# Sujit K Ghosh

List of Publications by Year
in descending order



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|---|---|---|---|
| 153 papers | 14,555 citations | 19608 61 h-index | 19136 118 g-index |
| 166 all docs | 166 docs citations | 166 times ranked | 10520 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Metalâ€"organic frameworks: functional luminescent and photonic materials for sensing applications. Chemical Society Reviews, 2017, 46, 3242-3285. | 18.7 | 2,457 |
| 2 | Highly Selective Detection of Nitro Explosives by a Luminescent Metalâ€"Organic Framework. Angewandte Chemie - International Edition, 2013, 52, 2881-2885. | 7.2 | 1,206 |
| 3 | A fluorescent metalâ€"organic framework for highly selective detection of nitro explosives in the aqueous phase. Chemical Communications, 2014, 50, 8915-8918. | 2.2 | 486 |
| 4 | Twoâ€inâ€One: Inherent Anhydrous and Waterâ€Assisted High Proton Conduction in a 3D Metalâ€"Organic Framework. Angewandte Chemie - International Edition, 2014, 53, 2638-2642. | 7.2 | 367 |
| 5 | Hydrogenâ€Bonded Organic Frameworks (HOFs): A New Class of Porous Crystalline Protonâ€Conducting Materials. Angewandte Chemie - International Edition, 2016, 55, 10667-10671. | 7.2 | 334 |
| 6 | A Waterâ€Stable Cationic Metalâ€"Organic Framework as a Dual Adsorbent of Oxoanion Pollutants. Angewandte Chemie - International Edition, 2016, 55, 7811-7815. | 7.2 | 302 |
| 7 | Selective and Sensitive Aqueousâ€Phase Detection of 2,4,6â€Trinitrophenol (TNP) by an Amineâ€Functionalized Metalâ€"Organic Framework. Chemistry - A European Journal, 2015, 21, 965-969. | 1.7 | 297 |
| 8 | Coexistence of Water Dimer and Hexamer Clusters in 3D Metalâˆ'Organic Framework Structures of Ce(III) and Pr(III) with Pyridine-2,6-dicarboxylic Acid. Inorganic Chemistry, 2003, 42, 8250-8254. | 1.9 | 273 |
| 9 | Ionic metal-organic frameworks (iMOFs): Design principles and applications. Coordination Chemistry Reviews, 2016, 307, 313-341. | 9.5 | 261 |
| 10 | Guest-Responsive Metalâ€"Organic Frameworks as Scaffolds for Separation and Sensing Applications. Accounts of Chemical Research, 2017, 50, 2457-2469. | 7.6 | 241 |
| 11 | A Dodecameric Water Cluster Built around a Cyclic Quasiplanar Hexameric Core in an Organic Supramolecular Complex of a Cryptand. Angewandte Chemie - International Edition, 2004, 43, 3577-3580. | 7.2 | 221 |
| 12 | Reversible Topochemical Transformation of a Soft Crystal of a Coordination Polymer. Angewandte Chemie - International Edition, 2007, 46, 7965-7968. | 7.2 | 202 |
| 13 | Engineering metalâ€"organic frameworks for aqueous phase 2,4,6-trinitrophenol (TNP) sensing. CrystEngComm, 2016, 18, 2994-3007. | 1.3 | 189 |
| 14 | Advanced Porous Materials for Sensing, Capture and Detoxification of Organic Pollutants toward Water Remediation. ACS Sustainable Chemistry and Engineering, 2019, 7, 7456-7478. | 3.2 | 189 |
| 15 | Puckered-Boat Conformation Hexameric Water Clusters Stabilized in a 2D Metalâˆ'Organic Framework Structure Built from Cu(II) and 1,2,4,5-Benzenetetracarboxylic Acid. Inorganic Chemistry, 2004, 43, 5180-5182. | 1.9 | 185 |
| 16 | A Bistable Porous Coordination Polymer with a Bondâ€Switching Mechanism Showing Reversible Structural and Functional Transformations. Angewandte Chemie - International Edition, 2008, 47, 8843-8847. | 7.2 | 182 |
