

Tapas Kumar Maji

List of Publications by Citations

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153 papers	7,205 citations	47 h-index	80 g-index
165 ext. papers	8,105 ext. citations	6.8 avg, IF	6.46 L-index

#	Paper	IF	Citations
153	A flexible interpenetrating coordination framework with a bimodal porous functionality. <i>Nature Materials</i> , 2007 , 6, 142-8	27	701
152	Expanding and shrinking porous modulation based on pillared-layer coordination polymers showing selective guest adsorption. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3269-72	16.4	363
151	Guest-induced asymmetry in a metal-organic porous solid with reversible single-crystal-to-single-crystal structural transformation. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17152-3	16.4	309
150	Hybrid nanocomposites of ZIF-8 with graphene oxide exhibiting tunable morphology, significant CO ₂ uptake and other novel properties. <i>Chemical Communications</i> , 2013 , 49, 4947-9	5.8	229
149	Lanthanide-organic frameworks for gas storage and as magneto-luminescent materials. <i>Coordination Chemistry Reviews</i> , 2014 , 273-274, 139-164	23.2	214
148	Luminescent microporous metal-organic framework with functional lewis basic sites on the pore surface: specific sensing and removal of metal ions. <i>Inorganic Chemistry</i> , 2012 , 51, 10089-91	5.1	178
147	Porous lanthanide-organic framework with zeolite-like topology. <i>Chemical Communications</i> , 2005 , 2436-8	5.8	177
146	Amine-responsive adaptable nanospaces: fluorescent porous coordination polymer for molecular recognition. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11772-7	16.4	153
145	Temperature induced structural transformations and gas adsorption in the zeolitic imidazolate framework ZIF-8: a Raman study. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 11006-12	2.8	151
144	Coordination polymer gels: soft metal-organic supramolecular materials and versatile applications. <i>Chemical Communications</i> , 2016 , 52, 8055-74	5.8	141
143	Chemistry of porous coordination polymers. <i>Pure and Applied Chemistry</i> , 2007 , 79, 2155-2177	2.1	128
142	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
141	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
140	A bimodal anionic MOF: turn-off sensing of Cu(II) and specific sensitization of Eu(III.). <i>Chemical Communications</i> , 2014 , 50, 13567-70	5.8	102
139	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
138	Bimodal Magneto-Luminescent Dysprosium (Dy(III))-Potassium (K)-Oxalate Framework: Magnetic Switchability with High Anisotropic Barrier and Solvent Sensing. <i>Chemistry of Materials</i> , 2013 , 25, 1673-1679	8.6	99
137	Post-synthetic metalation in an anionic MOF for efficient catalytic activity and removal of heavy metal ions from aqueous solution. <i>Chemical Communications</i> , 2016 , 52, 2831-4	5.8	98

