

List of Publications by Citations

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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.

288 papers	11,575 citations	59 h-index	95 g-index
307 ext. papers	13,872 ext. citations	8.5 avg, IF	6.53 L-index

#	Paper	IF	Citations
288	Targeted synthesis of a porous aromatic framework with high stability and exceptionally high surface area. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 9457-60	16.4	1115
287	Gas storage in porous aromatic frameworks (PAFs). <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 3991	35.4	378
286	Brønsted/Lewis acid synergy in dealuminated HY zeolite: a combined solid-state NMR and theoretical calculation study. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 11161-71	16.4	291
285	A Molecular Surface Functionalization Approach to Tuning Nanoparticle Electrocatalysts for Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8120-5	16.4	272
284	Roles for Cyclopentenyl Cations in the Synthesis of Hydrocarbons from Methanol on Zeolite Catalyst HZSM-5. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 4763-4775	16.4	249
283	Understanding the high photocatalytic activity of (B, Ag)-codoped TiO <sub>2</sub> under solar-light irradiation with XPS, solid-state NMR, and DFT calculations. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1607-16	16.4	201
282	P NMR Chemical Shifts of Phosphorus Probes as Reliable and Practical Acidity Scales for Solid and Liquid Catalysts. <i>Chemical Reviews</i> , <b>2017</b> , 117, 12475-12531	68.1	177
281	Sustainable synthesis of zeolites without addition of both organotemplates and solvents. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4019-25	16.4	177
280	Solvent-free synthesis of silicoaluminophosphate zeolites. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9172-5	16.4	174
279	Direct observation of cyclic carbenium ions and their role in the catalytic cycle of the methanol-to-olefin reaction over chabazite zeolites. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11564-8	16.4	161
278	Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605512	24	151
277	Boron Environments in B-Doped and (B, N)-Codoped TiO <sub>2</sub> Photocatalysts: A Combined Solid-State NMR and Theoretical Calculation Study. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 2709-2719	3.8	148
276	Acidic Properties and Structure-Activity Correlations of Solid Acid Catalysts Revealed by Solid-State NMR Spectroscopy. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 655-63	24.3	143
275	Solvent-free synthesis of zeolites from anhydrous starting raw solids. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 1052-5	16.4	138
274	Room temperature activation of methane over Zn modified H-ZSM-5 zeolites: Insight from solid-state NMR and theoretical calculations. <i>Chemical Science</i> , <b>2012</b> , 3, 2932	9.4	136
273	Insights into the dealumination of zeolite HY revealed by sensitivity-enhanced <sup>27</sup> Al DQ-MAS NMR spectroscopy at high field. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 8657-61	16.4	135
272	Evidence of pressure enhanced CO <sub>2</sub> storage in ZIF-8 probed by FTIR spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 9287-90	16.4	133

