# Avishek Karmakar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1635474/publications.pdf

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|---|---|---|---|
| 42 papers | 2,797 citations | 201385 27 h-index | 276539 41 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 3387 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Metal-organic frameworks as effective sensors and scavengers for toxic environmental pollutants. National Science Review, 2022, 9, . | 4.6 | 35 |
| 2 | Tuning the excited-state intramolecular proton transfer (ESIPT)-based luminescence of metalâ€“organic frameworks by metal nodes toward versatile photoluminescent applications. Dalton Transactions, 2021, 50, 6901-6912. | 1.6 | 22 |
| 3 | Pressureâ€Responsive Twoâ€Dimensional Metalâ€“Organic Framework Composite Membranes for CO<sub>2</sub> Separation. Angewandte Chemie, 2021, 133, 11419-11426. | 1.6 | 14 |
| 4 | Pressureâ€Responsive Twoâ€Dimensional Metalâ€“Organic Framework Composite Membranes for CO<sub>2</sub> Separation. Angewandte Chemie - International Edition, 2021, 60, 11318-11325. | 7.2 | 73 |
| 5 | InnenrÃ¼cktitelbild: Pressureâ€Responsive Twoâ€Dimensional Metalâ€“Organic Framework Composite Membranes for CO<sub>2</sub> Separation (Angew. Chem. 20/2021). Angewandte Chemie, 2021, 133, 11635-11635. | 1.6 | 1 |
| 6 | Solutionâ€Processable Metalâ€“Organic Framework Nanosheets with Variable Functionalities. Advanced Materials, 2021, 33, e2101257. | 11.1 | 33 |
| 7 | Metalâ€Organic Frameworks: Solutionâ€Processable Metalâ€“Organic Framework Nanosheets with Variable Functionalities (Adv. Mater. 29/2021). Advanced Materials, 2021, 33, 2170228. | 11.1 | 2 |
| 8 | On-Chip Template-Directed Conversion of Metal Hydroxides to Metalâ€“Organic Framework Films with Enhanced Adhesion. ACS Applied Materials & Interfaces, 2020, 12, 36715-36722. | 4.0 | 11 |
| 9 | The Best of Both Worlds: An MOP/COF-Based Hybrid Material for Highly Selective and Very Fast Sequestration of Toxic Oxoanions from Water. ACS Central Science, 2020, 6, 1476-1478. | 5.3 | 4 |
| 10 | Chip-Level Integration of Covalent Organic Frameworks for Trace Benzene Sensing. ACS Sensors, 2020, 5, 1474-1481. | 4.0 | 56 |
| 11 | Accelerated Formation Kinetics of a Multicomponent Metalâ€“Organic Framework Derived from Preferential Site Occupancy. Inorganic Chemistry, 2020, 59, 9350-9355. | 1.9 | 7 |
| 12 | RÃ¼cktitelbild: Thermoâ€Responsive MOF/Polymer Composites for Temperatureâ€Mediated Water Capture and Release (Angew. Chem. 27/2020). Angewandte Chemie, 2020, 132, 11253-11253. | 1.6 | 0 |
| 13 | Thermoâ€Responsive MOF/Polymer Composites for Temperatureâ€Mediated Water Capture and Release. Angewandte Chemie, 2020, 132, 11096-11102. | 1.6 | 11 |
| 14 | Thermoâ€Responsive MOF/Polymer Composites for Temperatureâ€Mediated Water Capture and Release. Angewandte Chemie - International Edition, 2020, 59, 11003-11009. | 7.2 | 101 |
| 15 | Multiscale Design of Flexible Metalâ€“Organic Frameworks. Trends in Chemistry, 2020, 2, 199-213. | 4.4 | 43 |
| 16 | A review of metal-organic frameworks (MOFs) as energy-efficient desiccants for adsorption driven heat-transformation applications. Applied Energy, 2020, 269, 115070. | 5.1 | 101 |
| 17 | Onâ€Chip Tailorability of Capacitive Gas Sensors Integrated with Metalâ€“Organic Framework Films. Angewandte Chemie, 2019, 131, 14227-14232. | 1.6 | 24 |
