

Ritesh Haldar

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.

67

papers

1,886

citations

26

h-index

42

g-index

74

ext. papers

2,154

ext. citations

6.5

avg, IF

5.38

L-index

#	Paper	IF	Citations
67	Photoinduced Delamination of Metal-Organic Framework Thin Films by Spatioselective Generation of Reactive Oxygen Species. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57768-57773	9.5	1
66	Antenna Doping: The Key for Achieving Efficient Optical Wavelength Conversion in Crystalline Chromophoric Heterolayers. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100262	4.6	4
65	A Dynamic Chemical Clip in Supramolecular Framework for Sorting Alkylaromatic Isomers using Thermodynamic and Kinetic Preferences. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19921-19927	16.4	1
64	A Dynamic Chemical Clip in Supramolecular Framework for Sorting Alkylaromatic Isomers using Thermodynamic and Kinetic Preferences. <i>Angewandte Chemie</i> , 2021 , 133, 20074-20080	3.6	
63	Hierarchical assemblies of molecular frameworks MOF-on-MOF epitaxial heterostructures. <i>Nano Research</i> , 2021 , 14, 355-368	10	31
62	Modular Synthesis of trans-A B -Porphyrins with Terminal Esters: Systematically Extending the Scope of Linear Linkers for Porphyrin-Based MOFs. <i>Chemistry - A European Journal</i> , 2021 , 27, 1390-1401	4.8	3
61	Multicolour lanthanide(III) porous 1D coordination polymers: tunable wide spectrum emission and efficient Cu sensing. <i>Dalton Transactions</i> , 2021 , 50, 13002-13011	4.3	2
60	Interplay of structural dynamics and electronic effects in an engineered assembly of pentacene in a metal-organic framework. <i>Chemical Science</i> , 2021 , 12, 4477-4483	9.4	6
59	Avoiding the Center-Symmetry Trap: Programmed Assembly of Dipolar Precursors into Porous, Crystalline Molecular Thin Films. <i>Advanced Materials</i> , 2021 , 33, e2103287	24	1
58	Coordination driven self-assembly of donor-acceptor linkers in 3D supramolecular frameworks: Ground state charge transfer and tunable porosity. <i>Materials Research Bulletin</i> , 2021 , 142, 111388	5.1	2
57	Advanced Photoresponsive Materials Using the Metal-Organic Framework Approach. <i>Advanced Materials</i> , 2020 , 32, e1905227	24	95
56	Exciton Coupling and Conformational Changes Impacting the Excited State Properties of Metal Organic Frameworks. <i>Molecules</i> , 2020 , 25,	4.8	4
55	Guest-responsive polaritons in a porous framework: chromophoric sponges in optical QED cavities. <i>Chemical Science</i> , 2020 , 11, 7972-7978	9.4	9
54	Guest-Responsive Reversible Electron Transfer in a Crystalline Porous Framework Supported by a Dynamic Building Node. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18479-18484	16.4	7
53	Introducing electrical conductivity to metal-organic framework thin films by templated polymerization of methyl propiolate. <i>Nanoscale</i> , 2020 , 12, 24419-24428	7.7	6
52	Luminescent metal-organic frameworks and their potential applications. <i>Journal of Chemical Sciences</i> , 2020 , 132, 1	1.8	10
51	Guest-Responsive Reversible Electron Transfer in a Crystalline Porous Framework Supported by a Dynamic Building Node. <i>Angewandte Chemie</i> , 2020 , 132, 18637-18642	3.6	