| 17 | Dynamic Structural Behavior and Anionâ€Responsive Tunable Luminescence of a Flexible Cationic Metalâ€"Organic Framework. Angewandte Chemie - International Edition, 2013, 52, 998-1002. | 7.2 | 180 |
| 18 | Structure of a Discrete Hexadecameric Water Cluster in a Metalâˆ'Organic Framework Structure. Inorganic Chemistry, 2004, 43, 6887-6889. | 1.9 | 163 |

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|---|---|---|---|
| 19 | Aqueous phase selective detection of 2,4,6-trinitrophenol using a fluorescent metalâ€“organic framework with a pendant recognition site. Dalton Transactions, 2015, 44, 15175-15180. | 1.6 | 161 |
| 20 | A Continuous Ï€-Stacked Starfish Array of Two-Dimensional Luminescent MOF for Detection of Nitro Explosives. Crystal Growth and Design, 2013, 13, 3716-3721. | 1.4 | 157 |
| 21 | Self-Assembly of Lanthanide Helicate Coordination Polymers into 3D Metal-Organic Framework Structures. Inorganic Chemistry, 2004, 43, 2293-2298. | 1.9 | 155 |
| 22 | A Dynamic, Isocyanurateâ€Functionalized Porous Coordination Polymer. Angewandte Chemie - International Edition, 2008, 47, 3403-3406. | 7.2 | 154 |
| 23 | Fluorescent â€œTurnâ€onâ€•Sensing Based on Metalâ€“Organic Frameworks (MOFs). Chemistry - an Asian Journal, 2019, 14, 4506-4519. | 1.7 | 140 |
| 24 | Exploitation of Guest Accessible Aliphatic Amine Functionality of a Metalâ€“Organic Framework for Selective Detection of 2,4,6-Trinitrophenol (TNP) in Water. Crystal Growth and Design, 2015, 15, 4627-4634. | 1.4 | 137 |
| 25 | Selective Recognition of Hg<sup>2+</sup> ion in Water by a Functionalized Metalâ€“Organic Framework (MOF) Based Chemodosimeter. Inorganic Chemistry, 2018, 57, 2360-2364. | 1.9 | 131 |
| 26 | Coordination Polymers of La(III) as Bunched Infinite Nanotubes and Their Conversion into an Open-Framework Structure. Inorganic Chemistry, 2005, 44, 3156-3161. | 1.9 | 129 |
| 27 | Increase in Electrical Conductivity of MOF to Billion-Fold upon Filling the Nanochannels with Conducting Polymer. Journal of Physical Chemistry Letters, 2016, 7, 2945-2950. | 2.1 | 127 |
| 28 | Luminescent metalâ€“organic frameworks (LMOFs) as potential probes for the recognition of cationic water pollutants. Inorganic Chemistry Frontiers, 2020, 7, 1801-1821. | 3.0 | 126 |
| 29 | Mn(II) Staircase Structures Stitched by Water Clusters to a 3D Metal-Organic Open Framework:â€‰ X-ray Structural and Magnetic Studies. Inorganic Chemistry, 2005, 44, 3856-3862. | 1.9 | 119 |
| 30 | Characterization of 3-D Metalâ^'Organic Frameworks Formed through Hydrogen Bonding Interactions of 2-D Networks with Rectangular Voids by CoII- and NiII-Pyridine-2,6-dicarboxylate and 4,4â€˜-Bipyridine or 1,2-Di(pyridyl)ethylene. Crystal Growth and Design, 2005, 5, 623-629. | 1.4 | 119 |
| 31 | Metalâ€“organic framework structures of Cu(ii) with pyridine-2,6-dicarboxylate and different spacers: identification of a metal bound acyclic water tetramer. CrystEngComm, 2004, 6, 250-256. | 1.3 | 109 |
| 32 | Stimulusâ€Responsive Metalâ€“Organic Frameworks. Chemistry - an Asian Journal, 2014, 9, 2358-2376. | 1.7 | 109 |
| 33 | Metal-organic framework based highly selective fluorescence turn-on probe for hydrogen sulphide. Scientific Reports, 2014, 4, 7053. | 1.6 | 109 |
