

Miguel Rivera-Torrente

List of Publications by Year in descending order

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12
papers

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1040056

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343
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Spectroscopy, microscopy, diffraction and scattering of archetypal MOFs: formation, metal sites in catalysis and thin films. <i>Chemical Society Reviews</i> , 2020, 49, 6694-6732. | 38.1 | 71 |
| 2 | Metal-Organic Frameworks as Catalyst Supports: Influence of Lattice Disorder on Metal Nanoparticle Formation. <i>Chemistry - A European Journal</i> , 2018, 24, 7498-7506. | 3.3 | 29 |
| 3 | Ethylene Polymerization over Metal-Organic Framework Crystallites and the Influence of Linkers on Their Fracturing Process. <i>ACS Catalysis</i> , 2019, 9, 3059-3069. | 11.2 | 29 |
| 4 | Impact of Niobium in the Metal-Organic Framework-Mediated Synthesis of Co-Based Catalysts for Synthesis Gas Conversion. <i>Catalysis Letters</i> , 2019, 149, 3279-3286. | 2.6 | 16 |
| 5 | Micro-spectroscopy of HKUST-1 metal-organic framework crystals loaded with tetracyanoquinodimethane: effects of water on host-guest chemistry and electrical conductivity. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25678-25689. | 2.8 | 15 |
| 6 | In Situ Spectroscopy of Calcium Fluoride Anchored Metal-Organic Framework Thin Films during Gas Sorption. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19545-19552. | 13.8 | 13 |
| 7 | Multi-Spectroscopic Interrogation of the Spatial Linker Distribution in Defect-Engineered Metal-Organic Framework Crystals: The [Cu ₃ (btc) ₂ × (cydc) _x] Showcase. <i>Chemistry - A European Journal</i> , 2020, 26, 3614-3625. | 3.3 | 12 |
| 8 | Nanoweb Surface-Mounted Metal-Organic Framework Films with Tunable Amounts of Acid Sites as Tailored Catalysts. <i>Chemistry - A European Journal</i> , 2020, 26, 691-698. | 3.3 | 11 |
| 9 | Visualizing defects and pore connectivity within metal-organic frameworks by X-ray transmission tomography. <i>Chemical Science</i> , 2021, 12, 8458-8467. | 7.4 | 10 |
| 10 | In Situ Spectroscopy of Calcium Fluoride Anchored Metal-Organic Framework Thin Films during Gas Sorption. <i>Angewandte Chemie</i> , 2020, 132, 19713-19720. | 2.0 | 6 |
| 11 | Understanding the Effects of Binders in Gas Sorption and Acidity of Aluminium Fumarate Extrudates. <i>Chemistry - A European Journal</i> , 2022, 28, . | 3.3 | 6 |
| 12 | Influence of Pore Structure and Metal-Node Geometry on the Polymerization of Ethylene over Cr-Based Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2021, 27, 5769-5781. | 3.3 | 5 |