50	Tuning Optical Properties by Controlled Aggregation: Electroluminescence Assisted by Thermally-Activated Delayed Fluorescence from Thin Films of Crystalline Chromophores. <i>Chemistry - A European Journal</i> , 2020 , 26, 17016-17020	4.8	18
49	A de novo strategy for predictive crystal engineering to tune excitonic coupling. <i>Nature Communications</i> , 2019 , 10, 2048	17.4	27
48	Bridging the Green Gap: Metal-Organic Framework Heteromultilayers Assembled from Porphyrinic Linkers Identified by Using Computational Screening. <i>Chemistry - A European Journal</i> , 2019 , 25, 7847-7854	4.8	18
47	Highly Efficient One-Dimensional Triplet Exciton Transport in a Palladium-Porphyrin-Based Surface-Anchored Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15688-15697	9.5	29
46	Adaptive and Guest Responsive Supramolecular Porous Framework: Solvent Modulated Energy Transfer toward Fingerprint Sensing. <i>Crystal Growth and Design</i> , 2019 , 19, 1514-1517	3.5	6
45	Tunable Emission in Heteroepitaxial Ln-SURMOFs. <i>Advanced Functional Materials</i> , 2019 , 29, 1903086	15.6	28
44	Excitation Energy Transfer Supported Amplified Charge-Transfer Emission in an Anthracenedicarboxylate- and Bipyridophenazine-Based Coordination Complex. <i>Inorganic Chemistry</i> , 2018 , 57, 2953-2956	5.1	7
43	Enhancing the photoluminescence of surface anchored metal-organic frameworks: mixed linkers and efficient acceptors. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 11564-11576	3.6	17
42	MOF-templated synthesis of 3D BiO supracrystals with bcc packing. <i>Nanoscale</i> , 2018 , 10, 17099-17104	7.7	1
41	Reaction of porphyrin-based surface-anchored metal-organic frameworks caused by prolonged illumination. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 29142-29151	3.6	7
40	van der Waals Epitaxial Growth of 2D Metal-Porphyrin Framework Derived Thin Films for Dye-Sensitized Solar Cells. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800985	4.6	22
39	Oxidative polymerization of terthiophene and a substituted thiophene monomer in metal-organic framework thin films. <i>European Polymer Journal</i> , 2018 , 109, 162-168	5.2	17
38	Anisotropic energy transfer in crystalline chromophore assemblies. <i>Nature Communications</i> , 2018 , 9, 4332	17.4	35
37	Verbesserung der Selektivität und Kinetik bei der photooxidativen Zyklisierung mittels supramolekularer Kontrolle. <i>Angewandte Chemie</i> , 2018 , 130, 13850-13854	3.6	5
36	Enhancing Selectivity and Kinetics in Oxidative Photocyclization by Supramolecular Control. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13662-13665	16.4	18
35	Excitonically Coupled States in Crystalline Coordination Networks. <i>Chemistry - A European Journal</i> , 2017 , 23, 14316-14322	4.8	23
34	Facile loading of thin-film surface-anchored metal-organic frameworks with Lewis-base guest molecules. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1888-1894	7.8	8
33	Coordination-Driven Fluorescent J-Aggregates in a Perylenetetracarboxylate-Based MOF: Permanent Porosity and Proton Conductivity. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13622-13629	3.8	31

32	Dynamic, conjugated microporous polymers: visible light harvesting via guest-responsive reversible swelling. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 156-63	3.6	33
31	Luminescent Metal-Organic Complexes of Pyrene or Anthracene Chromophores: Energy Transfer Assisted Amplified Exciplex Emission and Al ³⁺ Sensing. <i>Crystal Growth and Design</i> , 2016 , 16, 82-91	3.5	39
30	The guest-dependent thermal response of the flexible MOF Zn ₂ (BDC) ₂ (DABCO). <i>Dalton Transactions</i> , 2016 , 45, 4187-92	4.3	50
29	Dynamic Entangled Porous Framework for Hydrocarbon (C ₂ -C ₃) Storage, CO ₂ Capture, and Separation. <i>Chemistry - A European Journal</i> , 2016 , 22, 6059-70	4.8	41
28	Understanding guest and pressure-induced porosity through structural transition in flexible interpenetrated MOF by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016 , 47, 149-155	2.3	23
27	(113)Cd Nuclear Magnetic Resonance as a Probe of Structural Dynamics in a Flexible Porous Framework Showing Selective O ₂ /N ₂ and CO ₂ /N ₂ Adsorption. <i>Inorganic Chemistry</i> , 2016 , 55, 4166-72	5.1	25
26	Crystal Dynamics in Multi-stimuli-Responsive Entangled Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2016 , 22, 15864-15873	4.8	39
25	1D chains, 2D networks and 3D interdigitated frameworks of isoorotic acid or 4,4'-bipyridyl and isoorotic acid: syntheses, structures, and sorption properties. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 278-289	6.8	8
24	Pillared-bilayer porous coordination polymers of Zn(II): enhanced hydrophobicity of pore surface by changing the pillar functionality. <i>CrystEngComm</i> , 2015 , 17, 3478-3486	3.3	23
23	Rational design of a pyrene based luminescent porous supramolecular framework: excimer emission and energy transfer. <i>RSC Advances</i> , 2015 , 5, 74986-74993	3.7	14
22	Interpenetration in coordination polymers: structural diversities toward porous functional materials. <i>Materials Today</i> , 2015 , 18, 97-116	21.8	50
21	Synthesis and Structural Characterization of 1D and 2D Coordination Polymers based on Flexible 1, 3-Adamantanediacetic Acid and Exo-bidentate Organic Linkers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 1102-1108	1.3	7
20	Amine-responsive adaptable nanospaces: fluorescent porous coordination polymer for molecular recognition. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11772-7	16.4	153
19	Two 3D metal-organic frameworks of Cd(II): modulation of structures and porous properties based on linker functionalities. <i>CrystEngComm</i> , 2014 , 16, 4877-4885	3.3	16
18	Flexible and rigid amine-functionalized microporous frameworks based on different secondary building units: supramolecular isomerism, selective CO ₂ capture, and catalysis. <i>Chemistry - A European Journal</i> , 2014 , 20, 4347-56	4.8	105
17	Porous coordination polymers based on functionalized Schiff base linkers: enhanced CO ₂ uptake by pore surface modification. <i>Dalton Transactions</i> , 2014 , 43, 2272-82	4.3	46
16	Porous polyimides from polycyclic aromatic linkers: Selective CO ₂ capture and hydrogen storage. <i>Polymer</i> , 2014 , 55, 1452-1458	3.9	29
15	Amine-Responsive Adaptable Nanospaces: Fluorescent Porous Coordination Polymer for Molecular Recognition. <i>Angewandte Chemie</i> , 2014 , 126, 11966-11971	3.6	26

