# Manuel Tsotsalas

List of Publications by Year
in descending order

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|---|---|---|---|
| 51 papers | 2,142 citations | 236925 25 h-index | 233421 45 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 3168 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | MOF Synthesis Prediction Enabled by Automatic Data Mining and Machine Learning**. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 59 |
| 2 | MOFSocialNet: Exploiting Metal-Organic Framework Relationships via Social Network Analysis. Nanomaterials, 2022, 12, 704. | 4.1 | 9 |
| 3 | Spectroscopic Investigation of Bianthrylâ€Based Metalâ€“Organic Framework Thin Films and Their Photoinduced Topotactic Transformation. Advanced Materials Interfaces, 2022, 9, . | 3.7 | 4 |
| 4 | Dynamic Surface Modification of Metalâ€“Organic Framework Nanoparticles via Alkoxyamine Functional Groups. Langmuir, 2022, 38, 6531-6538. | 3.5 | 4 |
| 5 | Covalent Adaptable Networks Based on Dynamic Alkoxyamine Bonds. Macromolecular Materials and Engineering, 2022, 307, . | 3.6 | 8 |
| 6 | Aktuelle Trends zu Metallâ€organischen und kovalenten organischen Netzwerken als Membranmaterialien. Angewandte Chemie, 2021, 133, 15281-15293. | 2.0 | 6 |
| 7 | Current Trends in Metalâ€“Organic and Covalent Organic Framework Membrane Materials. Angewandte Chemie - International Edition, 2021, 60, 15153-15164. | 13.8 | 96 |
| 8 | Performance Fabrics Obtained by In Situ Growth of Metalâ€“Organic Frameworks in Electrospun Fibers. ACS Applied Materials & Interfaces, 2021, 13, 12491-12500. | 8.0 | 31 |
| 9 | Dynamic porous organic polymers with tuneable crosslinking degree and porosity. RSC Advances, 2021, 11, 27714-27719. | 3.6 | 12 |
| 10 | Rigid Multidimensional Alkoxyamines: A Versatile Building Block Library. European Journal of Organic Chemistry, 2021, 2021, 239-245. | 2.4 | 2 |
| 11 | Assembly of Molecular Building Blocks into Integrated Complex Functional Molecular Systems: Structuring Matter Made to Order. Advanced Functional Materials, 2020, 30, 1907625. | 14.9 | 34 |
| 12 | Flash synthesis for conformal monolithic coatings of the Zr-based metal-organic framework (UiO-66-NH2) on non-modified surfaces: Applications in thin-film electrode systems. Surfaces and Interfaces, 2020, 20, 100587. | 3.0 | 5 |
| 13 | Polymerization in MOF-Confined Nanospaces: Tailored Architectures, Functions, and Applications. Langmuir, 2020, 36, 10657-10673. | 3.5 | 35 |
| 14 | Design of Metal-Organic Framework Templated Materials Using High-Throughput Computational Screening. Molecules, 2020, 25, 4875. | 3.8 | 11 |
| 15 | Dynamic covalent polymer networks via combined nitroxide exchange reaction and nitroxide mediated polymerization. Polymer Chemistry, 2020, 11, 2502-2510. | 3.9 | 17 |
| 16 | Electrolytic Conversion of Sacrificial Metalâ€“Organic Framework Thin Films into an Electrocatalytically Active Monolithic Oxide Coating for the Oxygenâ€Evolution Reaction. Energy Technology, 2019, 7, 1900967. | 3.8 | 13 |
| 17 | Synthesis, Transfer, and Gas Separation Characteristics of MOF-Templated Polymer Membranes. Membranes, 2019, 9, 124. | 3.0 | 10 |
| 18 | Recycling and self-healing of dynamic covalent polymer networks with a precisely tuneable crosslinking degree. Polymer Chemistry, 2019, 10, 672-678. | 3.9 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Rising Up: Hierarchical Metalâ€“Organic Frameworks in Experiments and Simulations. Advanced Materials, 2019, 31, e1901744. | 21.0 | 103 |
| 20 | Metalâ€“Organic Framework-Templated Biomaterials: Recent Progress in Synthesis, Functionalization, and Applications. Accounts of Chemical Research, 2019, 52, 1598-1610. | 15.6 | 112 |
| 21 | Self-reporting and refoldable profluorescent single-chain nanoparticles. Chemical Science, 2018, 9, 4696-4702. | 7.4 | 27 |
| 22 | High Antimicrobial Activity of Metalâ€“Organic Framework-Templated Porphyrin Polymer Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 1528-1533. | 8.0 | 74 |
| 23 | Bringing Porous Organic and Carbonâ€Based Materials toward Thinâ€Film Applications. Advanced Functional Materials, 2018, 28, 1801545. | 14.9 | 53 |
| 24 | Functional microporous polymers through Cu-mediated, free-radical polymerization of buckminster [60] fullerene. Carbon, 2017, 118, 215-224. | 10.3 | 7 |