136	Metal-organic frameworks (MOFs) based on mixed linker systems: structural diversities towards functional materials. <i>CrystEngComm</i> , 2013 , 15, 9276	3.3	97
135	Transformation from a 2D stacked layer to 3D interpenetrated framework by changing the spacer functionality: synthesis, structure, adsorption, and magnetic properties. <i>Inorganic Chemistry</i> , 2005 , 44, 9225-31	5.1	93
134	Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption. <i>Angewandte Chemie</i> , 2004 , 116, 3331-3334	3.6	91
133	A pillared-bilayer porous coordination polymer with a 1D channel and a 2D interlayer space, showing unique gas and vapor sorption. <i>Chemical Communications</i> , 2011 , 47, 8106-8	5.8	89
132	New Interpenetrated Copper Coordination Polymer Frameworks having Porous Properties. <i>Chemistry of Materials</i> , 2009 , 21, 5860-5866	9.6	88
131	Syntheses, Crystal Structures and Adsorption Properties of Ultramicroporous Coordination Polymers Constructed from Hexafluorosilicate Ions and Pyrazine. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 2329-2337	2.3	85
130	Guest-responsive reversible swelling and enhanced fluorescence in a super-absorbent, dynamic microporous polymer. <i>Chemistry - A European Journal</i> , 2012 , 18, 4505-9	4.8	84
129	High heat of hydrogen adsorption and guest-responsive magnetic modulation in a 3D porous pillared-layer coordination framework. <i>Chemical Communications</i> , 2011 , 47, 538-40	5.8	83
128	Tunable emission in lanthanide coordination polymer gels based on a rationally designed blue emissive gelator. <i>Chemical Communications</i> , 2015 , 51, 9876-9	5.8	79
127	MOF Nano-Vesicles and Toroids: Self-Assembled Porous Soft-Hybrids for Light Harvesting. <i>Advanced Functional Materials</i> , 2013 , 23, 5585-5590	15.6	77
126	Synthesis of nano-porous carbon and nitrogen doped carbon dots from an anionic MOF: a trace cobalt metal residue in carbon dots promotes electrocatalytic ORR activity. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13573-13580	13	76
125	Self-cleaning MOF: realization of extreme water repellence in coordination driven self-assembled nanostructures. <i>Chemical Science</i> , 2016 , 7, 2251-2256	9.4	73
124	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
123	Versatile functionalities in MOFs assembled from the same building units: interplay of structural flexibility, rigidity and regularity. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1322-1331		66
122	Three-dimensional metal-organic framework with highly polar pore surface: H ₂ and CO ₂ storage characteristics. <i>Inorganic Chemistry</i> , 2012 , 51, 7103-11	5.1	62
121	A metal-organic framework with highly polar pore surfaces: selective CO ₂ adsorption and guest-dependent on/off emission properties. <i>Chemistry - A European Journal</i> , 2012 , 18, 237-44	4.8	61
120	Co O @Co/NCNT Nanostructure Derived from a Dicyanamide-Based Metal-Organic Framework as an Efficient Bi-functional Electrocatalyst for Oxygen Reduction and Evolution Reactions. <i>Chemistry - A European Journal</i> , 2017 , 23, 18049-18056	4.8	60
119	Growth of 2D sheets of a MOF on graphene surfaces to yield composites with novel gas adsorption characteristics. <i>Dalton Transactions</i> , 2014 , 43, 7383-6	4.3	59

118	Extended phenylene based microporous organic polymers with selective carbon dioxide adsorption. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12958		58
117	Flexible MOF–minoclay nanocomposites showing tunable stepwise/gated sorption for C ₂ H ₂ , CO ₂ and separation for CO ₂ /N ₂ and CO ₂ /CH ₄ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8423-8430	13	56
116	Diversity in magnetic properties of 3D isomorphous networks of Co(II) and Mn(II) constructed by naphthalene-1,4-dicarboxylate. <i>Chemical Communications</i> , 2005 , 4613-5	5.8	54
115	Light driven mesoscale assembly of a coordination polymeric gelator into flowers and stars with distinct properties. <i>Chemical Science</i> , 2015 , 6, 6583-6591	9.4	52
114	MOF-aminoclay composites for superior CO capture, separation and enhanced catalytic activity in chemical fixation of CO. <i>Chemical Communications</i> , 2016 , 52, 11378-11381	5.8	50
113	Redox-Active Metal-Organic Frameworks: Highly Stable Charge-Separated States through Strut/Guest-to-Strut Electron Transfer. <i>Chemistry - A European Journal</i> , 2015 , 21, 11701-6	4.8	50
112	Interpenetration in coordination polymers: structural diversities toward porous functional materials. <i>Materials Today</i> , 2015 , 18, 97-116	21.8	50
111	Stoichiometry-controlled two flexible interpenetrated frameworks: higher CO ₂ uptake in a nanoscale counterpart supported by accelerated adsorption kinetics. <i>Inorganic Chemistry</i> , 2014 , 53, 5993-6002	5.1	49
110	Synthesis, Characterization, and Modeling of a Functional Conjugated Microporous Polymer: CO ₂ Storage and Light Harvesting. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 24369-24376	3.8	48
109	Redox-active and semi-conducting donor–acceptor conjugated microporous polymers as metal-free ORR catalysts. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5587-5591	13	47
108	Highly Luminescent Microporous Organic Polymer with Lewis Acidic Boron Sites on the Pore Surface: Ratiometric Sensing and Capture of F ⁽⁻⁾ Ions. <i>Chemistry - A European Journal</i> , 2015 , 21, 10799-804	4.8	47
107	Terbium(III), europium(III), and mixed terbium(III)-europium(III) mucicate frameworks: hydrophilicity and stoichiometry-dependent color tunability. <i>Inorganic Chemistry</i> , 2012 , 51, 4891-3	5.1	47
106	Separation/purification of ethylene from an acetylene/ethylene mixture in a pillared-layer porous metal-organic framework. <i>Chemical Communications</i> , 2017 , 53, 4907-4910	5.8	46
105	Guest-specific double- or single-step adsorption in a flexible porous framework based on a mixed-ligand system. <i>Inorganic Chemistry</i> , 2011 , 50, 400-2	5.1	46
104	MOF derived carbon based nanocomposite materials as efficient electrocatalysts for oxygen reduction and oxygen and hydrogen evolution reactions.. <i>RSC Advances</i> , 2018 , 8, 26728-26754	3.7	45
103	Covalent grafting of molecular photosensitizer and catalyst on MOF-808: effect of pore confinement toward visible light-driven CO ₂ reduction in water. <i>Energy and Environmental Science</i> , 2021 , 14, 2429-2440	35.4	42
102	High aspect ratio, processable coordination polymer gel nanotubes based on an AIE-active LMWG with tunable emission. <i>Chemical Communications</i> , 2015 , 51, 14678-81	5.8	41
101	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

