

# Sharon J Mitchell

## List of Publications by Citations

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114  
papers

5,841  
citations

42  
h-index

74  
g-index

134  
ext. papers

7,318  
ext. citations

11.5  
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6.31  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 114 | Indium Oxide as a Superior Catalyst for Methanol Synthesis by CO <sub>2</sub> Hydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6261-5   | 16.4 | 486       |
| 113 | A heterogeneous single-atom palladium catalyst surpassing homogeneous systems for Suzuki coupling. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 702-707  | 28.7 | 316       |
| 112 | Single-Atom Catalysts across the Periodic Table. <i>Chemical Reviews</i> , <b>2020</b> , 120, 11703-11809  | 68.1 | 237       |
| 111 | Mesopore quality determines the lifetime of hierarchically structured zeolite catalysts. <i>Nature Communications</i> , <b>2014</b> , 5,   | 17.4 | 221       |
| 110 | Visualization of hierarchically structured zeolite bodies from macro to nano length scales. <i>Nature Chemistry</i> , <b>2012</b> , 4, 825-31  | 17.6 | 200       |
| 109 | Full Compositional Flexibility in the Preparation of Mesoporous MFI Zeolites by Desilication. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 14193-14203  | 3.8  | 189       |
| 108 | The Multifaceted Reactivity of Single-Atom Heterogeneous Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15316-15329   | 16.4 | 179       |
| 107 | Stabilization of Single Metal Atoms on Graphitic Carbon Nitride. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605785  | 15.6 | 172       |
| 106 | From powder to technical body: the undervalued science of catalyst scale up. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 6094-112  | 58.5 | 170       |
| 105 | Structural analysis of hierarchically organized zeolites. <i>Nature Communications</i> , <b>2015</b> , 6, 8633   | 17.4 | 168       |
| 104 | Structure-performance descriptors and the role of Lewis acidity in the methanol-to-propylene process. <i>Nature Chemistry</i> , <b>2018</b> , 10, 804-812  | 17.6 | 145       |
| 103 | From the Lindlar catalyst to supported ligand-modified palladium nanoparticles: selectivity patterns and accessibility constraints in the continuous-flow three-phase hydrogenation of acetylenic compounds. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 5926-37 | 4.8  | 120       |
| 102 | Effects of Binders on the Performance of Shaped Hierarchical MFI Zeolites in Methanol-to-Hydrocarbons. <i>ACS Catalysis</i> , <b>2014</b> , 4, 2409-2417   | 13.1 | 118       |
| 101 | Enhanced Reduction of CO <sub>2</sub> to CO over Cu <sup>I</sup> Electrocatalysts: Catalyst Evolution Is the Key. <i>ACS Catalysis</i> , <b>2016</b> , 6, 6265-6274  | 13.1 | 114       |
| 100 | Selective ensembles in supported palladium sulfide nanoparticles for alkyne semi-hydrogenation. <i>Nature Communications</i> , <b>2018</b> , 9, 2634   | 17.4 | 110       |
| 99  | Hierarchical FAU- and LTA-Type Zeolites by Post-Synthetic Design: A New Generation of Highly Efficient Base Catalysts. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1923-1934  | 15.6 | 101       |
| 98  | Superior Mass Transfer Properties of Technical Zeolite Bodies with Hierarchical Porosity. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 209-219   | 15.6 | 91        |