| 34 | Potential of metalâ€“organic frameworks for adsorptive separation of industrially and environmentally relevant liquid mixtures. Coordination Chemistry Reviews, 2018, 367, 82-126. | 9.5 | 105 |
| 35 | Reactivity of Pyridine-2,4,6-tricarboxylic Acid toward Zn(II) Salts under Different Reaction Conditions. Inorganic Chemistry, 2004, 43, 5495-5497. | 1.9 | 103 |
| 36 | Ultrastable Luminescent Hybrid Bromide Perovskite@MOF Nanocomposites for the Degradation of Organic Pollutants in Water. ACS Applied Nano Materials, 2019, 2, 1333-1340. | 2.4 | 102 |

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| 37 | N-donor linker based metal-organic frameworks (MOFs): Advancement and prospects as functional materials. Coordination Chemistry Reviews, 2019, 395, 146-192. | 9.5 | 98 |
| 38 | Selective CO<sub>2</sub> Adsorption in a Robust and Water-Stable Porous Coordination Polymer with New Network Topology. Inorganic Chemistry, 2012, 51, 572-576. | 1.9 | 94 |
| 39 | A Nitroâ€Functionalized Metalâ€“Organic Framework as a Reactionâ€Based Fluorescence Turnâ€On Probe for Rapid and Selective H<sub>2</sub>S Detection. Chemistry - A European Journal, 2015, 21, 9994-9997. | 1.7 | 93 |
| 40 | An Ultrahydrophobic Fluorous Metalâ€“Organic Framework Derived Recyclable Composite as a Promising Platform to Tackle Marine Oil Spills. Chemistry - A European Journal, 2016, 22, 10937-10943. | 1.7 | 91 |
| 41 | A Postâ€Synthetically Modified MOF for Selective and Sensitive Aqueousâ€Phase Detection of Highly Toxic Cyanide Ions. Chemistry - A European Journal, 2016, 22, 864-868. | 1.7 | 91 |
| 42 | Chemically stable ionic viologen-organic network: an efficient scavenger of toxic oxo-anions from water. Chemical Science, 2018, 9, 7874-7881. | 3.7 | 91 |
| 43 | Coordination polymers with pyridine-2,4,6-tricarboxylic acid and alkaline-earth/lanthanide/transition metals: synthesis and X-ray structures. Dalton Transactions, 2009, , 1644. | 1.6 | 85 |
| 44 | Metalâˆ’Organic Framework H-Bonded Like a Polycatenane:Â Coexistence of Acyclic Water Trimer and Nonamer. Inorganic Chemistry, 2005, 44, 5553-5555. | 1.9 | 83 |
| 45 | Aqueous phase nitric oxide detection by an amine-decorated metalâ€“organic framework. Chemical Communications, 2015, 51, 6111-6114. | 2.2 | 83 |
| 46 | Influence of Tuned Linker Functionality on Modulation of Magnetic Properties and Relaxation Dynamics in a Family of Six Isotypic Ln<sub>2</sub> (Ln = Dy and Gd) Complexes. Inorganic Chemistry, 2016, 55, 11283-11298. | 1.9 | 83 |
| 47 | How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, . | 11.1 | 82 |
| 48 | Framework-Flexibility Driven Selective Sorption of p-Xylene over Other Isomers by a Dynamic Metal-Organic Framework. Scientific Reports, 2014, 4, 5761. | 1.6 | 81 |
| 49 | A Waterâ€Stable Ionic MOF for the Selective Capture of Toxic Oxoanions of Se<sup>VI</sup> and As<sup>V</sup> and Crystallographic Insight into the Ionâ€Exchange Mechanism. Angewandte Chemie - International Edition, 2020, 59, 7788-7792. | 7.2 | 79 |
| 50 | Role of Temperature on Framework Dimensionality: Supramolecular Isomers of Zn<sub>3</sub>(RCOO)<sub>8</sub> Based Metal Organic Frameworks. Crystal Growth and Design, 2012, 12, 572-576. | 1.4 | 78 |