271	Theoretical predictions of $^{31}\text{P}$ NMR chemical shift threshold of trimethylphosphine oxide absorbed on solid acid catalysts. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 4496-505	3.4	123
270	Brønsted/Lewis Acid Synergy in H $\beta$ SM-5 and HMOR Zeolites Studied by $^1\text{H}$ and $^{27}\text{Al}$ DQ-MAS Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 22320-22327	3.8	119
269	Location, acid strength, and mobility of the acidic protons in Keggin 12-H $^+$ 3PW12O $_{40}$ : a combined solid-state NMR spectroscopy and DFT quantum chemical calculation study. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 18274-80	16.4	115
268	New insight into the hydrocarbon-pool chemistry of the methanol-to-olefins conversion over zeolite H-ZSM-5 from GC-MS, solid-state NMR spectroscopy, and DFT calculations. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 12432-43	4.8	110
267	Copper Capture in a Thioether-Functionalized Porous Polymer Applied to the Detection of Wilson's Disease. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 7603-9	16.4	99
266	Hydrothermal treatment on ZSM-5 extrudates catalyst for methanol to propylene reaction: Finely tuning the acidic property. <i>Fuel Processing Technology</i> , <b>2015</b> , 129, 130-138	7.2	97
265	Rare-earth-containing perovskite nanomaterials: design, synthesis, properties and applications. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 1109-1143	58.5	96
264	Biomimetic photonic materials with tunable structural colors. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 406, 1-17	9.3	94
263	Sustainable and Facile Route to Nearly Monodisperse Spherical Aggregates of CeO $_2$ Nanocrystals with Ionic Liquids and Their Catalytic Activities for CO Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 18405-18411	3.8	94
262	Measurement of hetero-nuclear distances using a symmetry-based pulse sequence in solid-state NMR. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 9395-405	3.6	91
261	Probing the Spatial Proximities among Acid Sites in Dealuminated H-Y Zeolite by Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 14486-14494	3.8	91
260	Multimodal Luminescent Yb /Er /Bi -Doped Perovskite Single Crystals for X-ray Detection and Anti-Counterfeiting. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004506	24	88
259	Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19450-19459	16.4	85
258	Continuous selective oxidation of methane to methanol over Cu- and Fe-modified ZSM-5 catalysts in a flow reactor. <i>Catalysis Today</i> , <b>2016</b> , 270, 93-100	5.3	85
257	Acidic Strengths of Brønsted and Lewis Acid Sites in Solid Acids Scaled by $^{31}\text{P}$ NMR Chemical Shifts of Adsorbed Trimethylphosphine. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7660-7667	3.8	85
256	Optical sensors based on functionalized mesoporous silica SBA-15 for the detection of multianalytes (H $^+$ and Cu $^{2+}$ ) in water. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4492		83
255	In situ growth-etching approach to the preparation of hierarchically macroporous zeolites with high MTO catalytic activity and selectivity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17994-18004	13	82
254	Chelating N-Heterocyclic Carbene Ligands Enable Tuning of Electrocatalytic CO Reduction to Formate and Carbon Monoxide: Surface Organometallic Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4981-4985	16.4	81

253	MAS NMR Studies on the Dealumination of Zeolite MCM-22. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 1770-1779	3.4	80
252	High performance nanosheet-like silicoaluminophosphate molecular sieves: synthesis, 3D EDT structural analysis and MTO catalytic studies. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17828-17839	13	79
251	Tuning Gold Nanoparticles with Chelating Ligands for Highly Efficient Electrocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12675-12679	16.4	78
250	Luminescent carbon dots in a new magnesium aluminophosphate zeolite. <i>Chemical Communications</i> , <b>2013</b> , 49, 9006-8	5.8	78
249	Methylbenzene hydrocarbon pool in methanol-to-olefins conversion over zeolite H-ZSM-5. <i>Journal of Catalysis</i> , <b>2015</b> , 332, 127-137	7.3	77
248	Insight into Dimethyl Ether Carbonylation Reaction over Mordenite Zeolite from in-Situ Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 5840-5847	3.8	75
247	Relationship between <sup>1</sup> H chemical shifts of deuterated pyridinium ions and Brønsted acid strength of solid acids. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 3085-9	3.4	74
246	Transfer Channel of Photoinduced Holes on a TiO Surface As Revealed by Solid-State Nuclear Magnetic Resonance and Electron Spin Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10020-10028	16.4	73
245	NMR-spectroscopic evidence of intermediate-dependent pathways for acetic acid formation from methane and carbon monoxide over a ZnZSM-5 zeolite catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3850-3	16.4	73
244	Theoretical Investigation of the Effects of the Zeolite Framework on the Stability of Carbenium Ions. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7429-7439	3.8	71
243	A covalently-linked microporous organic-inorganic hybrid framework containing polyhedral oligomeric silsesquioxane moieties. <i>Dalton Transactions</i> , <b>2011</b> , 40, 2720-4	4.3	70
242	Brønsted/Lewis Acid Synergy in Methanol-to-Aromatics Conversion on Ga-Modified ZSM-5 Zeolites, As Studied by Solid-State NMR Spectroscopy. <i>ACS Catalysis</i> , <b>2018</b> , 8, 69-74	13.1	67
241	Understanding Surface and Interfacial Chemistry in Functional Nanomaterials via Solid-State NMR. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605895	24	66
240	Metal Active Sites and Their Catalytic Functions in Zeolites: Insights from Solid-State NMR Spectroscopy. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2179-2189	24.3	65
239	Self-Assembly of Cetyltrimethylammonium Bromide and Lamellar Zeolite Precursor for the Preparation of Hierarchical MWW Zeolite. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4512-4521	9.6	65
238	Low-temperature reactivity of Zn <sup>2+</sup> ions confined in ZSM-5 zeolite toward carbon monoxide oxidation: insight from in situ DRIFT and ESR spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6762-5	16.4	64
237	Targeted synthesis of an electroactive organic framework. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18208		64
236	Covalent Encapsulation of Sulfur in a MOF-Derived S, N-Doped Porous Carbon Host Realized via the Vapor-Infiltration Method Results in Enhanced Sodium Sulfur Battery Performance. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000931	21.8	63

