

Yu Jihong

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.

289
papers

14,708
citations

67
h-index

108
g-index

322
ext. papers

17,957
ext. citations

10.2
avg, IF

7.19
L-index

#	Paper	IF	Citations
289	Inhibiting the Leidenfrost effect above 1,000 °C for sustained thermal cooling.. <i>Nature</i> , 2022 , 601, 568-572.	52.4	18
288	Intrinsic chiral photoswitches manipulate soft-materials.. <i>Light: Science and Applications</i> , 2022 , 11, 95	16.7	1
287	Lignin-First Monomers to Catechol: Rational Cleavage of C-O and C-C Bonds over Zeolites.. <i>ChemSusChem</i> , 2021 ,	8.3	2
286	Carbon Dots-in-EuAPO-5 Zeolite: Triple-Emission for Multilevel Luminescence Anti-Counterfeiting. <i>Small</i> , 2021 , 17, e2103374	11	6
285	Advances in Catalytic Applications of Zeolite-Supported Metal Catalysts. <i>Advanced Materials</i> , 2021 , e2104442	14.42	19
284	Porous Membranes with Special Wettabilities: Designed Fabrication and Emerging Application. <i>CCS Chemistry</i> , 2021 , 3, 2280-2297	7.2	12
283	Titanium-rich TS-1 zeolite for highly efficient oxidative desulfurization. <i>Green Energy and Environment</i> , 2021 ,	5.7	4
282	Impregnating Subnanometer Metallic Nanocatalysts into Self-Pillared Zeolite Nanosheets. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6905-6914	16.4	36
281	A highly stable and flexible zeolite electrolyte solid-state Li-air battery. <i>Nature</i> , 2021 , 592, 551-557	50.4	103
280	Electron Beam Irradiation-Induced Formation of Defect-Rich Zeolites under Ambient Condition within Minutes. <i>Angewandte Chemie</i> , 2021 , 133, 14984-14989	3.6	0
279	Esterification of Oleic Acid to Produce Biodiesel over 12-Tungstophosphoric Acid Anchored Two-dimensional Zeolite. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 1072	2.2	1
278	Electron Beam Irradiation-Induced Formation of Defect-Rich Zeolites under Ambient Condition within Minutes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14858-14863	16.4	5
277	Creation of Hierarchical Titanosilicate TS-1 Zeolites. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001095	4.6	4
276	Luminescence anti-counterfeiting: From elementary to advanced. <i>Aggregate</i> , 2021 , 2, 20-34	22.9	49
275	Modulation of solid surface with desirable under-liquid wettability based on molecular hydrophilic-lipophilic balance. <i>Chemical Science</i> , 2021 , 12, 6136-6142	9.4	4
274	The inorganic cation-tailored "trapdoor" effect of silicoaluminophosphate zeolite for highly selective CO separation. <i>Chemical Science</i> , 2021 , 12, 8803-8810	9.4	6
273	Dehydrogenation of propane marches on. <i>Matter</i> , 2021 , 4, 2642-2644	12.7	5

