

Dohyun Moon

List of Publications by Year in descending order

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213
papers

5,881
citations

76326

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91884

69
g-index

216
all docs

216
docs citations

216
times ranked

6587
citing authors

#	ARTICLE	IF	CITATIONS
1	Azeotropic clathrate: Compelling similarity of CO ₂ and N ₂ O uptake in an organic crystalline host. <i>Chemical Engineering Journal</i> , 2022, 427, 131560.	12.7	3
2	A functional model for quercetin 2,4-dioxygenase: Geometric and electronic structures and reactivity of a nickel(II) flavonolate complex. <i>Journal of Inorganic Biochemistry</i> , 2022, 226, 111632.	3.5	9
3	Pyridine nitrogen position controlled molecular packing and stimuli-responsive solid-state fluorescence switching: supramolecular complexation facilitated turn-on fluorescence. <i>CrystEngComm</i> , 2022, 24, 2642-2649.	2.6	8
4	Crystalline hydrogen bonding of water molecules confined in a metal-organic framework. <i>Communications Chemistry</i> , 2022, 5, .	4.5	11
5	Transformation of a Cluster-Based Metal-Organic Framework to a Rod Metal-Organic Framework. <i>Chemistry of Materials</i> , 2022, 34, 273-278.	6.7	14
6	Knotting Two Donor-Acceptor AIEgens Using a Nonconjugated Linker: Tunable and Switchable Fluorescence and Fingerprinting and Live Cell Imaging Applications. <i>Crystal Growth and Design</i> , 2022, 22, 633-642.	3.0	10
7	Disordered spinel cobalt oxide electrocatalyst for highly enhanced HER activity in an alkaline medium. <i>New Journal of Chemistry</i> , 2022, 46, 12558-12564.	2.8	3
8	CF ₃ H-bonding locked aromatic stacking of picric acid with mechanofluorochromic fluorophores: highly selective reusable sensor and rewritable fluorescence platform. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 1277-1286.	3.4	7
9	Visible-light NO photolysis of ruthenium nitrosyl complexes with N ₂ O ₂ ligands bearing π -extended rings and their photorelease dynamics. <i>Dalton Transactions</i> , 2022, 51, 11404-11415.	3.3	1
10	Static and Dynamic Adsorptions of Water Vapor by Cyclic [Zr ₃₆] Clusters: Implications for Atmospheric Water Capture Using Molecular Solids. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 294-302.	1.9	4
11	Synthesis, crystal structure, infrared spectroscopy and Hirshfeld surface analysis of <i>cis</i> -(thiocyanato- μ -N)(1,4,8,11-tetraazacyclotetradecane- μ -N ⁴)chromium(III)(<i>trans</i> -1,3-bis(thiocyanato- μ -N))dichloride. <i>Journal of Coordination Chemistry</i> , 2021, 74, 969-982.	2.2	1
12	Molecular structure controlled self-assembly of pyridine appended fluorophores: multi-stimuli fluorescence responses and fabricating rewritable/self-erasable fluorescent platforms. <i>Materials Advances</i> , 2021, 2, 996-1005.	5.4	23
13	Non-stackable molecules assemble into porous crystals displaying concerted cavity-changing motions. <i>Chemical Science</i> , 2021, 12, 6378-6384.	7.4	7
14	Solvent-mediated framework flexibility of interdigitated 2D layered metal-organic frameworks. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3621-3627.	5.9	8
15	Early stage of the single-crystal growth and tipping point of the cationic site preference in Gd-doped Zintl phase thermoelectric materials. <i>CrystEngComm</i> , 2021, 23, 7097-7107.	2.6	2
16	Crystal structure of <i>cis</i> -(1,4,8,11-tetraazacyclotetradecane- μ -N ⁴) ₂ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (<i>cis</i> -N ₄) ₂ Cl ₂ . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 222-225.	0.5	0
17	Crystal Structure and Infrared Spectroscopy of <i>trans</i> -[Cr(NCS) ₂ (Me ₂ tn) ₂][Cr(NCS) ₄ (Me ₂ tn)] Moiety. <i>Asian Journal of Chemistry</i> , 2021, 33, 807-813.	0.3	1
18	Effect of Cationic and Anionic Doping in the Quinary Zintl Phase Thermoelectric Material <i>Ca</i> ₅ <i>x</i> <i>Yb</i> _x <i>Al</i> ₂ <i>y</i> <i>In</i> _z <i>Sb</i> _{10-2x-z} . <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 563-566.	0.6	0