235	Highly effective ammonia removal in a series of Brønsted acidic porous polymers: investigation of chemical and structural variations. <i>Chemical Science</i> , <b>2017</b> , 8, 4399-4409	9.4	62
234	Solid-State NMR Investigations of Carbon Dioxide Gas in Metal-Organic Frameworks: Insights into Molecular Motion and Adsorptive Behavior. <i>Chemical Reviews</i> , <b>2018</b> , 118, 10033-10048	68.1	62
233	Dual-Mode, Color-Tunable, Lanthanide-Doped Core-Shell Nanoarchitectures for Anti-Counterfeiting Inks and Latent Fingerprint Recognition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35294-35304	9.5	61
232	Carbon-based derivatives from metal-organic frameworks as cathode hosts for LiB batteries. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 38, 94-113	12	61
231	Insights of the Crystallization Process of Molecular Sieve AlPO <sub>4</sub> -5 Prepared by Solvent-Free Synthesis. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6171-6	16.4	60
230	<sup>1</sup> H/ <sup>27</sup> Al TRAPDOR NMR studies on aluminum species in dealuminated zeolites. <i>Solid State Nuclear Magnetic Resonance</i> , <b>1998</b> , 10, 151-60	3.1	59
229	Extra-Framework Aluminum-Assisted Initial C-C Bond Formation in Methanol-to-Olefins Conversion on Zeolite H-ZSM-5. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10197-10201	16.4	59
228	Reactivity of C1 surface species formed in methane activation on Zn-modified H-ZSM-5 zeolite. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 14016-25	4.8	58
227	Acidity of mesoporous MoO(x)/ZrO <sub>2</sub> and WO(x)/ZrO <sub>2</sub> materials: a combined solid-state NMR and theoretical calculation study. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 10662-71	3.4	57
226	Distance measurement between a spin-1/2 and a half-integer quadrupolar nuclei by solid-state NMR using exact analytical expressions. <i>Journal of Magnetic Resonance</i> , <b>2010</b> , 206, 269-73	3	56
225	A Mechanistic Study of Methanol-to-Aromatics Reaction over Ga-Modified ZSM-5 Zeolites: Understanding the Dehydrogenation Process. <i>ACS Catalysis</i> , <b>2018</b> , 8, 9809-9820	13.1	56
224	<sup>13</sup> C Chemical Shift of Adsorbed Acetone for Measuring the Acid Strength of Solid Acids: A Theoretical Calculation Study. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 12711-12718	3.8	55
223	Direct Detection of Supramolecular Reaction Centers in the Methanol-to-Olefins Conversion over Zeolite H-ZSM-5 by ( <sup>13</sup> C)-( <sup>27</sup> Al) Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2507-11	16.4	54
222	Ultrathin 2D Rare-Earth Nanomaterials: Compositions, Syntheses, and Applications. <i>Advanced Materials</i> , <b>2020</b> , 32, e1806461	24	53
221	Measurement of aluminum-carbon distances using S-RESPDOR NMR experiments. <i>ChemPhysChem</i> , <b>2012</b> , 13, 3605-15	3.2	51
220	Identification of Nonequivalent Framework Oxygen Species in Metal-Organic Frameworks by <sup>17</sup> O Solid-State NMR. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 16953-16960	3.8	51
219	Experimental Evidence on the Formation of Ethene through Carbocations in Methanol Conversion over H-ZSM-5 Zeolite. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12061-8	4.8	49
218	Acidity characterization of heterogeneous catalysts by solid-state NMR spectroscopy using probe molecules. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2013</b> , 55-56, 12-27	3.1	48