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| 97 | Porosity-Acidity Interplay in Hierarchical ZSM-5 Zeolites for Pyrolysis Oil Valorization to Aromatics. <i>ChemSusChem</i> , <b>2015</b> , 8, 3283-93  | 8.3  | 86 |
| 96 | Single-atom heterogeneous catalysts based on distinct carbon nitride scaffolds. <i>National Science Review</i> , <b>2018</b> , 5, 642-652   | 10.8 | 82 |
| 95 | Interdependence between porosity, acidity, and catalytic performance in hierarchical ZSM-5 zeolites prepared by post-synthetic modification. <i>Journal of Catalysis</i> , <b>2013</b> , 308, 398-407 | 7.3  | 82 |
| 94 | Surface and Pore Structure Assessment of Hierarchical MFI Zeolites by Advanced Water and Argon Sorption Studies. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 18816-18823              | 3.8  | 80 |
| 93 | Expanding the Horizons of Hierarchical Zeolites: Beyond Laboratory Curiosity towards Industrial Realization. <i>ChemCatChem</i> , <b>2011</b> , 3, 1731-1734  | 5.2  | 78 |
| 92 | Impact of pore connectivity on the design of long-lived zeolite catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1591-4  | 16.4 | 76 |
| 91 | Mesoporous zeolites as enzyme carriers: Synthesis, characterization, and application in biocatalysis. <i>Catalysis Today</i> , <b>2011</b> , 168, 28-37   | 5.3  | 74 |
| 90 | Prospectives for bio-oil upgrading via esterification over zeolite catalysts. <i>Catalysis Today</i> , <b>2014</b> , 235, 176-183   | 5.3  | 73 |
| 89 | Design of Local Atomic Environments in Single-Atom Electrocatalysts for Renewable Energy Conversions. <i>Advanced Materials</i> , <b>2021</b> , 33, e2003075  | 24   | 73 |
| 88 | Deactivation mechanisms of tin-zeolites in biomass conversions. <i>Green Chemistry</i> , <b>2016</b> , 18, 1249-1260  | 10   | 72 |
| 87 | Single atom catalysis: a decade of stunning progress and the promise for a bright future. <i>Nature Communications</i> , <b>2020</b> , 11, 4302   | 17.4 | 67 |
| 86 | Atom-by-Atom Resolution of Structure-Function Relations over Low-Nuclearity Metal Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8724-8729                           | 16.4 | 64 |
| 85 | Hierarchical Zeolites by Desilication: Occurrence and Catalytic Impact of Recrystallization and Restructuring. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 5025-5035                         | 3.5  | 64 |
| 84 | Nanoscale engineering of catalytic materials for sustainable technologies. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 129-139   | 28.7 | 62 |
| 83 | Towards more efficient monodimensional zeolite catalysts: n-alkane hydro-isomerisation on hierarchical ZSM-22. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 1331                        | 5.5  | 61 |
| 82 | Semihydrogenation of Acetylene on Indium Oxide: Proposed Single-Ensemble Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10755-10760                                  | 16.4 | 58 |
| 81 | Tailoring the framework composition of carbon nitride to improve the catalytic efficiency of the stabilised palladium atoms. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16393-16403   | 13   | 57 |
| 80 | Decoupling porosity and compositional effects on desilicated ZSM-5 zeolites for optimal alkylation performance. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 759                        | 5.5  | 55 |

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| 79 | Synergistic effects in silver/indium electrocatalysts for carbon dioxide reduction. <i>Journal of Catalysis</i> , <b>2016</b> , 343, 266-277   | 7.3  | 54 |
| 78 | Deoxygenation of bio-oil over solid base catalysts: From model to realistic feeds. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 184, 77-86  | 21.8 | 51 |
| 77 | Indium Oxide as a Superior Catalyst for Methanol Synthesis by CO <sub>2</sub> Hydrogenation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6369-6373   | 3.6  | 50 |
| 76 | Bifunctional Cu/H-ZSM-5 zeolite with hierarchical porosity for hydrocarbon abatement under cold-start conditions. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 154-155, 161-170                   | 21.8 | 49 |
| 75 | Controlling the speciation and reactivity of carbon-supported gold nanostructures for catalysed acetylene hydrochlorination. <i>Chemical Science</i> , <b>2019</b> , 10, 359-369                               | 9.4  | 48 |
| 74 | Interfacial acidity in ligand-modified ruthenium nanoparticles boosts the hydrogenation of levulinic acid to gamma-valerolactone. <i>Green Chemistry</i> , <b>2017</b> , 19, 2361-2370                         | 10   | 48 |
| 73 | Quantifying the Complex Pore Architecture of Hierarchical Faujasite Zeolites and the Impact on Diffusion. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5621-5630                                   | 15.6 | 44 |
| 72 | Ligand ordering determines the catalytic response of hybrid palladium nanoparticles in hydrogenation. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1621-1631                                     | 5.5  | 41 |
| 71 | Hydroxyapatite, an exceptional catalyst for the gas-phase deoxygenation of bio-oil by aldol condensation. <i>Green Chemistry</i> , <b>2014</b> , 16, 4870-4874   | 10   | 40 |
| 70 | Scalable two-step annealing method for preparing ultra-high-density single-atom catalyst libraries. <i>Nature Nanotechnology</i> , <b>2021</b> ,   | 28.7 | 40 |
| 69 | Role of Carbonaceous Supports and Potassium Promoter on Higher Alcohols Synthesis over Copper/Iron Catalysts. <i>ACS Catalysis</i> , <b>2018</b> , 8, 9604-9618  | 13.1 | 40 |
| 68 | Aluminum Redistribution during the Preparation of Hierarchical Zeolites by Desilication. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 14156-64  | 4.8  | 37 |
| 67 | Engineering of ZSM-5 zeolite crystals for enhanced lifetime in the production of light olefins via 2-methyl-2-butene cracking. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 64-74                | 5.5  | 36 |
| 66 | Unified method for the total pore volume and pore size distribution of hierarchical zeolites from argon adsorption and mercury intrusion. <i>Langmuir</i> , <b>2015</b> , 31, 1242-7                           | 4    | 35 |
| 65 | Design of a technical Mg/Al mixed oxide catalyst for the continuous manufacture of glycerol carbonate. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16200-16211                                  | 13   | 33 |
| 64 | Design of Base Zeolite Catalysts by Alkali-Metal Grafting in Alcoholic Media. <i>ACS Catalysis</i> , <b>2015</b> , 5, 5388-5396  | 15.1 | 33 |
| 63 | Rediscovering zeolite mechanochemistry: A pathway beyond current synthesis and modification boundaries. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 194, 106-114                               | 5.3  | 33 |
| 62 | Hierarchically Structured Zeolite Bodies: Assembling Micro-, Meso-, and Macroporosity Levels in Complex Materials with Enhanced Properties. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2509-2518 | 15.6 | 33 |