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19	Crystal structure of diaqua(3,14-diethyl-2,6,13,17-tetraazatricyclo[16.4.0.0^{7,12}]docosane)copper(II) dichloride tetrahydrate. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 569-572.	0.5	1
20	Crystal structure of 3,14-dimethyl-2,13-diaza-6,17-diazoniatricyclo[16.4.0.0^{7,12}]docosane bis(perchlorate) from synchrotron X-ray data. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 551-554.	0.5	0
21	Crystal structure and anti/syn-conformational isomers of trans-bis[dibromobis(2,2-dimethyl-1,3-propanediamine)chromium(III)] tetrabromozincate. Inorganica Chimica Acta, 2021, 519, 120259.	2.4	3
22	Crystal structure, endo/exodentate conformations, spectroscopic properties, and Hirshfeld surface analysis of two constrained cyclam compounds with bromides and hydrates. Journal of Molecular Structure, 2021, 1232, 130011.	3.6	4
23	Structural characterization, spectroscopic properties, and Hirshfeld surface analysis of two copper(II) complexes with 3,14-dimethyl and 3,14-diethyl-2,6,13,17-diazadiazoniatricyclo[16.4.0.07,12]docosa-2,13-diene. Journal of Molecular Structure, 2021, 1231, 129897.	3.6	2
24	Crystal structure of diaqua(3,14-diethyl-2,6,13,17-tetraazatricyclo[16.4.0.0^{7,12}]docosane)copper(II) (3,14-diethyl-2,6,13,17-tetraazatricyclo[16.4.0.0^{7,12}]docosane)copper(II) tetrabromide dihydrate, [Cu(C₂₂H₄₄N₄)(H₂O)₂][Cu(C₂₂H₄₄N₄)(H₂O)₂] · 2H₂O · 4Br · 2H₂O. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 677-680.	0.5	0
25	Ca₁₁A_{<i>x</i>}Sb₁₀Ge_{<i>z</i>} (A = Tj, Tl, Q, I, R, S, U, V, W, X, Y, Z). Chemistry, 2021, 60, 10124-10136.	10.784314	14
26	Palladium-catalyzed Asymmetric Decarboxylative Addition of β -keto Acids to Heteroatom-substituted Allenes. Angewandte Chemie, 2021, 133, 22340-22345.	2.0	6
27	p-Type to n-Type Conversion through the α -Bypass-Phase Transition in the Zintl-Phase Thermoelectric Materials. Chemistry of Materials, 2021, 33, 6761-6773.	6.7	10
28	Palladium-catalyzed Asymmetric Decarboxylative Addition of β -keto Acids to Heteroatom-substituted Allenes. Angewandte Chemie - International Edition, 2021, 60, 22166-22171.	13.8	15
29	Two exodentate conformations, spectroscopic properties, and Hirshfeld surface analysis of new macrocyclic compounds with tetrabromide and tetraperchlorate. Journal of Molecular Structure, 2021, 1243, 130790.	3.6	1
30	Crystal structure of 3,14-diethyl-2,6,13,17-tetraazoniatricyclo[16.4.0.0^{7,12}]docosane tetrachloride tetrahydrate from synchrotron X-ray data. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 213-216.	0.5	3
31	End-Functionalization of Diarylethene for Opto-Electronic Switching with High Fatigue Resistance. Chemistry of Materials, 2021, 33, 403-412.	6.7	13
32	Molecular conformational twist-controlled wide fluorescence tuning and white light emission in a single fluorophore <i>via</i> halochromism. New Journal of Chemistry, 2021, 45, 22450-22460.	2.8	8
33	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
34	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
35	Coordination diversity in transition metal complexes with 4-aminoantipyrine tethered bis(imino)pyridine ligand: structures, superoxide dismutase and anticancer properties. Journal of Coordination Chemistry, 2020, 73, 3174-3185.	2.2	0
36	Crystal structure, spectroscopic properties, and Hirshfeld surface analysis of a Ni ²⁺ -doped 3,14-diethyl-2,13-diaza-6,17-diazoniatricyclo(16.4.0.07,12)docosane dichloride dihydrate. Journal of Coordination Chemistry, 2020, 73, 2029-2041.	2.2	6