| 18 | Onâ€Chip Tailorability of Capacitive Gas Sensors Integrated with Metalâ€“Organic Framework Films. Angewandte Chemie - International Edition, 2019, 58, 14089-14094. | 7.2 | 86 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Titelbild: Onâ€Chip Tailorability of Capacitive Gas Sensors Integrated with Metalâ€“Organic Framework Films (Angew. Chem. 40/2019). Angewandte Chemie, 2019, 131, 14137-14137. | 1.6 | 0 |
| 20 | Fluorescent â€œTurnâ€onâ€•Sensing Based on Metalâ€“Organic Frameworks (MOFs). Chemistry - an Asian Journal, 2019, 14, 4506-4519. | 1.7 | 140 |
| 21 | Hybrid MOF-808-Tb nanospheres for highly sensitive and selective detection of acetone vapor and Fe<sup>3+</sup> in aqueous solution. Chemical Communications, 2019, 55, 4727-4730. | 2.2 | 61 |
| 22 | Metal-Organic Frameworks: An Advanced Class of Anion-Exchange Materials. Series on Chemistry, Energy and the Environment, 2018, , 325-375. | 0.3 | 2 |
| 23 | Metalâ€Organic Frameworks (MOFs) as Functional Supramolecular Architectures for Anion Recognition and Sensing. Chemical Record, 2018, 18, 154-164. | 2.9 | 39 |
| 24 | Luminescent Metalâ€“Organic Frameworks for the Detection and Discrimination of o-Xylene from Xylene Isomers. Inorganic Chemistry, 2018, 57, 13631-13639. | 1.9 | 25 |
| 25 | 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 |
| 26 | Aqueous phase sensing of cyanide ions using a hydrolytically stable metalâ€“organic framework. Chemical Communications, 2017, 53, 1253-1256. | 2.2 | 56 |
| 27 | Guest-Responsive Metalâ€“Organic Frameworks as Scaffolds for Separation and Sensing Applications. Accounts of Chemical Research, 2017, 50, 2457-2469. | 7.6 | 241 |
| 28 | Post-synthetically modified porous covalent framework (PCF) for high proton conduction. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1156-C1156. | 0.0 | 0 |
| 29 | Water-stable MOF for recognition and sequestration of oxoanion pollutants. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1334-C1334. | 0.0 | 0 |
| 30 | 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 |
| 31 | 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 |
| 32 | Hydrogenâ€Bonded Organic Frameworks (HOFs): A New Class of Porous Crystalline Protonâ€Conducting Materials. Angewandte Chemie, 2016, 128, 10825-10829. | 1.6 | 76 |
| 33 | 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 |
| 34 | 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 |
| 35 | A Waterâ€Stable Cationic Metalâ€“Organic Framework as a Dual Adsorbent of Oxoanion Pollutants. Angewandte Chemie, 2016, 128, 7942-7946. | 1.6 | 59 |
| 36 | Ionic metal-organic frameworks (iMOFs): Design principles and applications. Coordination Chemistry Reviews, 2016, 307, 313-341. | 9.5 | 261 |

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|---|---|---|---|
| 37 | Single-crystal-to-single-crystal transformation of an anion exchangeable dynamic metalâ€“organic framework. CrystEngComm, 2015, 17, 8796-8800. | 1.3 | 20 |
| 38 | 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 |
| 39 | Selective Anion Exchange and Tunable Luminescent Behaviors of Metalâ€“Organic Framework Based Supramolecular Isomers. Inorganic Chemistry, 2015, 54, 110-116. | 1.9 | 53 |
| 40 | Anionâ€Responsive Tunable Bulkâ€Phase Homochirality and Luminescence of a Cationic Framework. Chemistry - A European Journal, 2014, 20, 12399-12404. | 1.7 | 31 |
| 41 | Dynamic Metalâ€“Organic Framework with Anion-Triggered Luminescence Modulation Behavior. Inorganic Chemistry, 2014, 53, 12225-12227. | 1.9 | 37 |
| 42 | 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 |