallamacrocycle and an octanuclear metallamacrocycle as supramolecular building blocks. CrystEngComm, 2009, 11, 770.	2.6	22
67	Helically Foldable Diphenylureas as Anion Receptors: Modulation of the Binding Affinity by the Chain Length. Organic Letters, 2012, 14, 5042-5045.	4.6	22
68	Metalâ€“organic frameworks constructed from flexible ditopic ligands: conformational diversity of an aliphatic ligand. New Journal of Chemistry, 2013, 37, 4130.	2.8	22
69	Symmetry-guided syntheses of mixed-linker Zr metalâ€“organic frameworks with precise linker locations. Chemical Science, 2019, 10, 5801-5806.	7.4	22
70	Temperature-Controlled Locally Excited and Twisted Intramolecular Charge-Transfer State-Dependent Fluorescence Switching in Triphenylamineâ€“Benzothiazole Derivatives. ACS Omega, 2019, 4, 5147-5154.	3.5	22
71	A Convergent Synthetic Strategy towards Oligosaccharides containing 2,3,6â€Trideoxypyranoglycosides. Angewandte Chemie - International Edition, 2019, 58, 628-631.	13.8	22
72	Crystal-Size Effects on Carbon Dioxide Capture of a Covalently Alkylamine-Tethered Metal-Organic Framework Constructed by a One-Step Self-Assembly. Scientific Reports, 2016, 6, 19337.	3.3	21

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73	Copper coordination polymer electrocatalyst for strong hydrogen evolution reaction activity in neutral medium: influence of coordination environment and network structure. Catalysis Science and Technology, 2019, 9, 4347-4354.	4.1	21
74	Homochiral 3D metalâ€“organic frameworks from chiral 1D rods: 6-way helical packing. Chemical Communications, 2011, 47, 9402.	4.1	20
75	Crystallization-induced reversible fluorescence switching of alkyl chain length dependent thermally stable supercooled organic fluorescent liquids. CrystEngComm, 2017, 19, 6489-6497.	2.6	20
76	Tunable and Switchable Solid State Fluorescence: Alkyl Chain Lengthâ€Dependent Molecular Conformation and Selfâ€Reversible Thermochromism. ChemistrySelect, 2017, 2, 7799-7807.	1.5	19
77	Synthesis, conformational structure and spectroscopic properties of trans-diazidobis(2,2-dimethyl-1,3-propanediamine)chromium(III) perchlorate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 774-779.	3.9	18
78	Stimuli responsive reversible high contrast offâ€“on fluorescence switching of simple aryl-ether amine based aggregation-induced enhanced emission materials. RSC Advances, 2015, 5, 98618-98625.	3.6	18
79	Excited state intramolecular proton transfer induced fluorescence in triphenylamine molecule: Role of structural conformation and reversible mechanofluorochromism. Journal of Molecular Structure, 2018, 1169, 1-8.	3.6	18
80	Topology Conversions of Non-Interpenetrated Metalâ€“Organic Frameworks to Doubly Interpenetrated Metalâ€“Organic Frameworks. Chemistry of Materials, 2017, 29, 3899-3907.	6.7	17
81	Molecular structure, spectroscopic properties, and Hirshfeld surface analysis of chlorobis(N-methyl-1,3-propanediamine)copper(II) tetrafluoroborate and azidobis(2,2-dimethyl-1,3-propanediamine)copper(II) azide. Journal of Molecular Structure, 2018, 1154, 338-347.	3.6	16
82	Discriminative Molecular Detection Based on Competitive Absorption by a Luminescent Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2018, 10, 40372-40377.	8.0	16
83	Tuning of the flexibility in metalâ€“organic frameworks based on pendant arm macrocycles. Chemical Communications, 2019, 55, 8832-8835.	4.1	16