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37	Structure controlled solvatochromism and halochromic fluorescence switching of 2,2'-bipyridine based donor-acceptor derivatives. <i>New Journal of Chemistry</i> , 2020, 44, 14421-14428.	2.8	5
38	Two Steps to Improve the Thermoelectric Performance of the Ca ₅ YbAl ₂ In ₆ Sb ₆ System. <i>Inorganic Chemistry</i> , 2020, 59, 13572-13582.	4.9	9
39	Solvent-triggered single-crystal-to-single-crystal transformation from a monomeric to polymeric copper(II) complex based on an aza macrocyclic ligand. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 225-232.	1.1	2
40	Response to Comment on "Dry reforming of methane by stable Ni-Mo nanocatalysts on single-crystalline MgO". <i>Science</i> , 2020, 368, .	12.6	1
41	Site-Selective n-Type Heavy-Rare-Earth-Metal Doping in the Complex Zintl Phase Ca ₁₁ RE ₂ Sb ₁₀ (RE = Tb, Dy, Ho, Er, Tm). <i>Crystal Growth and Design</i> , 2020, 20, 4503-4511.	3.0	11
42	Easily Accessible Schiff Base ESIPt Molecules with Tunable Solid State Fluorescence: Mechanofluorochromism and Highly Selective Co ²⁺ Fluorescence Sensing. <i>ChemistrySelect</i> , 2020, 5, 3295-3302.	1.5	14
43	Synthesis, crystal structure, and spectroscopic properties of bis(rac-5,5,7,12,14-hexamethyl-1,4,8,11-tetraazacyclotetradecane)(<i>rac</i> -1,2,3,4-oxalato)dichloridozincate(II)(<i>rac</i> -1,2,3-oxalato)tetrachloridozincate monohydrate. <i>Journal of Molecular Structure</i> , 2020, 1221, 128711.	0.4	1
44	Dry reforming of methane by stable Ni-Mo nanocatalysts on single-crystalline MgO. <i>Science</i> , 2020, 367, 777-781.	12.6	372
45	Facile Synthetic Route for Direct Access of Perylene-dimide Single Crystals in High Yield through In Situ Crystallization. <i>ChemistrySelect</i> , 2020, 5, 2070-2074.	1.5	4
46	Chemical Driving Force for Phase-Transition in the Ca ₂ RE ₂ CdSb ₂ (RE = Yb, Eu; 0.11(1) \times) ₂ Te ₂ O ₁₄ rgBT / C	3.0	1
47	Chiral Pd ₆ L ₈ Nanocube Pairs: Recognition of Chiral Amino Acids via Electrochemistry. <i>Inorganic Chemistry</i> , 2020, 59, 5808-5812.	4.0	9
48	Microscopic and Mesoscopic Dual Postsynthetic Modifications of Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13793-13799.	13.8	23
49	Crystal structure of 1,4,8,11-tetramethyl-1,4,8,11-tetraazoniacyclotetradecane bis(perchlorate) dichloride from synchrotron X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 324-327.	0.5	4
50	Crystal structure of 1,4,8,11-tetramethyl-1,4,8,11-tetraazoniacyclotetradecane bis[chloridochromate(VI)] dichloride from synchrotron X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 523-526.	0.5	2
51	Synthesis, Crystal Structure and Hirshfeld Surface Analysis of 3,14-Dimethyl-2,6,13,17-tetraazatricyclo(16.4.0.0.7,12)docosane-2-(nitric acid). <i>Asian Journal of Chemistry</i> , 2020, 32, 397-702.	0.3	3
52	Crystal structure of trans-dichlorido(1,4,8,11-tetraazacyclotetradecane- ¹⁰) ₄ Te ₂ O ₁₄ rgBT / Overlock 10 Tf 50 15	0.5	0
	<i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 656-659.		
53	Reversible Thermochromism of Nickel(II) Complexes and Single-Crystal-to-Single-Crystal Transformation. <i>ACS Omega</i> , 2019, 4, 13756-13761.	3.5	10
54	A Hydrogen-Bonded Organic Framework (HOF) with Type-IV NH ₃ Adsorption Behavior. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16152-16155.	13.8	77