| 51 | Harnessing Lewis acidic open metal sites of metalâ€“organic frameworks: the foremost route to achieve highly selective benzene sorption over cyclohexane. Chemical Communications, 2016, 52, 8215-8218. | 2.2 | 76 |
| 52 | Hydrogenâ€Bonded Organic Frameworks (HOFs): A New Class of Porous Crystalline Protonâ€Conducting Materials. Angewandte Chemie, 2016, 128, 10825-10829. | 1.6 | 76 |
| 53 | Advances in adsorptive separation of benzene and cyclohexane by metal-organic framework adsorbents. Coordination Chemistry Reviews, 2021, 437, 213852. | 9.5 | 74 |
| 54 | Neutral N-donor ligand based flexible metalâ€“organic frameworks. Dalton Transactions, 2016, 45, 4060-4072. | 1.6 | 73 |

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| 55 | Octameric Water Clusters of Staircase Structure Present in a Metal-Organic Framework Built from Helical Lanthanide Coordination Polymers. European Journal of Inorganic Chemistry, 2005, 2005, 4886-4889. | 1.0 | 72 |
| 56 | Selective Detection of 2,4,6-Trinitrophenol (TNP) by a Ï€-Stacked Organic Crystalline Solid in Water. Crystal Growth and Design, 2015, 15, 3493-3497. | 1.4 | 70 |
| 57 | Solvent as structure directing agent for the synthesis of novel coordination frameworks using a tripodal flexible ligand. CrystEngComm, 2008, 10, 1739. | 1.3 | 68 |
| 58 | Stabilizing Metalâ€"Organic Polyhedra (MOP): Issues and Strategies. Chemistry - an Asian Journal, 2019, 14, 3096-3108. | 1.7 | 66 |
| 59 | Bi-porous metalâ€"organic framework with hydrophilic and hydrophobic channels: selective gas sorption and reversible iodine uptake studies. CrystEngComm, 2013, 15, 9465. | 1.3 | 64 |
| 60 | A Ï€-electron deficient diaminotriazine functionalized MOF for selective sorption of benzene over cyclohexane. Chemical Communications, 2015, 51, 15386-15389. | 2.2 | 64 |
| 61 | A carboxylate-based dinuclear dysprosium(iii) cluster exhibiting slow magnetic relaxation behaviour. Dalton Transactions, 2012, 41, 7695. | 1.6 | 61 |
| 62 | A Waterâ€Stable Cationic Metalâ€"Organic Framework as a Dual Adsorbent of Oxoanion Pollutants. Angewandte Chemie, 2016, 128, 7942-7946. | 1.6 | 59 |
| 63 | OFET based explosive sensors using diketopyrrolopyrrole and metal organic framework composite active channel material. Sensors and Actuators B: Chemical, 2016, 223, 114-122. | 4.0 | 58 |
| 64 | Infinite Chains of Quasi-Planar Hexameric Water Clusters Stabilized in a Metal-Organic Framework Built from CoII and Pyrazine- 2,3,5,6-tetracarboxylic Acid. European Journal of Inorganic Chemistry, 2005, 2005, 4880-4885. | 1.0 | 57 |
| 65 | An Amideâ€Functionalized Dynamic Metalâ€"Organic Framework Exhibiting Visual Colorimetric Anion Exchange and Selective Uptake of Benzene over Cyclohexane. Chemistry - A European Journal, 2015, 21, 7071-7076. | 1.7 | 56 |
| 66 | Aqueous phase sensing of cyanide ions using a hydrolytically stable metalâ€"organic framework. Chemical Communications, 2017, 53, 1253-1256. | 2.2 | 56 |
| 67 | Benchmark uranium extraction from seawater using an ionic macroporous metalâ€"organic framework. Energy and Environmental Science, 2022, 15, 3462-3469. | 15.6 | 55 |
| 68 | Nanotrap Grafted Anion Exchangeable Hybrid Materials for Efficient Removal of Toxic Oxoanions from Water. ACS Central Science, 2020, 6, 1534-1541. | 5.3 | 54 |