14	Metal-organic frameworks (MOFs) based on mixed linker systems: structural diversities towards functional materials. <i>CrystEngComm</i> , 2013 , 15, 9276	3.3	97
13	Bifunctional Co(II)-Ag(I) and Ni(II)-Ag(I) Frameworks: Modulation of Magnetic Property and CO ₂ Uptake Based on Organic Pillars. <i>Crystal Growth and Design</i> , 2013 , 13, 4968-4976	3.5	12
12	Self-assembly of tetrabromoterephthalic acid with different metal system: Diversity in dimensionalities, structures and gas adsorption. <i>Polyhedron</i> , 2013 , 52, 553-559	2.7	4
11	Perylene Based Porous Polyimides: Tunable, High Surface Area with Tetrahedral and Pyramidal Monomers. <i>Chemistry of Materials</i> , 2012 , 24, 969-971	9.6	100
10	Selective carbon dioxide uptake and crystal-to-crystal transformation: porous 3D framework to 1D chain triggered by conformational change of the spacer. <i>CrystEngComm</i> , 2012 , 14, 684-690	3.3	33
9	Chiral Porous Metal-organic Frameworks of Co(II) and Ni(II): Synthesis, Structure, Magnetic Properties, and CO ₂ Uptake. <i>Crystal Growth and Design</i> , 2012 , 12, 975-981	3.5	125
8	Unusual room temperature CO ₂ uptake in a fluoro-functionalized MOF: insight from Raman spectroscopy and theoretical studies. <i>Chemical Communications</i> , 2012 , 48, 8487-9	5.8	67
7	Exciplex formation and energy transfer in a self-assembled metal-organic hybrid system. <i>Chemistry - A European Journal</i> , 2012 , 18, 5848-52	4.8	35
6	Antiferromagnetic porous metal-organic framework containing mixed-valence [Mn(II) ₄ Mn(III) ₂ (μ-O) ₂] ₁₀₊ units with catecholase activity and selective gas adsorption. <i>Inorganic Chemistry</i> , 2012 , 51, 4265-73	5.1	94
5	Three-Dimensional Robust Porous Coordination Polymer with Schiff Base Site on the Pore Wall: Synthesis, Single-Crystal-to-Single-Crystal Reversibility, and Selective CO ₂ Adsorption. <i>Crystal Growth and Design</i> , 2011 , 11, 3905-3911	3.5	57
4	A two-fold interpenetrated flexible bi-pillared-layer framework of Fe(II) with interesting solvent adsorption property. <i>Journal of Chemical Sciences</i> , 2011 , 123, 883-890	1.8	5
3	Coordination driven axial chirality in a microporous solid assembled from an achiral linker via in situ C-N coupling. <i>Chemical Communications</i> , 2011 , 47, 11038-40	5.8	23
2	Chapter 12: Gated and Stepwise Sorption Processes in Functional Metal-organic Frameworks. <i>Monographs in Supramolecular Chemistry</i> , 412-453	1.1	5
1	Spectroscopic Investigation of Bianthryl-Based Metal-organic Framework Thin Films and Their Photoinduced Topotactic Transformation. <i>Advanced Materials Interfaces</i> , 2102441	4.6	1