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55	Synthesis of Strongly Fluorescent Imidazole Derivatives: Structure Property Studies, Halochromism and Fluorescent Photoswitching. <i>Journal of Fluorescence</i> , 2019, 29, 1359-1369.	2.5	4
56	A Hydrogen-Bonded Organic Framework (HOF) with Type-IV NH ₃ Adsorption Behavior. <i>Angewandte Chemie</i> , 2019, 131, 16298-16301.	2.0	14
57	A diamine-grafted metal-organic framework with outstanding CO ₂ capture properties and a facile coating approach for imparting exceptional moisture stability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8177-8183.	10.3	52
58	Tuning of the flexibility in metal-organic frameworks based on pendant arm macrocycles. <i>Chemical Communications</i> , 2019, 55, 8832-8835.	4.1	16
59	Rewritable fluorescent platform and reusable hydrazine sensing thin film using aldehyde functionalized fluorophore integrated PMMA polymer matrix. <i>Materials Chemistry and Physics</i> , 2019, 235, 121753.	4.0	10
60	Copper coordination polymer electrocatalyst for strong hydrogen evolution reaction activity in neutral medium: influence of coordination environment and network structure. <i>Catalysis Science and Technology</i> , 2019, 9, 4347-4354.	4.1	21
61	Symmetry-guided syntheses of mixed-linker Zr metal-organic frameworks with precise linker locations. <i>Chemical Science</i> , 2019, 10, 5801-5806.	7.4	22
62	Effect of Rare-Earth Metals Substitution for Ca on the Crystal Structure and Thermoelectric Properties of the Ca ₁₁ RE ₁₀ Sb ₁₀ System. <i>Crystal Growth and Design</i> , 2019, 19, 3498-3508.	3.0	13
63	Temperature-Controlled Locally Excited and Twisted Intramolecular Charge-Transfer State-Dependent Fluorescence Switching in Triphenylamine-Benzothiazole Derivatives. <i>ACS Omega</i> , 2019, 4, 5147-5154.	3.5	22
64	Hydrogenation of nitroaromatics to anilines catalyzed by air-stable arene ruthenium (II)-NNN pincer complexes. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4689.	3.5	7
65	Crystallization/aggregation enhanced emissive smart fluorophores for rewritable fluorescent platform: Alkoxy chain length controlled solid state fluorescence. <i>Journal of Luminescence</i> , 2019, 211, 355-362.	3.1	15
66	Halogen Atom and Position Dependent Strong Enhancement of Solid-State Fluorescence and Stimuli Responsive Reversible Fluorescence Switching. <i>ChemistrySelect</i> , 2019, 4, 3884-3890.	1.5	23
67	Coordinative Reduction of Metal Nodes Enhances the Hydrolytic Stability of a Paddlewheel Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 7853-7864.	13.7	76
68	The Co ²⁺ /Ni ²⁺ ion-mediated formation of a topochemically converted copper coordination polymer: structure-dependent electrocatalytic activity. <i>CrystEngComm</i> , 2019, 21, 6552-6557.	2.6	9
69	Aggregation-enhanced emissive mechanofluorochromic carbazole-halogen positional isomers: tunable fluorescence via conformational polymorphism and crystallization-induced fluorescence switching. <i>CrystEngComm</i> , 2019, 21, 6604-6612.	2.6	26
70	Alkyl Conformation and H ₂ O Interaction Dependent on Polymorphism in the 1,8-Naphthalimide (NI) Derivative. <i>ACS Omega</i> , 2019, 4, 19705-19709.	3.5	8
71	A Convergent Synthetic Strategy towards Oligosaccharides containing 2,3,6- α -Trideoxypyranoglycosides. <i>Angewandte Chemie</i> , 2019, 131, 638-641.	2.0	6
72	A Convergent Synthetic Strategy towards Oligosaccharides containing 2,3,6- α -Trideoxypyranoglycosides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 628-631.	13.8	22