100	Metallophthalocyanine-based redox active metal-organic conjugated microporous polymers for OER catalysis. <i>Chemical Communications</i> , 2018 , 54, 4465-4468	5.8	40
99	Binder driven self-assembly of metal-organic cubes towards functional hydrogels. <i>Nature Communications</i> , 2018 , 9, 3587	17.4	40
98	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
97	Mechanochemical synthesis of a processable halide perovskite quantum dot/MOF composite by post-synthetic metalation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21106-21111	13	39
96	Crystal Dynamics in Multi-stimuli-Responsive Entangled Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2016 , 22, 15864-15873	4.8	39
95	MOF Derived CoO@Co/NCNT Nanocomposite for Electrochemical Hydrogen Evolution, Flexible Zinc-Air Batteries, and Overall Water Splitting. <i>Inorganic Chemistry</i> , 2020 , 59, 3160-3170	5.1	38
94	Topological difference in 2D layers steers the formation of rigid and flexible 3D supramolecular isomers: impact on the adsorption properties. <i>Inorganic Chemistry</i> , 2012 , 51, 9141-3	5.1	36
93	Coordination Polymer Gels with Modular Nanomorphologies, Tunable Emissions, and Stimuli-Responsive Behavior Based on an Amphiphilic Tripodal Gelator. <i>Inorganic Chemistry</i> , 2017 , 56, 9417-9425	5.1	35
92	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
91	Stabilization of MAPbBr Perovskite Quantum Dots on Perovskite MOFs by a One-Step Mechanochemical Synthesis. <i>Inorganic Chemistry</i> , 2020 , 59, 1436-1443	5.1	34
90	Regulating Charge-Transfer in Conjugated Microporous Polymers for Photocatalytic Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2019 , 25, 3867-3874	4.8	34
89	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
88	Oligo(p-phenyleneethynylene)-Derived Porous Luminescent Nanoscale Coordination Polymer of GdIII: Bimodal Imaging and Nitroaromatic Sensing. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12241-12249	3.8	33
87	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
86	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
85	Honeycomb Porous Framework of Zinc(II): Effective Host for Palladium Nanoparticles for Efficient Three-Component (A ₃) Coupling and Selective Gas Storage. <i>ChemPlusChem</i> , 2012 , 77, 743-747	2.8	30
84	Porous polyimides from polycyclic aromatic linkers: Selective CO ₂ capture and hydrogen storage. <i>Polymer</i> , 2014 , 55, 1452-1458	3.9	29
83	Construction of a 2D Rectangular Grid and 3D Diamondoid Interpenetrated Frameworks and Their Functionalities by Changing the Second Spacers. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3762-3769	2.3	29