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| 61 | A synchrotron radiation study of the hydrothermal synthesis of layered double hydroxides from MgO and Al <sub>2</sub> O <sub>3</sub> slurries. <i>Green Chemistry</i> , <b>2007</b> , 9, 373                                  | 10   | 29 |
| 60 | Die facettenreiche Reaktivität heterogener Einzelatom-Katalysatoren. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15538-15552  | 3.6  | 29 |
| 59 | Lanthanide compounds as catalysts for the one-step synthesis of vinyl chloride from ethylene. <i>Journal of Catalysis</i> , <b>2016</b> , 344, 524-534  | 7.3  | 28 |
| 58 | Mechanochemically Activated, Calcium Oxide-Based, Magnesium Oxide-Stabilized Carbon Dioxide Sorbents. <i>ChemSusChem</i> , <b>2016</b> , 9, 2380-90   | 8.3  | 27 |
| 57 | Tailoring Nitrogen-Doped Carbons as Hosts for Single-Atom Catalysts. <i>ChemCatChem</i> , <b>2019</b> , 11, 2812-2830   | 13.1 | 26 |
| 56 | Europium Oxybromide Catalysts for Efficient Bromine Looping in Natural Gas Valorization. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9791-9795   | 16.4 | 23 |
| 55 | Hierarchical zeolites overcome all obstacles: next stop industrial implementation. <i>Chimia</i> , <b>2013</b> , 67, 327-332  | 3.5  | 23 |
| 54 | Preparation of organic-functionalized mesoporous ZSM-5 zeolites by consecutive desilication and silanization. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 127, 278-284   | 4.4  | 21 |
| 53 | The assessment of pore connectivity in hierarchical zeolites using positron annihilation lifetime spectroscopy: instrumental and morphological aspects. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 9211-9 | 3.6  | 21 |
| 52 | Perturbing the properties of layered double hydroxides by continuous coprecipitation with short residence time. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 5878  | 13.1 | 20 |
| 51 | Mapping the Birth and Evolution of Pores upon Thermal Activation of Layered Hydroxides. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4052-4062   | 9.6  | 18 |
| 50 | Tunability and Scalability of Single-Atom Catalysts Based on Carbon Nitride. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5223-5230  | 8.3  | 17 |
| 49 | Carrier-Induced Modification of Palladium Nanoparticles on Porous Boron Nitride for Alkyne Semi-Hydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19639-19644                               | 16.4 | 17 |
| 48 | Advanced visualization strategies bridge the multidimensional complexity of technical catalysts. <i>Current Opinion in Chemical Engineering</i> , <b>2013</b> , 2, 304-311  | 5.4  | 17 |
| 47 | Structural analysis of IPC zeolites and related materials using positron annihilation spectroscopy and high-resolution argon adsorption. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 15269-77              | 3.6  | 17 |
| 46 | Atomically precise control in the design of low-nuclearity supported metal catalysts. <i>Nature Reviews Materials</i> ,   | 73.3 | 17 |
| 45 | Ensemble Design in Nickel Phosphide Catalysts for Alkyne Semi-Hydrogenation. <i>ChemCatChem</i> , <b>2019</b> , 11, 457-464   | 5.2  | 16 |
| 44 | Selective Methane Oxybromination over Nanostructured Ceria Catalysts. <i>ACS Catalysis</i> , <b>2018</b> , 8, 291-303   | 13.1 | 16 |