272	Structure stabilization of zeolite Y induced by yttrium and its role in promoting n-docosane conversion. <i>Microporous and Mesoporous Materials</i> , 2021 , 323, 111225	5.3	3
271	Perovskite Quantum Dots Encapsulated in a Mesoporous Metal-Organic Framework as Synergistic Photocathode Materials. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14253-14260	16.4	29
270	Polarity-Dominated Stable N97 Respirators for Airborne Virus Capture Based on Nanofibrous Membranes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23756-23762	16.4	4
269	Amino acid-assisted synthesis of TS-1 zeolites containing highly catalytically active TiO ₆ species. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 2189-2196	11.3	2
268	Frontispiece: Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59,	16.4	2
267	Efficient transesterification over two-dimensional zeolites for sustainable biodiesel production. <i>Green Energy and Environment</i> , 2020 , 5, 405-413	5.7	14
266	A Layered Cationic Aluminum Oxyhydroxide as a Highly Efficient and Selective Trap for Heavy Metal Oxyanions. <i>Angewandte Chemie</i> , 2020 , 132, 19707-19712	3.6	0
265	A Layered Cationic Aluminum Oxyhydroxide as a Highly Efficient and Selective Trap for Heavy Metal Oxyanions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19539-19544	16.4	11
264	Carbon Dots in Porous Materials: Host-Guest Synergy for Enhanced Performance. <i>Angewandte Chemie</i> , 2020 , 132, 19558-19570	3.6	4
263	Thermally treated zeolitic imidazolate framework-8 (ZIF-8) for visible light photocatalytic degradation of gaseous formaldehyde. <i>Chemical Science</i> , 2020 , 11, 6670-6681	9.4	54
262	Direct Atomic-Level Imaging of Zeolites: Oxygen, Sodium in Na-LTA and Iron in Fe-MFI. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19510-19517	16.4	10
261	Organic-Free Synthesis of Zeolite Y with High Si/Al Ratios: Combined Strategy of In Situ Hydroxyl Radical Assistance and Post-Synthesis Treatment. <i>Angewandte Chemie</i> , 2020 , 132, 17378-17381	3.6	4
260	Organic-Free Synthesis of Zeolite Y with High Si/Al Ratios: Combined Strategy of In Situ Hydroxyl Radical Assistance and Post-Synthesis Treatment. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17225-17228	16.4	19
259	Superhydrophobic magnetic core-shell mesoporous organosilica nanoparticles with dendritic architecture for oil-water separation. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2184-2191	7.8	11
258	Structure Solution and Defect Analysis of an Extra-Large Pore Zeolite with Topology by Electron Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3350-3356	6.4	4
257	Single-Atom Iron Catalysts on Overhang-Eave Carbon Cages for High-Performance Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2020 , 132, 7454-7459	3.6	45
256	Single-Atom Iron Catalysts on Overhang-Eave Carbon Cages for High-Performance Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7384-7389	16.4	134
255	Creation of Al-Enriched Mesoporous ZSM-5 Nanoboxes with High Catalytic Activity: Converting Tetrahedral Extra-Framework Al into Framework Sites by Post Treatment. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19478-19486	16.4	31

254	Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19450-19459	16.4	85
253	Creation of Al-Enriched Mesoporous ZSM-5 Nanoboxes with High Catalytic Activity: Converting Tetrahedral Extra-Framework Al into Framework Sites by Post Treatment. <i>Angewandte Chemie</i> , 2020 , 132, 19646-19654	3.6	3
252	Direct Atomic-Level Imaging of Zeolites: Oxygen, Sodium in Na-LTA and Iron in Fe-MFI. <i>Angewandte Chemie</i> , 2020 , 132, 19678-19685	3.6	0
251	Ultrafast Encapsulation of Metal Nanoclusters into MFI Zeolite in the Course of Its Crystallization: Catalytic Application for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19669-19674	16.4	24
250	Electron Microscopy Studies of Local Structural Modulations in Zeolite Crystals. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19403-19413	16.4	9
249	Functionalization of Zirconium-Based Metal-Organic Layers with Tailored Pore Environments for Heterogeneous Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18224-18228	16.4	15
248	Nanopore-Supported Metal Nanocatalysts for Efficient Hydrogen Generation from Liquid-Phase Chemical Hydrogen Storage Materials. <i>Advanced Materials</i> , 2020 , 32, e2001818	24	86
247	Probing the Design Rationale of a High-Performing Faujasitic Zeotype Engineered to have Hierarchical Porosity and Moderated Acidity. <i>Angewandte Chemie</i> , 2020 , 132, 19729-19737	3.6	2
246	Probing the Design Rationale of a High-Performing Faujasitic Zeotype Engineered to have Hierarchical Porosity and Moderated Acidity. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19561-19569	16.4	6
245	A Green Selective Water-Etching Approach to MOF@Mesoporous SiO ₂ Yolk-Shell Nanoreactors with Enhanced Catalytic Stabilities. <i>Matter</i> , 2020 , 3, 498-508	12.7	28
244	Electron Microscopy Studies of Local Structural Modulations in Zeolite Crystals. <i>Angewandte Chemie</i> , 2020 , 132, 19571-19581	3.6	
243	Covalent Immobilization of Naringinase over Two-Dimensional 2D Zeolites and its Applications in a Continuous Process to Produce Citrus Flavonoids and for Debittering of Juices. <i>ChemCatChem</i> , 2020 , 12, 4502-4511	5.2	7
242	Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie</i> , 2020 , 132, 19618-19627	3.6	24
241	Titelbild: Single-Atom Iron Catalysts on Overhang-Eave Carbon Cages for High-Performance Oxygen Reduction Reaction (Angew. Chem. 19/2020). <i>Angewandte Chemie</i> , 2020 , 132, 7341-7341	3.6	
240	Database of open-framework aluminophosphate structures. <i>Scientific Data</i> , 2020 , 7, 107	8.2	6
239	Spatially separated bimetallic cocatalysts on hollow-structured TiO ₂ for photocatalytic hydrogen generation. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1671-1678	7.8	12
238	Temperature-regulated construction of hierarchical titanosilicate zeolites. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1872-1879	6.8	17
237	Spatially Separated Bifunctional Cocatalysts Decorated on Hollow-Structured TiO for Enhanced Photocatalytic Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23356-23362	9.5	16