82	In-situ Stabilization of Tin Nanoparticles in Porous Carbon Matrix derived from Metal Organic Framework: High Capacity and High Rate Capability Anodes for Lithium-ion Batteries. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 1115-1118	1.3	27
81	Host-Guest [2+2] Cycloaddition Reaction: Postsynthetic Modulation of CO ₂ Selectivity and Magnetic Properties in a Bimodal Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2016 , 22, 7792-9	4.8	27
80	Metal-Free Catalysis: A Redox-Active Donor-Acceptor Conjugated Microporous Polymer for Selective Visible-Light-Driven CO Reduction to CH ₄ . <i>Journal of the American Chemical Society</i> , 2021 , 143, 16284-16292	16.4	27
79	Amine-Responsive Adaptable Nanospaces: Fluorescent Porous Coordination Polymer for Molecular Recognition. <i>Angewandte Chemie</i> , 2014 , 126, 11966-11971	3.6	26
78	Amine-Templated Cobalt(II) Coordination Polymer Exhibiting Novel Magnetic Properties: Effect of Dehydration. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2057-2063	2.3	26
77	Mg-MOF-74@SBA-15 hybrids: Synthesis, characterization, and adsorption properties. <i>APL Materials</i> , 2014 , 2, 124107	5.7	25
76	(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
75	In situ Stabilization of Au and Co Nanoparticles in a Redox-Active Conjugated Microporous Polymer Matrix: Facile Heterogeneous Catalysis and Electrocatalytic Oxygen Reduction Reaction Activity. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5455-5461	9.5	23
74	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
73	A flexible supramolecular host with a crowned chair octameric water cluster and highly selective adsorption properties. <i>CrystEngComm</i> , 2010 , 12, 2775	3.3	23
72	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
71	Effect of pillar modules and their stoichiometry in 3D porous frameworks of Zn(II) with [Fe(CN) ₆] ³⁻ : high CO ₂ /N ₂ and CO ₂ /CH ₄ selectivity. <i>Inorganic Chemistry</i> , 2013 , 52, 11385-97	5.1	22
70	Colossal Increase in Electric Current and High Rectification Ratio in a Photoconducting, Self-Cleaning, and Luminescent Schottky Barrier NMOF Diode. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 23803-23810	3.8	20
69	Oriented attachment growth of anisotropic meso/nanoscale MOFs: tunable surface area and CO ₂ separation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20959-20968	13	19
68	Controlled synthesis of tunable nanoporous carbons for gas storage and supercapacitor application. <i>Microporous and Mesoporous Materials</i> , 2015 , 206, 127-135	5.3	19
67	Reversible Polymorphism, Liquid Crystallinity, and Stimuli-Responsive Luminescence in a Bola-amphiphilic System: Structure-Property Correlations Through Nanoindentation and DFT Calculations. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4086-4092	6.4	19
66	Bimodal self-assembly of an amphiphilic gelator into a hydrogel-nanocatalyst and an organogel with different morphologies and photophysical properties. <i>Chemical Communications</i> , 2016 , 52, 13136-13139	5.8	19
65	Pure white light emission and charge transfer in organogels of symmetrical and unsymmetrical Chromophoric oligo-p-(phenyleneethynylene) bola-amphiphiles. <i>Chemical Communications</i> , 2018 , 54, 275-278	5.8	18