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| 43 | Epitaxially Directed Iridium Nanostructures on Titanium Dioxide for the Selective Hydrodechlorination of Dichloromethane. <i>ACS Catalysis</i> , <b>2020</b> , 10, 528-542   | 13.1 | 15 |
| 42 | Structure Sensitivity and Evolution of Nickel-Bearing Nitrogen-Doped Carbons in the Electrochemical Reduction of CO <sub>2</sub> . <i>ACS Catalysis</i> , <b>2020</b> , 10, 3444-3454  | 13.1 | 14 |
| 41 | Structuring hybrid palladium nanoparticles in metallic monolithic reactors for continuous-flow three-phase alkyne hydrogenation. <i>Reaction Chemistry and Engineering</i> , <b>2016</b> , 1, 454-462  | 4.9  | 14 |
| 40 | Insights into the Mechanism of Zeolite Detemplation by Positron Annihilation Lifetime Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 25451-25461  | 3.8  | 14 |
| 39 | Structuring zeolite bodies for enhanced heat-transfer properties. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 208, 196-202   | 5.3  | 14 |
| 38 | Semihydrogenation of Acetylene on Indium Oxide: Proposed Single-Ensemble Catalysis. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10895-10900  | 3.6  | 13 |
| 37 | Impact of Pore Connectivity on the Design of Long-Lived Zeolite Catalysts. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1611-1614   | 3.6  | 13 |
| 36 | Comparative study of the synthesis of layered transition metal molybdates. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 198-207  | 3.3  | 13 |
| 35 | Visualising compositional heterogeneity during the scale up of multicomponent zeolite bodies. <i>Materials Horizons</i> , <b>2017</b> , 4, 857-861   | 14.4 | 12 |
| 34 | Activation of Copper Species on Carbon Nitride for Enhanced Activity in the Arylation of Amines. <i>ACS Catalysis</i> , <b>2020</b> , 10, 11069-11080  | 13.1 | 12 |
| 33 | Atom-by-Atom Resolution of Structure-Function Relations over Low-Nuclearity Metal Catalysts. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8816-8821   | 3.6  | 11 |
| 32 | Impact of carrier acidity on the conversion of syngas to higher alcohols over zeolite-supported copper-iron catalysts. <i>Journal of Catalysis</i> , <b>2019</b> , 371, 116-125  | 7.3  | 11 |
| 31 | Elucidating the Distribution and Speciation of Boron and Cesium in BCsX Zeolite Catalysts for Styrene Production. <i>ChemPhysChem</i> , <b>2018</b> , 19, 437-445  | 3.2  | 10 |
| 30 | An Activated TiCBiC Composite for Natural Gas Upgrading via Catalytic Oxyhalogenation. <i>ChemCatChem</i> , <b>2018</b> , 10, 1282-1290  | 5.2  | 9  |
| 29 | Europium Oxybromide Catalysts for Efficient Bromine Looping in Natural Gas Valorization. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 9923-9927   | 3.6  | 7  |
| 28 | Pore Topology Effects in Positron Annihilation Spectroscopy of Zeolites. <i>ChemPhysChem</i> , <b>2017</b> , 18, 470-479   | 3.7  | 7  |
| 27 | Structure analysis of a BEC-type germanosilicate zeolite including the location of the flexible organic cations in the channels. <i>CrystEngComm</i> , <b>2015</b> , 17, 4865-4870   | 3.3  | 7  |
| 26 | The application of focused microwave irradiation coupled with freeze drying to investigate the reaction of MgO and Al <sub>2</sub> O <sub>3</sub> slurries in the formation of layered double hydroxides. <i>Green Chemistry</i> , <b>2008</b> , 10, 629 | 10   | 7  |