84	Polymorphs of a copper coordination compound: interlinking active sites enhance the electrocatalytic activity of the coordination polymer compared to the coordination complex. CrystEngComm, 2020, 22, 425-429.	2.6	16
85	Unusual fluorescent photoswitching of imidazole derivatives: the role of molecular conformation and twist angle controlled organic solid state fluorescence. Physical Chemistry Chemical Physics, 2018, 20, 27385-27393.	2.8	15
86	Crystallization/aggregation enhanced emissive smart fluorophores for rewritable fluorescent platform: Alkoxy chain length controlled solid state fluorescence. Journal of Luminescence, 2019, 211, 355-362.	3.1	15
87	Palladiumâ€Catalyzed Asymmetric Decarboxylative Addition of Î²â€Keto Acids to Heteroatomâ€Substituted Allenes. Angewandte Chemie - International Edition, 2021, 60, 22166-22171.	13.8	15
88	DNSC: a fluorescent, environmentally sensitive cytidine derivative for the direct detection of GGG triad sequences. Organic and Biomolecular Chemistry, 2013, 11, 5605.	2.8	14
89	Calix[n]triazoles and Related Conformational Studies. Organic Letters, 2017, 19, 5509-5512.	4.6	14
90	Molecular Conformationâ€•and Packingâ€Controlled Excited State Intramolecular Proton Transfer Induced Solidâ€State Fluorescence and Reversible Mechanofluorochromism. ChemistrySelect, 2018, 3, 7340-7345.	1.5	14

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91	A Hydrogenâ€Bonded Organic Framework (HOF) with Typeâ€...IV NH 3 Adsorption Behavior. Angewandte Chemie, 2019, 131, 16298-16301.	2.0	14
92	Easily Accessible Schiff Base ESIPT Molecules with Tunable Solid State Fluorescence: Mechanofluorochromism and Highly Selective Co²⁺ Fluorescence Sensing. ChemistrySelect, 2020, 5, 3295-3302.	1.5	14
93	Chemical Driving Force for Phase-Transition in the Ca_{2â€“x}RE_xCdSb₂ (RE = Yb, Eu; 0.11(1) â‰ x)	3.0	ETQq1 1 0.7843
94	Transformation of a Cluster-Based Metalâ€“Organic Framework to a Rod Metalâ€“Organic Framework. Chemistry of Materials, 2022, 34, 273-278.	6.7	14
95	Synthesis and characterization of a bis-Î¼,Î·1-carboxylate-bridged dinuclear manganese(II) complex containing a tetradentate tripodal ligand, N-(benzimidazol-2-ylmethyl)iminodiacetic acid. Polyhedron, 2008, 27, 447-452.	2.2	13
96	A microporous metalâ€“organic framework constructed from a 1D column made of linear trinuclear manganese secondary building units. CrystEngComm, 2010, 12, 2179.	2.6	13
97	Control of Interchain Antiferromagnetic Coupling in Porous Co(II)-Based Metalâ€“Organic Frameworks by Tuning the Aromatic Linker Length: How Far Does Magnetic Interaction Propagate?. Inorganic Chemistry, 2017, 56, 7443-7448.	4.0	13
98	Effect of Rare-Earth Metals Substitution for Ca on the Crystal Structure and Thermoelectric Properties of the Ca_{11â€“x}RE_xSb_{10â€“y} System. Crystal Growth and Design, 2019, 19, 3498-3508.	3.0	13
99	End-Functionalization of Diarylethene for Opto-Electronic Switching with High Fatigue Resistance. Chemistry of Materials, 2021, 33, 403-412.	6.7	13
100	A Simple and Rational Approach for Binodal Metalâ€“Organic Frameworks with Tetrahedral Nodes and Unexpected Multimodal Porosities from Nonstoichiometric Defects. Crystal Growth and Design, 2014, 14, 1998-2002.	3.0	12
101	Two Conformational Isomers in a Crystal of trans-Dibromobis(2,2-dimethyl-1,3-propanediamine)chromium(III) Bromide. Journal of Chemical Crystallography, 2014, 44, 306-311.	1.1	12