| 69 | Selective Anion Exchange and Tunable Luminescent Behaviors of Metalâ€"Organic Framework Based Supramolecular Isomers. Inorganic Chemistry, 2015, 54, 110-116. | 1.9 | 53 |
| 70 | A Water-Stable Cationic Metalâ€"Organic Framework with Hydrophobic Pore Surfaces as an Efficient Scavenger of Oxo-Anion Pollutants from Water. ACS Applied Materials & Interfaces, 2020, 12, 41810-41818. | 4.0 | 51 |
| 71 | Functionalized Ionic Porous Organic Polymers Exhibiting High Iodine Uptake from Both the Vapor and Aqueous Medium. ACS Applied Materials & Interfaces, 2021, 13, 34188-34196. | 4.0 | 51 |
| 72 | Exploiting Framework Flexibility of a Metalâ€"Organic Framework for Selective Adsorption of Styrene over Ethylbenzene. Inorganic Chemistry, 2015, 54, 4403-4408. | 1.9 | 50 |

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| 73 | Base-Resistant Ionic Metal-Organic Framework as a Porous Ion-Exchange Sorbent. IScience, 2018, 3, 21-30. | 1.9 | 50 |
| 74 | Supramolecularly assembled pentameric and octameric water clusters stabilized by a mixed complex of Ni(II). Inorganica Chimica Acta, 2006, 359, 1685-1689. | 1.2 | 47 |
| 75 | Hydrophobic Shielding of Outer Surface: Enhancing the Chemical Stability of Metalâ€“Organic Polyhedra. Angewandte Chemie - International Edition, 2019, 58, 1041-1045. | 7.2 | 45 |
| 76 | Guestâ€Responsive Function of a Dynamic Metalâ€“Organic Framework with a Ï€ Lewis Acidic Pore Surface. Chemistry - A European Journal, 2014, 20, 15303-15308. | 1.7 | 43 |
| 77 | Nitrate-Bridged â€œPseudo-Double-Propellerâ€•Type Lanthanide(III)â€“Copper(II) Heterometallic Clusters: Syntheses, Structures, and Magnetic Properties. Inorganic Chemistry, 2012, 51, 9159-9161. | 1.9 | 42 |
| 78 | Hydrophobic metal-organic frameworks: Potential toward emerging applications. APL Materials, 2019, 7, 050701. | 2.2 | 40 |
| 79 | Metalâ€Organic Frameworks (MOFs) as Functional Supramolecular Architectures for Anion Recognition and Sensing. Chemical Record, 2018, 18, 154-164. | 2.9 | 39 |
| 80 | Rapid, selective capture of toxic oxo-anions of Se(<scp>iv</scp>), Se(<scp>vi</scp>) and As(<scp>v</scp>) from water by an ionic metalâ€“organic framework (iMOF). Journal of Materials Chemistry A, 2021, 9, 6499-6507. | 5.2 | 39 |
| 81 | Enhanced proton conduction by post-synthetic covalent modification in a porous covalent framework. Journal of Materials Chemistry A, 2017, 5, 13659-13664. | 5.2 | 38 |
| 82 | Coordination polymers built from Cu(II) and pyrazine-2,3,5,6-tetracarboxylate or pyridine-2,4,6-tricarboxylate: Structural and magnetic studies. Inorganica Chimica Acta, 2006, 359, 468-474. | 1.2 | 37 |
| 83 | Dynamic Metalâ€“Organic Framework with Anion-Triggered Luminescence Modulation Behavior. Inorganic Chemistry, 2014, 53, 12225-12227. | 1.9 | 37 |
| 84 | Control of Structure Dimensionality and Functional Studies of Flexible Cu<sup>II</sup> Coordination Polymers. Chemistry - an Asian Journal, 2009, 4, 870-875. | 1.7 | 36 |
| 85 | Bimodal Functionality in a Porous Covalent Triazine Framework by Rational Integration of an Electronâ€Rich and â€Deficient Pore Surface. Chemistry - A European Journal, 2016, 22, 4931-4937. | 1.7 | 36 |