217	Crystallization of AlPO <sub>4</sub> -5 aluminophosphate molecular sieve prepared in fluoride medium: a multinuclear solid-state NMR study. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 7105-13	3.4	48
216	Beyond the Thermal Equilibrium Limit of Ammonia Synthesis with Dual Temperature Zone Catalyst Powered by Solar Light. <i>Chem</i> , <b>2019</b> , 5, 2702-2717	16.2	46
215	Methanol to hydrocarbons reaction over H <sup>+</sup> zeolites studied by high resolution solid-state NMR spectroscopy: Carbenium ions formation and reaction mechanism. <i>Journal of Catalysis</i> , <b>2016</b> , 335, 47-57	7.3	46
214	Synergic Effect of Active Sites in Zinc-Modified ZSM-5 Zeolites as Revealed by High-Field Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15826-15830	16.4	45
213	Resolving the puzzle of single-atom silver dispersion on nanosized $\gamma$ -Al <sub>2</sub> O <sub>3</sub> surface for high catalytic performance. <i>Nature Communications</i> , <b>2020</b> , 11, 529	17.4	43
212	Loss of Inositol Phosphorylceramide Sphingolipid Mannosylation Induces Plant Immune Responses and Reduces Cellulose Content in Arabidopsis. <i>Plant Cell</i> , <b>2016</b> , 28, 2991-3004	11.6	43
211	Methanol to Olefins Reaction over Cavity-type Zeolite: Cavity Controls the Critical Intermediates and Product Selectivity. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10950-10963	13.1	43
210	Alkylation of Benzene with Methane over ZnZSM-5 Zeolites Studied with Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 4018-4023	3.8	41
209	Molecular engineering of microporous crystals: (III) The influence of water content on the crystallization of microporous aluminophosphate AlPO <sub>4</sub> -11. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 147, 212-221	5.3	40
208	Confined Heteropoly Blues in Defected Zr-MOF (Bottle Around Ship) for High-Efficiency Oxidative Desulfurization. <i>Small</i> , <b>2020</b> , 16, e1906432	11	38
207	Construction of Porous Aromatic Frameworks with Exceptional Porosity via Building Unit Engineering. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804169	24	38
206	Unravelling the Efficient Photocatalytic Activity of Boron-induced Ti Species in the Surface Layer of TiO <sub>2</sub> . <i>Scientific Reports</i> , <b>2016</b> , 6, 34765	4.9	37
205	Dry Gel Conversion Method for the Synthesis of Organic-Inorganic Hybrid MOR Zeolites with Modifiable Catalytic Activities. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 4160-4165	9.6	37
204	Observation of Nonframework Al Species in Zeolite I by Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 5252-5256	3.4	37
203	One-Dimensional Lead-Free Halide with Near-Unity Greenish-Yellow Light Emission. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6525-6531	9.6	36
202	Electrolytes for Batteries with Earth-Abundant Metal Anodes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18220-18234	4.8	36
201	Resolving multiple non-equivalent metal sites in magnesium-containing metal-organic frameworks by natural abundance (25)Mg solid-state NMR spectroscopy. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 4432-6	4.8	36
200	Impregnating Subnanometer Metallic Nanocatalysts into Self-Pillared Zeolite Nanosheets. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6905-6914	16.4	36