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| 25 | Carrier-Induced Modification of Palladium Nanoparticles on Porous Boron Nitride for Alkyne Semi-Hydrogenation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19807-19812   | 3.6  | 7 |
| 24 | Precursor Nuclearity and Ligand Effects in Atomically-Dispersed Heterogeneous Iron Catalysts for Alkyne Semi-Hydrogenation. <i>ChemCatChem</i> , <b>2021</b> , 13, 3247-3256   | 5.2  | 7 |
| 23 | Nitrogen-Doped Carbons with Hierarchical Porosity via Chemical Blowing Towards Long-Lived Metal-Free Catalysts for Acetylene Hydrochlorination. <i>ChemCatChem</i> , <b>2020</b> , 12, 1922-1925   | 5.2  | 6 |
| 22 | Shedding New Light on Nanostructured Catalysts with Positron Annihilation Spectroscopy. <i>Small Methods</i> , <b>2018</b> , 2, 1800268  | 12.8 | 5 |
| 21 | Acidity Effects in Positron Annihilation Lifetime Spectroscopy of Zeolites. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 3443-3453  | 3.8  | 4 |
| 20 | Hierarchically Structured MnO <sub>2</sub> -Co/C Nanocomposites: Highly Efficient and Magnetically Recyclable Catalysts for the Aerobic Oxidation of Alcohols. <i>ChemCatChem</i> , <b>2015</b> , 7, 2585-2589   | 5.2  | 4 |
| 19 | From the Lindlar Catalyst to Supported Ligand-Modified Palladium Nanoparticles: Selectivity Patterns and Accessibility Constraints in the Continuous-Flow Three-Phase Hydrogenation of Acetylenic Compounds. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 5849-5849 | 4.8  | 4 |
| 18 | Impact of Heteroatom Speciation on the Activity and Stability of Carbon-Based Catalysts for Propane Dehydrogenation. <i>ChemCatChem</i> , <b>2021</b> , 13, 2599-2608  | 5.2  | 4 |
| 17 | Automated Image Analysis for Single-Atom Detection in Catalytic Materials by Transmission Electron Microscopy.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,  | 16.4 | 4 |
| 16 | Design of hydrothermally-stable dawsonite-based sorbents in technical form for CO <sub>2</sub> capture. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 3640-3650   | 35.4 | 3 |
| 15 | Dual catalyst system for selective vinyl chloride production via ethene oxychlorination. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 560-575   | 5.5  | 3 |
| 14 | Catalysts: Stabilization of Single Metal Atoms on Graphitic Carbon Nitride (Adv. Funct. Mater. 8/2017). <i>Advanced Functional Materials</i> , <b>2017</b> , 27,   | 15.6 | 2 |
| 13 | Substrate substitution effects in the Fries rearrangement of aryl esters over zeolite catalysts. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 4282-4292   | 5.5  | 2 |
| 12 | Natural Wood-Based Catalytic Membrane Microreactors for Continuous Hydrogen Generation.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,   | 9.5  | 2 |
| 11 | Aluminum Redistribution in ZSM-5 Zeolite upon Interaction with Gaseous Halogens and Hydrogen Halides and Implications in Catalysis. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 722-733  | 3.8  | 2 |
| 10 | Hydrotalcite-Derived Mixed Oxides for the Synthesis of a Key Vitamin A Intermediate Reducing Waste. <i>ACS Omega</i> , <b>2018</b> , 3, 15293-15301  | 3.9  | 2 |
| 9  | Redispersion strategy for high-loading carbon-supported metal catalysts with controlled nuclearity.. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 5953-5961   | 13   | 1 |
| 8  | Carbon-Supported Bimetallic Ruthenium-Iridium Catalysts for Selective and Stable Hydrodebromination of Dibromomethane. <i>ChemCatChem</i> ,  | 5.2  | 1 |

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| 7 | Positron Annihilation Spectroscopy: Shedding New Light on Nanostructured Catalysts with Positron Annihilation Spectroscopy (Small Methods 12/2018). <i>Small Methods</i> , <b>2018</b> , 2, 1800060                                | 12.8 | 1 |
| 6 | Single-atom heterogeneous catalysts for sustainable organic synthesis. <i>Trends in Chemistry</i> , <b>2022</b> , 4, 264-278   | 14.7 | 1 |
| 5 | Pore Topology Effects in Positron Annihilation Spectroscopy of Zeolites. <i>ChemPhysChem</i> , <b>2017</b> , 18, 428-428   | 3.2  |   |
| 4 | Hierarchical Structures: Quantifying the Complex Pore Architecture of Hierarchical Faujasite Zeolites and the Impact on Diffusion (Adv. Funct. Mater. 31/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5768-5768 | 15.6 |   |
| 3 | Zeolites: Superior Mass Transfer Properties of Technical Zeolite Bodies with Hierarchical Porosity (Adv. Funct. Mater. 2/2014). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 174-174                                   | 15.6 |   |
| 2 | Röntgenbild: Impact of Pore Connectivity on the Design of Long-Lived Zeolite Catalysts (Angew. Chem. 5/2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1698-1698  | 3.6  |   |
| 1 | Titelbild: Indium Oxide as a Superior Catalyst for Methanol Synthesis by CO <sub>2</sub> Hydrogenation (Angew. Chem. 21/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6215-6215   | 3.6  |   |