| 86 | Metalâ€“Organic Framework-Based Selective Sensing of Biothiols via Chemidosimetric Approach in Water. ACS Omega, 2018, 3, 254-258. | 1.6 | 36 |
| 87 | Imidazoliumâ€Functionalized Chemically Robust Ionic Porous Organic Polymers (<i>i</i>POPs) toward Toxic Oxoâ€Pollutants Capture from Water. Chemistry - A European Journal, 2021, 27, 13442-13449. | 1.7 | 35 |
| 88 | Chemically stable microporous hyper-cross-linked polymer (HCP): an efficient selective cationic dye scavenger from an aqueous medium. Materials Chemistry Frontiers, 2017, 1, 1384-1388. | 3.2 | 34 |
| 89 | Polar Pore Surface Guided Selective CO<sub>2</sub> Adsorption in a Prefunctionalized Metalâ€“Organic Framework. Crystal Growth and Design, 2017, 17, 3581-3587. | 1.4 | 34 |
| 90 | A Dye@MOF composite as luminescent sensory material for selective and sensitive recognition of Fe(III) ions in water. Inorganica Chimica Acta, 2020, 500, 119205. | 1.2 | 34 |

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| 91 | Gas Adsorption, Magnetism, and Single-Crystal to Single-Crystal Transformation Studies of a Three-Dimensional Mn(II) Porous Coordination Polymer. Crystal Growth and Design, 2014, 14, 5585-5592. | 1.4 | 33 |
| 92 | Threeâ€inâ€One C<sub>2</sub>H<sub>2</sub>â€Selectivityâ€Guided Adsorptive Separation across an Isoreticular Family of Cationic Squareâ€Lattice MOFs. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 33 |
| 93 | A Homochiral Luminescent 2D Porous Coordination Polymer with Collagen-Type Triple Helices Showing Selective Guest Inclusion. Inorganic Chemistry, 2012, 51, 4644-4649. | 1.9 | 32 |
| 94 | High hydroxide conductivity in a chemically stable crystalline metalâ€“organic framework containing a water-hydroxide supramolecular chain. Chemical Communications, 2016, 52, 8459-8462. | 2.2 | 32 |
| 95 | Anionâ€Responsive Tunable Bulkâ€Phase Homochirality and Luminescence of a Cationic Framework. Chemistry - A European Journal, 2014, 20, 12399-12404. | 1.7 | 31 |
| 96 | Structures and Magnetic Properties of Two Analogous Dy<sub>6</sub> Wheels with Electron-Donation and -Withdrawal Effects. Inorganic Chemistry, 2014, 53, 7554-7560. | 1.9 | 30 |
| 97 | A hybrid blue perovskite@metalâ€“organic gel (MOG) nanocomposite: simultaneous improvement of luminescence and stability. Chemical Science, 2019, 10, 10524-10530. | 3.7 | 30 |
| 98 | New Heterometallic Carboxylate Frameworks: Synthesis, Structure, Robustness, Flexibility, and Porosity. Inorganic Chemistry, 2009, 48, 7970-7976. | 1.9 | 28 |
| 99 | Amino Acid Based Dynamic Metalâ€“Biomolecule Frameworks. Chemistry - A European Journal, 2013, 19, 11178-11183. | 1.7 | 27 |
| 100 | A luminescent cationic MOF for bimodal recognition of chromium and arsenic based oxo-anions in water. Dalton Transactions, 2021, 50, 10133-10141. | 1.6 | 25 |
| 101 | Probing the Role of Anions in Influencing the Structure, Stability, and Properties in Neutral N-Donor Linker Based Metalâ€“Organic Frameworks. Crystal Growth and Design, 2019, 19, 7046-7054. | 1.4 | 23 |
| 102 | Selective and sensitive recognition of Fe3+ ion by a Lewis basic functionalized chemically stable metal-organic framework (MOF). Inorganica Chimica Acta, 2020, 502, 119359. | 1.2 | 22 |