64	Metallated azo-naphthalene diimide based redox-active porous organic polymer as an efficient water oxidation electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19834-19842	13	18
63	Solvent Adaptive Dynamic Metal-Organic Soft Hybrid for Imaging and Biological Delivery. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5008-5012	16.4	17
62	Nanovesicular MOF with Omniphilic Porosity: Bimodal Functionality for White-Light Emission and Photocatalysis by Dye Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23140-23146	9.5	17
61	Photochromic Conjugated Microporous Polymer Manifesting Bio-Inspired pcFRET and Logic Gate Functioning. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20991-20997	9.5	17
60	Recent advances in coordination-driven polymeric gel materials: design and applications. <i>Dalton Transactions</i> , 2020 , 49, 7658-7672	4.3	16
59	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
58	Shape assisted fabrication of fluorescent cages of squarate based metal-organic coordination frameworks. <i>Chemical Communications</i> , 2013 , 49, 3937-9	5.8	16
57	A nanoporous borocarbonitride (BC ₄ N) with novel properties derived from a boron-imidazolate-based metal-organic framework. <i>Chemistry - A European Journal</i> , 2013 , 19, 6966-70	4.8	16
56	Tetracarboxylate Linker-Based Flexible Cu Frameworks: Efficient Separation of CO from CO/N and CH from CH/CH Mixtures. <i>ACS Omega</i> , 2018 , 3, 2018-2026	3.9	15
55	In Situ Growth of Self-Assembled ZIF-8-Aminoclay Nanocomposites with Enhanced Surface Area and CO Uptake. <i>Inorganic Chemistry</i> , 2017 , 56, 9426-9435	5.1	15
54	Highly rigid and stable porous Cu(I) metal-organic framework with reversible single-crystal-to-single-crystal structural transformation. <i>CrystEngComm</i> , 2012 , 14, 4153	3.3	15
53	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
52	A 2-D coordination polymer incorporating cobalt(II), 2-sulfoterephthalate and the flexible bridging ligand 1,3-di(4-pyridyl)propane. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 157-163	6.8	14
51	Photo-modulated wide-spectrum chromism in Eu and Eu/Tb photochromic coordination polymer gels: application in decoding secret information. <i>Chemical Science</i> , 2020 , 12, 2674-2682	9.4	14
50	Charge-transfer regulated visible light driven photocatalytic H ₂ production and CO reduction in tetrathiafulvalene based coordination polymer gel. <i>Nature Communications</i> , 2021 , 12, 7313	17.4	13
49	Gfp chromophore integrated conjugated microporous polymers: topological and ESPT effects on emission properties. <i>Chemical Communications</i> , 2019 , 55, 2837-2840	5.8	12
48	Transfer hydrogenation of alkynes into alkenes by ammonia borane over Pd-MOF catalysts. <i>Dalton Transactions</i> , 2020 , 49, 5024-5028	4.3	12
47	A hexanuclear Cu(I) cluster supported by cuprophilic interaction: effects of aromatics on luminescence properties. <i>RSC Advances</i> , 2014 , 4, 35167-35170	3.7	12

- 46 A bimetallic pillared-layer metal-organic coordination framework with a 3D biporous structure. *Dalton Transactions*, **2009**, 4426-8 4.3 12
- 45 Facile and Green Synthesis of SERS Active and Ferromagnetic Silver Nanorods. *European Journal of Inorganic Chemistry*, **2010**, 2010, 4969-4974 2.3 12
- 44 Charge-Assisted Self-Assembly of ZIF-8 and Laponite Clay toward a Functional Hydrogel Nanocomposite. *Inorganic Chemistry*, **2018**, 57, 14480-14483 5.1 12
- 43 Construction of bi-functional inorganic-organic hybrid nanocomposites. *Journal of Materials Chemistry*, **2008**, 18, 5448 11
- 42 Realization of Oxygen Reduction and Evolution Electrocatalysis by In Situ Stabilization of Co Nanoparticles in a Redox-Active Donor-Acceptor Porous Organic Polymer. *ChemElectroChem*, **2019**, 6, 3756-3763 4.3 10
- 41 Luminescent metal-organic frameworks and their potential applications. *Journal of Chemical Sciences*, **2020**, 132, 1 1.8 10
- 40 Triphenylamine and terpyridine- Zn(II) complex based donor-acceptor soft hybrid as a visible light-driven hydrogen evolution photocatalyst. *Journal of Materials Chemistry A*, **2020**, 8, 21968-21972 13 10
- 39 Charge-Transfer Nanostructures through Noncovalent Amphiphilic Self-Assembly: Extended Cofacial Donor-Acceptor Arrays. *Asian Journal of Organic Chemistry*, **2014**, 3, 161-169 3 9
- 38 1D chains, 2D networks and 3D interdigitated frameworks of isoorotic acid or 4,4'-bipyridyl and isoorotic acid: syntheses, structures, and sorption properties. *Inorganic Chemistry Frontiers*, **2015**, 2, 278-289 6.8 8
- 37 A discrete Cu cluster and a 3D Mn-Cu framework based on assembly of MnCu clusters: synthesis, structure and magnetic properties. *Dalton Transactions*, **2016**, 45, 15523-15531 4.3 8
- 36 Solvent-Modulated Emission Properties in a Superhydrophobic Oligo(p-phenyleneethynylene)-Based 3D Porous Supramolecular Framework. *Inorganic Chemistry*, **2018**, 57, 8693-8696 5.1 8
- 35 Photoswitchable J-Aggregated Processable Organogel by Integrating a Photochromic Acceptor. *Journal of Organic Chemistry*, **2019**, 84, 10946-10952 4.2 8
- 34 Synergistic Role of Microwave and Perturbation toward Synthesis of Hierarchical Porous MOFs with Tunable Porosity. *Inorganic Chemistry*, **2020**, 59, 3775-3782 5.1 7
- 33 Excitation Energy Transfer Supported Amplified Charge-Transfer Emission in an Anthracenedicarboxylate- and Bipyridophenazine-Based Coordination Complex. *Inorganic Chemistry*, **2018**, 57, 2953-2956 5.1 7
- 32 Synthesis and Structural Characterization of 1D and 2D Coordination Polymers based on Flexible 1,3-Adamantanedi-acetic Acid and Exo-bidentate Organic Linkers. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2014**, 640, 1102-1108 1.3 7
- 31 Bimodal Heterogeneous Functionality in Redox-Active Conjugated Microporous Polymer toward Electrocatalytic Oxygen Reduction and Photocatalytic Hydrogen Evolution. *Chemistry - A European Journal*, **2020**, 26, 3810-3817 4.8 7
- 30 Guest-Responsive Reversible Electron Transfer in a Crystalline Porous Framework Supported by a Dynamic Building Node. *Angewandte Chemie - International Edition*, **2020**, 59, 18479-18484 16.4 7
- 29 Adaptive and Guest Responsive Supramolecular Porous Framework: Solvent Modulated Energy Transfer toward Fingerprint Sensing. *Crystal Growth and Design*, **2019**, 19, 1514-1517 3.5 6

