## Sharon J Mitchell

# List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

114	5,841	42	74
papers	citations	h-index	g-index
134 ext. papers	7,318 ext. citations	<b>11.5</b> avg, IF	6.31 L-index

#	Paper	IF	Citations
114	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
113	Natural Wood-Based Catalytic Membrane Microreactors for Continuous Hydrogen Generation ACS Applied Materials & amp; Interfaces, 2022,	9.5	2
112	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
111	Single-atom heterogeneous catalysts for sustainable organic synthesis. <i>Trends in Chemistry</i> , <b>2022</b> , 4, 26	4=124786	1
110	Scalable two-step annealing method for preparing ultra-high-density single-atom catalyst libraries.  Nature Nanotechnology, 2021,	28.7	40
109	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
108	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
107	Design of Local Atomic Environments in Single-Atom Electrocatalysts for Renewable Energy Conversions. <i>Advanced Materials</i> , <b>2021</b> , 33, e2003075	24	73
106	Nanoscale engineering of catalytic materials for sustainable technologies. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 129-139	28.7	62
105	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
104	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
103	Structure Sensitivity and Evolution of Nickel-Bearing Nitrogen-Doped Carbons in the Electrochemical Reduction of CO2. <i>ACS Catalysis</i> , <b>2020</b> , 10, 3444-3454	13.1	14
102	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
101	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
100	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
99	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
98	Single-Atom Catalysts across the Periodic Table. <i>Chemical Reviews</i> , <b>2020</b> , 120, 11703-11809	68.1	237

### (2018-2020)

97	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
96	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
95	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
94	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
93	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
92	Atom-by-Atom Resolution of Structure Eunction Relations over Low-Nuclearity Metal Catalysts. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8816-8821	3.6	11
91	Tailoring Nitrogen-Doped Carbons as Hosts for Single-Atom Catalysts. <i>ChemCatChem</i> , <b>2019</b> , 11, 2812-2	8 <b>3</b> .0	26
90	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
89	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
88	Ensemble Design in Nickel Phosphide Catalysts for Alkyne Semi-Hydrogenation. <i>ChemCatChem</i> , <b>2019</b> , 11, 457-464	5.2	16
87	Single-atom heterogeneous catalysts based on distinct carbon nitride scaffolds. <i>National Science Review</i> , <b>2018</b> , 5, 642-652	10.8	82
86	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
85	Selective ensembles in supported palladium sulfide nanoparticles for alkyne semi-hydrogenation. <i>Nature Communications</i> , <b>2018</b> , 9, 2634	17.4	110
84	An Activated TiCBiC Composite for Natural Gas Upgrading via Catalytic Oxyhalogenation. <i>ChemCatChem</i> , <b>2018</b> , 10, 1282-1290	5.2	9
83	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
82	Selective Methane Oxybromination over Nanostructured Ceria Catalysts. ACS Catalysis, 2018, 8, 291-30	313.1	16
81	Die facettenreiche Reaktivit heterogener Einzelatom-Katalysatoren. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15538-15552	3.6	29
80	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

79	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
78	Shedding New Light on Nanostructured Catalysts with Positron Annihilation Spectroscopy. <i>Small Methods</i> , <b>2018</b> , 2, 1800268	12.8	5
77	The Multifaceted Reactivity of Single-Atom Heterogeneous Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15316-15329	16.4	179
76	Role of Carbonaceous Supports and Potassium Promoter on Higher Alcohols Synthesis over Copperli Con Catalysts. <i>ACS Catalysis</i> , <b>2018</b> , 8, 9604-9618	13.1	40
75	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
74	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
73	Stabilization of Single Metal Atoms on Graphitic Carbon Nitride. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605785	15.6	172
72	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
71	Pore Topology Effects in Positron Annihilation Spectroscopy of Zeolites. <i>ChemPhysChem</i> , <b>2017</b> , 18, 428	-4,228	
70	Design of a technical MgAl 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
69	Europium Oxybromide Catalysts for Efficient Bromine Looping in Natural Gas Valorization. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 9923-9927	3.6	7
68	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
67	Visualising compositional heterogeneity during the scale up of multicomponent zeolite bodies. <i>Materials Horizons</i> , <b>2017</b> , 4, 857-861	14.4	12
66	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
65	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
64	Pore Topology Effects in Positron Annihilation Spectroscopy of Zeolites. <i>ChemPhysChem</i> , <b>2017</b> , 18, 470	-4,729	7
63	Semihydrogenation of Acetylene on Indium Oxide: Proposed Single-Ensemble Catalysis. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10895-10900	3.6	13