| 103 | Recognition and Sequestration of Toxic Inorganic Water Pollutants with Hydrolytically Stable Metalâ€Organic Frameworks. Chemical Record, 2021, 21, 1666-1680. | 2.9 | 22 |
| 104 | Efficient Capture of Trace Acetylene by an Ultramicroporous Metalâ€“Organic Framework with Purine Binding Sites. Chemistry of Materials, 2021, 33, 5800-5808. | 3.2 | 22 |
| 105 | Post-synthetically modified metalâ€“organic frameworks for sensing and capture of water pollutants. Dalton Transactions, 2021, 50, 17832-17850. | 1.6 | 22 |
| 106 | Decameric Water Clusters Shaped as Two Parallel Cyclic Pentamers with Staggered Conformation Stabilize Supramolecularly Bonded Infinite Chains of H2PO4â€“ Ions. European Journal of Inorganic Chemistry, 2006, 2006, 1341-1344. | 1.0 | 21 |
| 107 | Single-crystal-to-single-crystal transformation of an anion exchangeable dynamic metalâ€“organic framework. CrystEngComm, 2015, 17, 8796-8800. | 1.3 | 20 |
| 108 | Multifunctional Behavior of Sulfonate-Based Hydrolytically Stable Microporous Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2018, 10, 39049-39055. | 4.0 | 18 |

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| 109 | Unveiling the Impact of Diverse Morphology of Ionic Porous Organic Polymers with Mechanistic Insight on the Ultrafast and Selective Removal of Toxic Pollutants from Water. ACS Applied Materials & Interfaces, 2022, 14, 20042-20052. | 4.0 | 18 |
| 110 | Water dimers connect [Cu(cda)(py)3] (cda=pyridine-4-hydroxy-2,6-dicarboxylate, py=pyridine) complex units to left- and right-handed helices that form a tubular coordination polymer through supramolecular bonding. Inorganica Chimica Acta, 2008, 361, 56-62. | 1.2 | 17 |
| 111 | Binding of various anions in laterally non-symmetric aza-oxa cryptands through H-bonds: characterization of water clusters of different nuclearity. CrystEngComm, 2010, 12, 2967. | 1.3 | 17 |
| 112 | Bistable Dynamic Coordination Polymer Showing Reversible Structural and Functional Transformations. Inorganic Chemistry, 2012, 51, 8317-8321. | 1.9 | 17 |
| 113 | An asymmetrically connected hexanuclear DyIII6 cluster exhibiting slow magnetic relaxation. Inorganic Chemistry Communication, 2013, 35, 144-148. | 1.8 | 17 |
| 114 | Post-synthetically modified metalâ€"organic framework as a scaffold for selective bisulphite recognition in water. Polyhedron, 2018, 156, 1-5. | 1.0 | 17 |
| 115 | Self-assembly of alternating left- and right-handed infinite Cd(II) helicates into a 2D open framework structure. Journal of Molecular Structure, 2006, 796, 119-122. | 1.8 | 16 |
| 116 | Halide binding in laterally non-symmetric aza-oxa cryptands through N/O/Câ€"Hâ‹¯halide interactions with characterization of small water clusters. Dalton Transactions, 2009, , 6496. | 1.6 | 16 |
| 117 | Structural Dynamism and Controlled Chemical Blocking/Unblocking of Active Coordination Space of a Soft Porous Crystal. Inorganic Chemistry, 2013, 52, 12784-12789. | 1.9 | 16 |
| 118 | Coherent Fusion of Water Array and Protonated Amine in a Metalâ€"Sulfate-Based Coordination Polymer for Proton Conduction. Inorganic Chemistry, 2015, 54, 5366-5371. | 1.9 | 16 |
| 119 | Synthesis and Crystal Structure of a Zn(II)-Based MOF Bearing Neutral N-Donor Linker and SiF62âˆ' Anion. Crystals, 2018, 8, 37. | 1.0 | 16 |