199	Synthesis of chiral polymorph A-enriched zeolite Beta with an extremely concentrated fluoride route. <i>Scientific Reports</i> , <b>2015</b> , 5, 11521	4.9	35
198	Mapping Out Chemically Similar, Crystallographically Nonequivalent Hydrogen Sites in Metal-Organic Frameworks by <sup>1</sup> H Solid-State NMR Spectroscopy. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 3306-3316	8.6	35
197	(25)Mg Solid-State NMR: A Sensitive Probe of Adsorbing Guest Molecules on a Metal Center in Metal-Organic Framework CPO-27-Mg. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 7-11	6.4	35
196	Pore Selectivity for Olefin Protonation Reactions Confined inside Mordenite Zeolite: A Theoretical Calculation Study. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 2194-2202	3.8	35
195	The acidic nature of "NMR-invisible" tri-coordinated framework aluminum species in zeolites. <i>Chemical Science</i> , <b>2019</b> , 10, 10159-10169	9.4	34
194	F-assisted synthesis of a hierarchical ZSM-5 zeolite for methanol to propylene reaction: a b-oriented thinner dimensional morphology. <i>RSC Advances</i> , <b>2015</b> , 5, 61354-61363	3.7	34
193	Dynamic Nuclear Polarization Surface Enhanced NMR spectroscopy (DNP SENS): Principles, protocols, and practice. <i>Current Opinion in Colloid and Interface Science</i> , <b>2018</b> , 33, 63-71	7.6	34
192	New Insights into the Effects of Acid Strength on the Solid Acid-Catalyzed Reaction: Theoretical Calculation Study of Olefinic Hydrocarbon Protonation Reaction. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 10254-10264	3.8	34
191	Enhancement of Brønsted acidity in zeolitic catalysts due to an intermolecular solvent effect in confined micropores. <i>Chemical Communications</i> , <b>2012</b> , 48, 6936-8	5.8	33
190	Solid-state NMR studies of methanol-to-aromatics reaction over silver exchanged HZSM-5 zeolite. <i>Microporous and Mesoporous Materials</i> , <b>2007</b> , 98, 214-219	5.3	31
189	Chelating N-Heterocyclic Carbene Ligands Enable Tuning of Electrocatalytic CO <sub>2</sub> Reduction to Formate and Carbon Monoxide: Surface Organometallic Chemistry. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5073-5079	3.6	30
188	Tuning Gold Nanoparticles with Chelating Ligands for Highly Efficient Electrocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12857-12861	3.6	29
187	Signal enhancement of J-HMQC experiments in solid-state NMR involving half-integer quadrupolar nuclei. <i>Chemical Communications</i> , <b>2013</b> , 49, 6653-5	5.8	29
186	Recent Advances of Solid-State NMR Studies on Zeolites. <i>Annual Reports on NMR Spectroscopy</i> , <b>2013</b> , 78, 1-54	1.7	29
185	Progress in development and application of solid-state NMR for solid acid catalysis. <i>Chinese Journal of Catalysis</i> , <b>2013</b> , 34, 436-491	11.3	29
184	Synthesis of high-silica EU-1 zeolite in the presence of hexamethonium ions: a seeded approach for inhibiting ZSM-48. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 358, 252-60	9.3	29
183	Solid state <sup>13</sup> C NMR studies of methane dehydroaromatization reaction on Mo/HZSM-5 and W/HZSM-5 catalysts. <i>Chemical Communications</i> , <b>2002</b> , 3046-7	5.8	29
182	Rare earth double perovskites: a fertile soil in the field of perovskite oxides. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2226-2238	6.8	28