102	Crystal structure of hexakis(urea-ÎºO)chromium(III) dichromate bromide monohydrate from synchrotron X-ray data. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1336-1339.	0.5	12
103	A crab claw shaped molecular receptor for selective recognition of picric acid: supramolecular self-assembly mediated aggregation induced emission and color change. CrystEngComm, 2017, 19, 3557-3561.	2.6	12
104	Synthesis, Structure, and Photoluminescence Properties of a Metalâ€Organic Framework with Hexagonal Channels: Selective Turnâ€On Sensing for Mg²⁺ Ion. European Journal of Inorganic Chemistry, 2019, 2019, 330-335.	2.0	12
105	cis-(1,4,8,11-Tetraazacyclotetradecane-Îº⁴N)bis(thiocyanato-Îº¹N)chromium(III) thiocyanate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m376-m377.	0.2	12
106	Internal Chelationâ€Guided Regioâ€•and Stereoselective Pausonâ€“Khandâ€Type Reaction by Chiral Rhodium(I) Catalysis. Chemistry - an Asian Journal, 2011, 6, 2009-2014.	3.3	11
107	Photoreaction of adsorbed diiodomethane: halide effects of a series of neutral palladium(<scp>ii</scp>) coordination cages. Dalton Transactions, 2016, 45, 9574-9581.	3.3	11
108	Site-Selective n-Type â€œHeavyâ€•Rare-Earth-Metal Doping in the Complex Zintl Phase Ca_{11â€“x}RE_xSb_{10â€“y} (RE = Tb, Dy, Ho, Er, Tm). Crystal Growth and Design, 2020, 20, 4503-4511.	3.0	11

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109	Crystalline hydrogen bonding of water molecules confined in a metal-organic framework. Communications Chemistry, 2022, 5, .	4.5	11
110	Entropically driven self-assembly of a strained hexanuclear indium metalâ€“organic macrocycle and its behavior in solution. Dalton Transactions, 2011, 40, 5720.	3.3	10
111	Guest-driven structural flexibility of 2D coordination polymers: Synthesis, structural characterizations, and gas sorption properties. Inorganic Chemistry Communication, 2013, 33, 52-56.	3.9	10
112	Reversible Thermochromism of Nickel(II) Complexes and Single-Crystal-to-Single-Crystal Transformation. ACS Omega, 2019, 4, 13756-13761.	3.5	10
113	Rewritable fluorescent platform and reusable hydrazine sensing thin film using aldehyde functionalized fluorophore integrated PMMA polymer matrix. Materials Chemistry and Physics, 2019, 235, 121753.	4.0	10
114	p-Type to n-Type Conversion through the â€œBypassâ€•Phase Transition in the Zintl-Phase Thermoelectric Materials. Chemistry of Materials, 2021, 33, 6761-6773.	6.7	10
115	Knotting Two Donorâ^Ï€-Acceptor AIEgens Using a Nonconjugated Linker: Tunable and Switchable Fluorescence and Fingerprinting and Live Cell Imaging Applications. Crystal Growth and Design, 2022, 22, 633-642.	3.0	10
116	Cyclic Structural Transformations from Crystalline to Crystalline to Amorphous Phases and Magnetic Properties of a Mn(II)-Based Metalâ€“Organic Framework. Crystal Growth and Design, 2018, 18, 3360-3365.	3.0	9
117	The Co2+/Ni2+ ion-mediated formation of a topochemically converted copper coordination polymer: structure-dependent electrocatalytic activity. CrystEngComm, 2019, 21, 6552-6557.	2.6	9
118	Two Steps to Improve the Thermoelectric Performance of the Ca_{5â€“x}Yb_xAl_{2â€“y}In_ySb₆ System. Inorganic Chemistry, 2020, 59, 13572-13582.	4.8	9