### (2016-2017)

61	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
60	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
59	Mechanochemically Activated, Calcium Oxide-Based, Magnesium Oxide-Stabilized Carbon Dioxide Sorbents. <i>ChemSusChem</i> , <b>2016</b> , 9, 2380-90	8.3	27
58	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
57	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	
56	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
55	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
54	Indium Oxide as a Superior Catalyst for Methanol Synthesis by CO2 Hydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6261-5	16.4	486
53	Synergistic effects in silverIndium electrocatalysts for carbon dioxide reduction. <i>Journal of Catalysis</i> , <b>2016</b> , 343, 266-277	7.3	54
52	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
51	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
50	Deactivation mechanisms of tin-zeolites in biomass conversions. <i>Green Chemistry</i> , <b>2016</b> , 18, 1249-1260	10	72
49	Indium Oxide as a Superior Catalyst for Methanol Synthesis by CO2 Hydrogenation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6369-6373	3.6	50
48	Titelbild: Indium Oxide as a Superior Catalyst for Methanol Synthesis by CO2 Hydrogenation (Angew. Chem. 21/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6215-6215	3.6	
47	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
46	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
45	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
44	Enhanced Reduction of CO2 to CO over Culh Electrocatalysts: Catalyst Evolution Is the Key. <i>ACS Catalysis</i> , <b>2016</b> , 6, 6265-6274	13.1	114

Design of Base Zeolite Catalysts by Alkali-Metal Grafting in Alcoholic Media. ACS Catalysis, 2015, 5, 5388±5396 33

42	Structural analysis of hierarchically organized zeolites. <i>Nature Communications</i> , <b>2015</b> , 6, 8633	17.4	168
41	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
40	REktitelbild: 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	
39	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
38	Hierarchically Structured MnO2-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
37	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
36	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
35	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
34	Structuring zeolite bodies for enhanced heat-transfer properties. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 208, 196-202	5.3	14
33	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
32	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
31	Rediscovering zeolite mechanochemistry IA pathway beyond current synthesis and modification boundaries. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 194, 106-114	5.3	33
30	Prospectives for bio-oil upgrading via esterification over zeolite catalysts. <i>Catalysis Today</i> , <b>2014</b> , 235, 176-183	5.3	73
29	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
28	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	
27	Mesopore quality determines the lifetime of hierarchically structured zeolite catalysts. <i>Nature Communications</i> , <b>2014</b> , 5,	17.4	221
26	Design of hydrothermally-stable dawsonite-based sorbents in technical form for CO2 capture. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 3640-3650	35.4	3

### (2011-2014)

25	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
24	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
23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	Hierarchical zeolites overcome all obstacles: next stop industrial implementation. <i>Chimia</i> , <b>2013</b> , 67, 32	7-323	23
16 15	Hierarchical zeolites overcome all obstacles: next stop industrial implementation. <i>Chimia</i> , <b>2013</b> , 67, 32  Visualization of hierarchically structured zeolite bodies from macro to nano length scales. <i>Nature Chemistry</i> , <b>2012</b> , 4, 825-31	7- <b>3</b> 2 <sub>3</sub>	23
	Visualization of hierarchically structured zeolite bodies from macro to nano length scales. <i>Nature</i>		
15	Visualization of hierarchically structured zeolite bodies from macro to nano length scales. <i>Nature Chemistry</i> , <b>2012</b> , 4, 825-31  Decoupling porosity and compositional effects on desilicated ZSM-5 zeolites for optimal alkylation	17.6	200
15	Visualization of hierarchically structured zeolite bodies from macro to nano length scales. <i>Nature Chemistry</i> , <b>2012</b> , 4, 825-31  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  Surface and Pore Structure Assessment of Hierarchical MFI Zeolites by Advanced Water and Argon	17.6 5·5	200
15 14 13	Visualization of hierarchically structured zeolite bodies from macro to nano length scales. <i>Nature Chemistry</i> , <b>2012</b> , 4, 825-31  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  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  Hierarchically Structured Zeolite Bodies: Assembling Micro-, Meso-, and Macroporosity Levels in	17.6 5.5 3.8	<ul><li>200</li><li>55</li><li>80</li></ul>
15 14 13	Visualization of hierarchically structured zeolite bodies from macro to nano length scales. <i>Nature Chemistry</i> , <b>2012</b> , 4, 825-31  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  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  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  Towards more efficient monodimensional zeolite catalysts: n-alkane hydro-isomerisation on	17.6 5.5 3.8 15.6	<ul><li>200</li><li>55</li><li>80</li><li>33</li></ul>
15 14 13 12	Visualization of hierarchically structured zeolite bodies from macro to nano length scales. <i>Nature Chemistry</i> , <b>2012</b> , 4, 825-31  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  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  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  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  Full Compositional Flexibility in the Preparation of Mesoporous MFI Zeolites by Desilication.	17.6 5.5 3.8 15.6	200 55 80 33 61

7	Mesoporous zeolites as enzyme carriers: Synthesis, characterization, and application in biocatalysis. <i>Catalysis Today</i> , <b>2011</b> , 168, 28-37	5.3	74
6	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		20
5	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
4	The application of focused microwave irradiation coupled with freeze drying to investigate the reaction of MgO and Al2O3 slurries in the formation of layered double hydroxides. <i>Green Chemistry</i> , <b>2008</b> , 10, 629	10	7
3	A synchrotron radiation study of the hydrothermal synthesis of layered double hydroxides from MgO and Al2O3 slurries. <i>Green Chemistry</i> , <b>2007</b> , 9, 373	10	29
2	Carbon-Supported Bimetallic Ruthenium-Iridium Catalysts for Selective and Stable Hydrodebromination of Dibromomethane. <i>ChemCatChem</i> ,	5.2	1
1	Atomically precise control in the design of low-nuclearity supported metal catalysts. <i>Nature Reviews Materials</i> ,	73.3	17