181	Strong or weak acid, which is more efficient for Beckmann rearrangement reaction over solid acid catalysts?. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 3675-3681	5.5	28
180	Multinuclear Solid-State NMR Studies on the Formation Mechanism of Aluminophosphate Molecular Sieves in Ionic Liquids. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 5848-5854	3.8	28
179	Solvent-Free Synthesis of Silicoaluminophosphate Zeolites. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 9342-9345	3.6	28
178	Formation, Location, and Photocatalytic Reactivity of Methoxy Species on Keggin 12-H3PW12O40: A Joint Solid-State NMR Spectroscopy and DFT Calculation Study. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 15765-15770	3.8	28
177	Solid state NMR study of acid sites formed by adsorption of SO3 onto gamma-Al2O3. <i>Chemical Communications</i> , <b>2003</b> , 884-5	5.8	28
176	Synthesis and structure of a family of rhodium polystannide clusters [Rh@Sn], [Rh@Sn], [Rh@Sn] and the first triply-fused stannide, [Rh@Sn]. <i>Chemical Science</i> , <b>2019</b> , 10, 4394-4401	9.4	27
175	The effect of high external pressure on the structure and stability of MOF $\text{Mg}_3(\text{HCOO})_6$ probed by in situ Raman and FT-IR spectroscopy. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11976-11984	13	27
174	A Hydrothermally Stable Irreducible Oxide-Modified Pd/MgAl O Catalyst for Methane Combustion. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 18522-18526	16.4	27
173	Direct observation of tin sites and their reversible interconversion in zeolites by solid-state NMR spectroscopy. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	27
172	Monitoring and understanding the paraelectric-ferroelectric phase transition in the metal-organic framework $[\text{NH}_4][\text{M}(\text{HCOO})_3]$ by solid-state NMR spectroscopy. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 14348-61	4.8	27
171	Interactions between Nafion resin and protonated dodecylamine modified montmorillonite: a solid state NMR study. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 311, 38-44	9.3	27
170	Host-Guest Interactions in Dealuminated HY Zeolite Probed by $(^{13}\text{C})-(^{27}\text{Al})$ Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3068-72	6.4	26
169	Bristed and Lewis acidity of the $\text{BF}_3/\text{gamma-Al}_2\text{O}_3$ alkylation catalyst as revealed by solid-state NMR spectroscopy and DFT quantum chemical calculations. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 13124-31	3.4	26
168	ZSM-5 extrudates modified with phosphorus as a super effective MTP catalyst: Impact of the acidity on binder. <i>Fuel Processing Technology</i> , <b>2017</b> , 168, 105-115	7.2	25
167	Direct Observation of Cyclic Carbenium Ions and Their Role in the Catalytic Cycle of the Methanol-to-Olefin Reaction over Chabazite Zeolites. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 11778-11782	3.6	25
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45	Highly efficient conversion of glucose to methyl lactate over hierarchical bimetal-doped Beta zeolite catalysts. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2021</b> , 96, 2238	3.5	4
44	Unraveling Hydrocarbon Pool Boosted Propane Aromatization on Gallium/ZSM-5 Zeolite by Solid-State Nuclear Magnetic Resonance Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23630-23634	16.4	4
43	A single precursor approach for ZIF synthesis: transformation of a new 1D $[\text{Zn}(\text{Im})(\text{HIm})_2(\text{OAc})]$ structure to 3D $\text{Zn}(\text{Im})_2$ frameworks. <i>CrystEngComm</i> , <b>2015</b> , 17, 3998-4005	3.3	3
42	Detector control system for Daya Bay Reactor Neutrino Experiment. <i>Science China Technological Sciences</i> , <b>2013</b> , 56, 1966-1973	3.5	3
41	Influence of fluoride ions on the structure-directing effect of organic amine in the synthesis of aluminophosphate open-frameworks. <i>Chemical Research in Chinese Universities</i> , <b>2017</b> , 33, 853-859	2.2	3
40	Insight into Carbocation-Induced Noncovalent Interactions in the Methanol-to-Olefins Reaction over ZSM-5 Zeolite by Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 26847-26854	16.4	3
39	Interfacial-Bonding $\text{TiN}/\text{TiO}_2$ Boosts Efficient Photocatalytic $\text{H}_2$ Evolution in Close Coupling g-C $_3\text{N}_4$ /TiO $_2$ . <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 12012-12018	3.8	3
38	Host-Guest Interaction in Ethylene and Ethane Separation on Zeolitic Imidazolate Frameworks as Revealed by Solid-State NMR Spectroscopy. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 11303-11308	4.8	3

37	DNP-SENS Formulation Protocols To Study Surface Sites in Ziegler-Natta Catalyst MgCl <sub>2</sub> Supports Modified with Internal Donors. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 15994-16003	3.8	3
36	Valence state alternation of copper species doped in HY zeolite as revealed by paramagnetic relaxation enhancement NMR spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2016</b> , 74-75, 10-5	3.1	3
35	Frontispiece: Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59,	16.4	2
34	The structure-directing effect of organic amines in the multi-template/one-structure phenomenon of microporous crystal synthesis. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 240, 178-188	5.3	2
33	Application of solid-state NMR techniques for structural characterization of metal-organic frameworks.. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2022</b> , 117, 101772	3.1	2
32	Through-space B- Al correlation: Influence of the recoupling channel. <i>Magnetic Resonance in Chemistry</i> , <b>2021</b> , 59, 1062-1076	2.1	2
31	Dual Active Sites on Molybdenum/ZSM-5 Catalyst for Methane Dehydroaromatization: Insights from Solid-State NMR Spectroscopy. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10804-10810	3.6	2
30	Facile Preparation of Methyl Phenols from Ethanol over Lamellar Ce(OH)SO <sub>4</sub> ·xH <sub>2</sub> O. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6162-6174	13.1	2
29	Ionothermal Synthesis of Triclinic SAPO-34 Zeolites. <i>Catalysts</i> , <b>2021</b> , 11, 616	4	2
28	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15556-15562	16.4	2
27	Ionothermal Synthesis of Hollow Aluminophosphate Molecular Sieves. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1800125	3.1	2
26	Breathing Effect via Solvent Inclusions on the Linker Rotational Dynamics of Functionalized MIL-53. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14711-14720	4.8	2
25	Synthesis of Aluminophosphate Molecular Sieves in Alkaline Media. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11408-11411	4.8	1
24	Direct synthesis of c-axis-oriented HZSM-5 zeolites in polyacrylamide hydrogel. <i>Journal of Sol-Gel Science and Technology</i> , <b>2020</b> , 96, 256-263	2.3	1
23	Unravelling the Mystery of Solid Solutions: A Case Study of Y Solid-State NMR Spectroscopy. <i>ChemPhysChem</i> , <b>2020</b> , 21, 825-836	3.2	1
22	Unusual bulky solvent molecule encapsulation in the organic-amine-occupied 10-membered ring channels of aluminophosphate molecular sieve AlPO <sub>4</sub> -11. <i>Inorganic Chemistry Communication</i> , <b>2018</b> , 88, 6-10	3.1	1
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20	Solid-state NMR studies of the acidity of functionalized metal-organic framework UiO-66 materials. <i>Magnetic Resonance in Chemistry</i> , <b>2020</b> , 58, 1091-1098	2.1	1