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73	Synthesis, Structure, and Photoluminescence Properties of a Metal-Organic Framework with Hexagonal Channels: Selective Turn-On Sensing for Mg ²⁺ Ion. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 330-335.	2.0	12
74	Synthesis, molecular structure, and spectroscopic properties of tris[trans-diazidobis(2,2-dimethylpropane-1,3-diamine)chromium(III)]bis[tetraazido(2,2-dimethylpropane-1,3-diamine)chromium(III)] perchlorate. <i>Journal of Molecular Structure</i> , 2019, 1177, 338-346.	0.5	1
75	Crystal structure of {2-methyl-2-[(pyridin-2-ylmethyl)amino]propan-1-ol- $\hat{\rho}$ ³ }bis(nitrato- $\hat{\rho}$ ³)copper(II) from synchrotron data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 150-153.	0.5	6
76	Crystal structure of 3,14-diethyl-2,13-diaza-6,17-diazoniatricyclo[16.4.0.0 ^{7,12}]docosane dinitrate dihydrate from synchrotron X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 921-924.	0.5	6
77	Crystal structure of bis[bis(1,4,7-triazacyclononane- $\hat{\rho}$ ³)chromium(III)] tris(tetrachloridozincate) monohydrate from synchrotron X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 428-431.	0.5	1
78	Cyclic Structural Transformations from Crystalline to Crystalline to Amorphous Phases and Magnetic Properties of a Mn(II)-Based Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2018, 18, 3360-3365.	3.0	9
79	Diamine-Functionalization of a Metal-Organic Framework Adsorbent for Superb Carbon Dioxide Adsorption and Desorption Properties. <i>ChemSusChem</i> , 2018, 11, 1694-1707.	6.8	40
80	Palladium-Catalyzed Asymmetric Nitrogen-Selective Addition Reaction of Indoles to Alkoxyallenes. <i>Organic Letters</i> , 2018, 20, 1248-1251.	4.6	36
81	Synthesis of tunable, red fluorescent aggregation-enhanced emissive organic fluorophores: stimuli-responsive high contrast off-on fluorescence switching. <i>CrystEngComm</i> , 2018, 20, 643-651.	2.6	29
82	Three-dimensional iron(II) porous coordination polymer exhibiting carbon dioxide-dependent spin crossover. <i>Chemical Communications</i> , 2018, 54, 4262-4265.	4.1	29
83	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. <i>Journal of Molecular Structure</i> , 2018, 1154, 338-347.	3.6	16
84	Unusual fluorescent photoswitching of imidazole derivatives: the role of molecular conformation and twist angle controlled organic solid state fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27385-27393.	2.8	15
85	Discriminative Molecular Detection Based on Competitive Absorption by a Luminescent Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40372-40377.	8.0	16
86	Synthesis, supramolecular organization and thermotropic phase behaviour of N-acyltris(hydroxymethyl)aminomethane. <i>RSC Advances</i> , 2018, 8, 32823-32831.	3.6	3
87	Rational Design and Construction of Hierarchical Superstructures Using Shape-Persistent Organic Cages: Porphyrin Box-Based Metallosupramolecular Assemblies. <i>Journal of the American Chemical Society</i> , 2018, 140, 14547-14551.	13.7	59
88	Excited state intramolecular proton transfer induced fluorescence in triphenylamine molecule: Role of structural conformation and reversible mechanofluorochromism. <i>Journal of Molecular Structure</i> , 2018, 1169, 1-8.	3.6	18
89	Drastic Modulation of Stimuli-Responsive Fluorescence by a Subtle Structural Change of Organic Fluorophore and Polymorphism Controlled Mechanofluorochromism. <i>Crystal Growth and Design</i> , 2018, 18, 3971-3979.	3.0	36
90	Molecular Conformation- and Packing-Controlled Excited State Intramolecular Proton Transfer Induced Solid State Fluorescence and Reversible Mechanofluorochromism. <i>ChemistrySelect</i> , 2018, 3, 7340-7345.	1.5	14