| 120 | A Dodecameric Water Cluster Built Around a Cyclic Quasiplanar Hexameric Core in an Organic Supramolecular Complex of a Cryptand. Angewandte Chemie - International Edition, 2004, 43, 4390-4390. | 7.2 | 14 |
| 121 | Hydroxy-functionalized hyper-cross-linked ultra-microporous organic polymers for selective CO2 capture at room temperature. Beilstein Journal of Organic Chemistry, 2016, 12, 1981-1986. | 1.3 | 14 |
| 122 | Trap Inlaid Cationic Hybrid Composite Material for Efficient Segregation of Toxic Chemicals from Water. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 14 |
| 123 | Diversity of binding of sulfate and nitrate anions with laterally asymmetric aza cryptands. CrystEngComm, 2010, 12, 413-419. | 1.3 | 13 |
| 124 | A Waterâ€Stable Ionic MOF for the Selective Capture of Toxic Oxoanions of Se VI and As V and Crystallographic Insight into the Ionâ€Exchange Mechanism. Angewandte Chemie, 2020, 132, 7862-7866. | 1.6 | 13 |
| 125 | Unfolding the Role of Building Units of MOFs with Mechanistic Insight Towards Selective Metal Ions Detection in Water**. Chemistry - A European Journal, 2022, 28, . | 1.7 | 13 |
| 126 | A Bifunctional Metalâ€"Organic Framework: Striking CO<sub>2</sub>â€Selective Sorption Features along with Guestâ€Induced Tuning of Luminescence. ChemPlusChem, 2016, 81, 702-707. | 1.3 | 12 |

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| 127 | Microporous carbon derived from cotton stalk crop-residue across diverse geographical locations as efficient and regenerable CO2 adsorbent with selectivity. Journal of CO2 Utilization, 2022, 60, 101975. | 3.3 | 12 |
| 128 | Toxic Aromatics Induced Responsive Facets for a Pore Surface Functionalized Luminescent Coordination Polymer. Inorganic Chemistry, 2017, 56, 6864-6869. | 1.9 | 10 |
| 129 | Self-assembly of a Co(II) dimer through H-bonding of water molecules to a 3D open-framework structure. Journal of Chemical Sciences, 2005, 117, 23-26. | 0.7 | 9 |
| 130 | Capsule voided nanospace confinement in a Ï€-stacked supramolecular organic solid. CrystEngComm, 2014, 16, 4691. | 1.3 | 9 |
| 131 | Chiral biomolecule based dodecanuclear dysprosium(<scp>iii</scp>)â€“copper(<scp>ii</scp>) clusters: structural analyses and magnetic properties. Inorganic Chemistry Frontiers, 2015, 2, 854-859. | 3.0 | 9 |
| 132 | Neutral Nitrogen Donor Ligandâ€based MOFs for Sensing Applications. Chemistry - an Asian Journal, 2021, 16, 2569-2587. | 1.7 | 9 |
| 133 | Selfâ€Assembled, Fluorineâ€Rich Porous Organic Polymers: A Class of Mechanically Stiff and Hydrophobic Materials. Chemistry - A European Journal, 2018, 24, 11771-11778. | 1.7 | 8 |
| 134 | Hydrophobic Shielding of Outer Surface: Enhancing the Chemical Stability of Metalâ€“Organic Polyhedra. Angewandte Chemie, 2019, 131, 1053-1057. | 1.6 | 8 |
| 135 | Specific recognition of toxic allyl alcohol by pore-functionalized metalâ€“organic frameworks. Molecular Systems Design and Engineering, 2020, 5, 469-476. | 1.7 | 8 |
| 136 | Guest driven structural transformation studies of a luminescent metalâ€“organic framework. Journal of Chemical Sciences, 2014, 126, 1417-1422. | 0.7 | 6 |
| 137 | Metal-organic frameworks for recognition and sequestration of toxic anionic pollutants. , 2019, , 95-140. | | 6 |
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