19	C chemical shift tensors in MOF-5 (HCOO) : Which component is more sensitive to host-guest interaction?. <i>Magnetic Resonance in Chemistry</i> , <b>2020</b> , 58, 1082-1090	2.1	1
18	Metal-Organic Frameworks: NMR Studies of Quadrupolar Nuclei <b>2014</b> , 1-14		1
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16	Evidence on Primary Pore Size Dependence of C-H Bond Coupling Inside Zr-Based Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 24713-24722	3.8	1
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13	Factor in the Structure and Anion Exchange of Layered Yttrium Hydroxides. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 7251-7258	3.8	1
12	Pairwise Stereoselective Hydrogenation of Propyne on Supported Pd-Ag Catalysts Investigated by Parahydrogen-Induced Polarization. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 17144-17154	3.8	1
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9	Sustainable Synthesis of Pure Silica Zeolites from a Combined Strategy of Zeolite Seeding and Alcohol Filling. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12266-12270	3.6	0
8	Evaluation of neutron beam characteristics for D-BNCT01 facility. <i>Nuclear Science and Techniques/Hewuli</i> , <b>2022</b> , 33, 1	2.1	0
7	Mechanistic Insight into Ethanol Dehydration over SAPO-34 Zeolite by Solid-state NMR Spectroscopy. <i>Chemical Research in Chinese Universities</i> , <b>2022</b> , 38, 155-160	2.2	0
6	Conversion of Dihydroxyacetone to Methyl Pyruvate Catalyzed by Hybrid Molecular Sieves at Low Temperature: A Strategy for the Green Utilization of Glycerol. <i>Catalysis Letters</i> , <b>2020</b> , 150, 1641-1649	2.8	0
5	Unraveling Hydrocarbon Pool Boosted Propane Aromatization on Gallium/ZSM-5 Zeolite by Solid-State Nuclear Magnetic Resonance Spectroscopy. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23822	3.6	0
4	Solid-State NMR Studies of Zeolites. <i>Green Chemistry and Sustainable Technology</i> , <b>2016</b> , 231-268	1.1	
3	Formation of aluminum diphosphonate mesostructures: The effect of aluminum source. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 532, 718-726	9.3	
2	Titelbild: Insight into Carbocation-Induced Noncovalent Interactions in the Methanol-to-Olefins Reaction over ZSM-5 Zeolite by Solid-State NMR Spectroscopy (Angew. Chem. 51/2021). <i>Angewandte Chemie</i> , <b>2021</b> , 133, 26617	3.6	

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Reaktitelbild: Direct Detection of Supramolecular Reaction Centers in the Methanol-to-Olefins Conversion over Zeolite H-ZSM-5 by  $^{13}\text{C}/^{27}\text{Al}$  Solid-State NMR Spectroscopy (Angew. Chem. 7/2016). *Angewandte Chemie*, **2016**, 128, 2648-2648

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