| 25 | Pt Immobilization within a Tailored Porous-Organic Polymerâ€“Graphene Composite: Opportunities in the Hydrogen Evolving Reaction. ACS Catalysis, 2017, 7, 7847-7854. | 11.2 | 35 |
| 26 | Excitonically Coupled States in Crystalline Coordination Networks. Chemistry - A European Journal, 2017, 23, 14316-14322. | 3.3 | 30 |
| 27 | Localized Conversion of Metalâ€“Organic Frameworks into Polymer Gels via Light-Induced Click Chemistry. Chemistry of Materials, 2017, 29, 5982-5989. | 6.7 | 26 |
| 28 | Fast and efficient synthesis of microporous polymer nanomembranes via light-induced click reaction. Beilstein Journal of Organic Chemistry, 2017, 13, 558-563. | 2.2 | 11 |
| 29 | Tuning the Cell Adhesion on Biofunctionalized Nanoporous Organic Frameworks. Advanced Functional Materials, 2016, 26, 8455-8462. | 14.9 | 29 |
| 30 | Radical exchange reaction of multi-spin isoindoline nitroxides followed by EPR spectroscopy. RSC Advances, 2016, 6, 55715-55719. | 3.6 | 19 |
| 31 | Freestanding MOF Microsheets with Defined Size and Geometry Using Superhydrophobicâ€“Superhydrophilic Arrays. Advanced Materials Interfaces, 2016, 3, 1500392. | 3.7 | 32 |
| 32 | Surface functionalization of conjugated microporous polymer thin films and nanomembranes using orthogonal chemistries. Journal of Materials Chemistry A, 2016, 4, 6815-6818. | 10.3 | 24 |
| 33 | Layer-by-layer Synthesis and Transfer of Freestanding Conjugated Microporous Polymer Nanomembranes. Journal of Visualized Experiments, 2015, , e53324. | 0.3 | 3 |
| 34 | Covalently Linked Organic Networks. Frontiers in Materials, 2015, 2, . | 2.4 | 6 |
| 35 | Hierarchically Functionalized Magnetic Core/Multishell Particles and Their Postsynthetic Conversion to Polymer Capsules. ACS Nano, 2015, 9, 4219-4226. | 14.6 | 39 |
| 36 | Nanomechanical investigation of thin-film electroceramic/metal-organic framework multilayers. Applied Physics Letters, 2015, 107, . | 3.3 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Terahertz near-field phase contrast imaging. , 2014, , . | | 0 |
| 38 | Terahertz phase contrast imaging of sorption kinetics in porous coordination polymer nanocrystals using differential optical resonator. Optics Express, 2014, 22, 11061. | 3.4 | 3 |
| 39 | Preparation of Freestanding Conjugated Microporous Polymer Nanomembranes for Gas Separation. Chemistry of Materials, 2014, 26, 7189-7193. | 6.7 | 117 |
| 40 | Fabrication of Highly Uniform Gel Coatings by the Conversion of Surface-Anchored Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2014, 136, 8-11. | 13.7 | 116 |
| 41 | Electrochemical investigation of covalently post-synthetic modified SURGEL coatings. Chemical Communications, 2014, 50, 11129-11131. | 4.1 | 22 |
| 42 | Internalization Pathways of Anisotropic Discâ€Shaped Zeolite L Nanocrystals with Different Surface Properties in HeLa Cancer Cells. Small, 2013, 9, 1809-1820. | 10.0 | 38 |
| 43 | Impact of Molecular Clustering inside Nanopores on Desorption Processes. Journal of the American Chemical Society, 2013, 135, 4608-4611. | 13.7 | 28 |
| 44 | Crystal morphology-directed framework orientation in porous coordination polymer films and freestanding membranes via Langmuirâ€“Blodgettry. Journal of Materials Chemistry, 2012, 22, 10159. | 6.7 | 74 |
| 45 | Mesoscopic architectures of porous coordination polymers fabricated by pseudomorphic replication. Nature Materials, 2012, 11, 717-723. | 27.5 | 352 |
| 46 | Porous Coordination Polymer Hybrid Device with Quartz Oscillator: Effect of Crystal Size on Sorption Kinetics. Journal of the American Chemical Society, 2011, 133, 11932-11935. | 13.7 | 98 |
| 47 | Dynamic Microcrystal Assembly by Nitroxide Exchange Reactions. Angewandte Chemie - International Edition, 2010, 49, 6881-6884. | 13.8 | 79 |
| 48 | Encapsulating 111In in Nanocontainers for Scintigraphic Imaging: Synthesis, Characterization, and In Vivo Biodistribution. ACS Nano, 2010, 4, 342-348. | 14.6 | 82 |
| 49 | Functionalized Nanocontainers as Dual Magnetic and Optical Probes for Molecular Imaging Applications. Chemistry of Materials, 2008, 20, 5888-5893. | 6.7 | 73 |
| 50 | MOF Synthesis Prediction Enabled by Automatic Data Mining and Machine Learning. Angewandte Chemie, 0, , . | 2.0 | 1 |
| 51 | Solid and Hollow Poly(p-xylylene) Particles Synthesis via Metalâ€“Organic Framework-Templated Chemical Vapor Polymerization. Chemistry of Materials, 0, , . | 6.7 | 4 |