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91	Crystal structure of 3,14-dimethyl-2,6,13,17-tetraazoniatricyclo[16.4.0.07,12]docosane tetrachloride tetrahydrate from synchrotron X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1039-1041.	0.5	3
92	Crystal structure of silver [(propane-1,3-diyl dinitrilo- λ^2 N,N ϵ^2)tetraacetato- λ^4 O,O ϵ^2 ,O ϵ^2 ϵ^2 ,O ϵ^2 ϵ^2 ϵ^2]chromate(III) from synchrotron X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 278-281.	0.5	3
93	Crystal structure of [2,13-bis(acetamido)-5,16-dimethyl-2,6,13,17-tetraazatricyclo[16.4.0.0^{7,12}]docosane- λ^2 ⁴<i>N</i>]silver(II) dinitrate from synchrotron X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 461-464.	0.5	1
94	Topology Conversions of Non-Interpenetrated Metal-Organic Frameworks to Doubly Interpenetrated Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2017, 29, 3899-3907.	6.7	17
95	Control of Interchain Antiferromagnetic Coupling in Porous Co(II)-Based Metal-Organic Frameworks by Tuning the Aromatic Linker Length: How Far Does Magnetic Interaction Propagate?. <i>Inorganic Chemistry</i> , 2017, 56, 7443-7448.	4.0	13
96	A crab claw shaped molecular receptor for selective recognition of picric acid: supramolecular self-assembly mediated aggregation induced emission and color change. <i>CrystEngComm</i> , 2017, 19, 3557-3561.	2.6	12
97	Metal-Organic Frameworks from Group 4 Metals and 2,5-Dihydroxyterephthalic Acid: Reinvestigation, New Structure, and Challenges Toward Gas Storage and Separation. <i>Crystal Growth and Design</i> , 2017, 17, 2140-2146.	3.0	25
98	Fine-tuning of the Carbon Dioxide Capture Capability of Diamine-Crafted Metal-Organic Framework Adsorbents Through Amine Functionalization. <i>ChemSusChem</i> , 2017, 10, 541-550.	6.8	88
99	Luminescent Metal-Organic Framework Sensor: Exceptional Cd ²⁺ Turn-On Detection and First In Situ Visualization of Cd ²⁺ Ion Diffusion into a Crystal. <i>Chemistry - A European Journal</i> , 2017, 23, 4803-4809.	3.3	32
100	Synthesis of a Zr-Based Metal-Organic Framework with Spirobifluorenetetrabenzoic Acid for the Effective Removal of Nerve Agent Simulants. <i>Inorganic Chemistry</i> , 2017, 56, 12098-12101.	4.0	44
101	Self-reversible thermofluorochromism of D triphenylamine derivatives and the effect of molecular conformation and packing. <i>CrystEngComm</i> , 2017, 19, 6979-6985.	2.6	23
102	Crystallization-induced reversible fluorescence switching of alkyl chain length dependent thermally stable supercooled organic fluorescent liquids. <i>CrystEngComm</i> , 2017, 19, 6489-6497.	2.6	20
103	Calix[<i>n</i>]triazoles and Related Conformational Studies. <i>Organic Letters</i> , 2017, 19, 5509-5512.	4.6	14
104	Tunable and Switchable Solid State Fluorescence: Alkyl Chain Length-Dependent Molecular Conformation and Self-Reversible Thermochromism. <i>ChemistrySelect</i> , 2017, 2, 7799-7807.	1.5	19
105	TiO ₂ /RbPbI ₃ halide perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 172, 44-54.	6.2	53
106	Molecular Engineering of Triphenylamine Based Aggregation Enhanced Emissive Fluorophore: Structure-Dependent Mechanochromism and Self-Reversible Fluorescence Switching. <i>Crystal Growth and Design</i> , 2017, 17, 146-155.	3.0	75
107	Synthesis, crystal structure determination, and spectroscopic characterization of [2,13-dibenzyl-5,16-diethyl-2,6,13,17-tetraazatricyclo(16.4.0.07,12)docosane] copper(II) dinitrate. <i>Main Group Chemistry</i> , 2017, 16, 27-36.	0.8	2
108	Crystal structure of 9,20-dimethyl-1,8,12,19-tetraazatetracyclo[17.3.1.0^{2,7}.0^{13,18}]tricosane dihydrate from synchrotron X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 387-389.	0.5	0

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109	Crystal structure of bis[<i>cis</i> -(1,4,8,11-tetraazacyclotetradecane- $\hat{1}^{\circ}$ 4N)bis(thiocyanato- $\hat{1}^{\circ}$ N)chromium(III)] dichromate monohydrate from synchrotron X-ray diffraction data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 72-75.	0.5	7
110	Crystal structure of 1,4,8,11-tetraazoniacyclotetradecane bis(dichromate) monohydrate from synchrotron data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 755-758.	0.5	3
111	Crystal structure of bis[(oxalato- $\hat{1}^{\circ}$ 2O1,O2)(1,4,8,11-tetraazacyclotetradecane- $\hat{1}^{\circ}$ 4N)chromium(III)] dichromate octahydrate from synchrotron X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 403-406.	0.5	2
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130	Crystal structure of <i>trans</i> -dichlorido(1,4,8,11-tetraazaundecane- $\text{I}^{\text{p}}_{4\text{N}}$)chromium(III) perchlorate determined from synchrotron data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 424-427.	0.5	2
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132	Crystal structure of tris(<i>trans</i> -1,2-cyclohexanediamine- $\text{I}^{\text{p}}_{2\text{N}}$)chromium(III) tetrachloridozincate chloride trihydrate from synchrotron data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 671-674.	0.5	3
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