28	Solvent Adaptive Dynamic Metal-Organic Soft Hybrid for Imaging and Biological Delivery. <i>Angewandte Chemie</i> , 2019 , 131, 5062-5066	3.6	6
27	Colocalization of light harvesting and catalytic units in a soft coordination polymer hydrogel toward visible-light driven photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13608-13614	13	6
26	Stabilization of ultra-small gold nanoparticles in a photochromic organic cage: modulating photocatalytic CO ₂ reduction by tuning light irradiation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 5780-5786	13	6
25	Dynamic Resolution of Piezosensitivity in Single Crystals of π -Conjugated Molecules. <i>Chemistry - A European Journal</i> , 2019 , 25, 6092-6097	4.8	5
24	Modulating Hierarchical Micro/Mesoporosity by a Mixed Solvent Approach in Al-MOF: Stabilization of MAPbBr Quantum Dots. <i>Chemistry - A European Journal</i> , 2020 , 26, 14671-14678	4.8	5
23	Tunable Physical States and Optical Properties of Bola-Amphiphilic Oligo-(p-phenyleneethynylene)-Based Supramolecular Networks Assisted by Functional Group Modulation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 21598-21606	3.8	5
22	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
21	Fabrication of supramolecular frameworks by tuning the binding site of a tripodal ligand with d 10 metal ions: Interplay of covalent and non-covalent interactions in solid-state structure. <i>Journal of Chemical Sciences</i> , 2010 , 122, 801-806	1.8	5
20	Chapter 12:Gated and Stepwise Sorption Processes in Functional Metal-organic Frameworks. <i>Monographs in Supramolecular Chemistry</i> , 412-453	1.1	5
19	Nanocomposite Hydrogel of Pd@ZIF-8 and Laponite : Size-Selective Hydrogenation Catalyst under Mild Conditions. <i>Chemistry - A European Journal</i> , 2021 , 27, 3268-3272	4.8	5
18	Fluorocarbon-Functionalized Superhydrophobic Metal-Organic Framework: Enhanced CO Uptake via Photoinduced Postsynthetic Modification. <i>Inorganic Chemistry</i> , 2021 , 60, 3823-3833	5.1	5
17	Unraveling the Effect on Luminescent Properties by Postsynthetic Covalent and Noncovalent Grafting of gfp Chromophore Analogues in Nanoscale MOF-808. <i>Inorganic Chemistry</i> , 2020 , 59, 8251-8258	5.1	4
16	Acetylene/Ethylene Separation and Solid-State Structural Transformation via [2 + 2] Cycloaddition Reactions in 3D Microporous Zn Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2020 , 59, 9055-9064	5.1	4
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