119	Chiral Pd₆L₈ Nanocube Pairs: Recognition of Chiral Amino Acids via Electrochemistry. Inorganic Chemistry, 2020, 59, 5808-5812.	4.0	9
120	A functional model for quercetin 2,4-dioxygenase: Geometric and electronic structures and reactivity of a nickel(II) flavonolate complex. Journal of Inorganic Biochemistry, 2022, 226, 111632.	3.5	9
121	Syntheses and characterization of various supramolecular compounds from the self-assembly of nickel(II) hexaaza macrocyclic complex with carboxylic acid derivatives. Polyhedron, 2016, 105, 62-70.	2.2	8
122	Alkyl Conformation and Ï€â€“Ï€ Interaction Dependent on Polymorphism in the 1,8-Naphthalimide (NI) Derivative. ACS Omega, 2019, 4, 19705-19709.	3.5	8
123	Solvent-mediated framework flexibility of interdigitated 2D layered metalâ€“organic frameworks. Materials Chemistry Frontiers, 2021, 5, 3621-3627.	5.9	8
124	Effect of Cationic and Anionic Doping in the Quinary Zintl Phase Thermoelectric Material <scp>Ca_{5â€x}Yb_xAl_{2â€y}In_ySb_{6â€z} System. Bulletin of the Korean Chemical Society, 2021, 42, 563-566.	1.6	8
125	Crystal structure oftrans-diammine(1,4,8,11-tetraazacyclotetradecane-Î²4N)chromium(III) tetrachloridozincate chloride monohydrate from synchrotron data. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 456-459.	0.5	8
126	Molecular conformational twist-controlled wide fluorescence tuning and white light emission in a single fluorophore via halochromism. New Journal of Chemistry, 2021, 45, 22450-22460.	2.8	8

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127	Pyridine nitrogen position controlled molecular packing and stimuli-responsive solid-state fluorescence switching: supramolecular complexation facilitated turn-on fluorescence. CrystEngComm, 2022, 24, 2642-2649.	2.6	8
128	Triangular Assembly Through Charged Hydrogen Bonds in Polar Solvent. Journal of Organic Chemistry, 2006, 71, 9225-9228.	3.2	7
129	Chiral porous metalâ€“organic frameworks from chiral building units with different metrics. CrystEngComm, 2013, 15, 10161.	2.6	7
130	Hydrogenation of nitroaromatics to anilines catalyzed by airâ€stable arene ruthenium (II)â€“NNN pincer complexes. Applied Organometallic Chemistry, 2019, 33, e4689.	3.5	7
131	Non-stackable molecules assemble into porous crystals displaying concerted cavity-changing motions. Chemical Science, 2021, 12, 6378-6384.	7.4	7
132	Crystal structure of bis[cis-(1,4,8,11-tetraazacyclotetradecane-Î²4N)bis(thiocyanato-Î²N)chromium(III)] dichromate monohydrate from synchrotron X-ray diffraction data. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 72-75.	0.5	7
133	Synthesis, Characterization and Crystal Structure of trans-Aquahydroxobis(2,2-dimethyl-1,3-propanediamine)chromium(III) Diperchlorate. Bulletin of the Korean Chemical Society, 2014, 35, 3099-3102.	1.9	7
134	CF₃ H-bonding locked aromatic stacking of picric acid with mechanofluorochromic fluorophores: highly selective reusable sensor and rewritable fluorescence platform. Molecular Systems Design and Engineering, 2022, 7, 1277-1286.	3.4	7
135	A Selfâ€Complementary Nucleoside: Synthesis, Solidâ€State Structure, and Fluorescence Behavior. Chemistry - an Asian Journal, 2011, 6, 2048-2054.	3.3	6
136	Synthesis, structure, and magnetic properties of dicopper and tricobalt complexes based on N-(2-pyridylmethyl)iminodiethanol. Inorganic Chemistry Frontiers, 2015, 2, 763-770.	6.0	6
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