236	A one-step rapid synthesis of TS-1 zeolites with highly catalytically active mononuclear TiO ₆ species. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9677-9683	13	33
235	Carbon Dots-in-Zeolite via In-Situ Solvent-Free Thermal Crystallization: Achieving High-Efficiency and Ultralong Afterglow Dual Emission. <i>CCS Chemistry</i> , 2020 , 2, 118-127	7.2	24
234	An amino acid-assisted approach to fabricate nanosized hierarchical TS-1 zeolites for efficient oxidative desulfurization. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1975-1980	6.8	23
233	Zeolite-confined carbon dots: tuning thermally activated delayed fluorescence emission via energy transfer. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1404-1410	7.8	34
232	Breaking the Si/Al Limit of Nanosized Zeolites: Promoting Catalytic Production of Lactide. <i>Chemistry of Materials</i> , 2020 , 32, 751-758	9.6	15
231	Layered Inorganic Cationic Frameworks beyond Layered Double Hydroxides (LDHs): Structures and Applications. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 4055-4063	2.3	2
230	Applications of Zeolites to C1 Chemistry: Recent Advances, Challenges, and Opportunities. <i>Advanced Materials</i> , 2020 , 32, e2002927	24	61
229	A Bifunctional Photo-Assisted Li-O Battery Based on a Hierarchical Heterostructured Cathode. <i>Advanced Materials</i> , 2020 , 32, e1907098	24	36
228	Zeolite-Encaged Pd/Mn Nanocatalysts for CO ₂ Hydrogenation and Formic Acid Dehydrogenation. <i>Angewandte Chemie</i> , 2020 , 132, 20358-20366	3.6	16
227	Zeolite-Encaged Pd-Mn Nanocatalysts for CO Hydrogenation and Formic Acid Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20183-20191	16.4	52
226	Ultrafast Encapsulation of Metal Nanoclusters into MFI Zeolite in the Course of Its Crystallization: Catalytic Application for Propane Dehydrogenation. <i>Angewandte Chemie</i> , 2020 , 132, 19837-19842	3.6	1
225	Promotion of Osseointegration between Implant and Bone Interface by Titanium Alloy Porous Scaffolds Prepared by 3D Printing. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 5181-5190	5.5	15
224	Porous Materials Applied in Nonaqueous Li-O Batteries: Status and Perspectives. <i>Advanced Materials</i> , 2020 , 32, e2002559	24	46
223	Fluoride etching opens access for bulky molecules to active sites in microporous Ti-beta zeolite. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2982-2989	7.8	9
222	Titanosilicate zeolite precursors for highly efficient oxidation reactions. <i>Chemical Science</i> , 2020 , 11, 12341-12349	4.1	13
221	Controlling the Morphology and Titanium Coordination States of TS-1 Zeolites by Crystal Growth Modifier. <i>Inorganic Chemistry</i> , 2020 , 59, 13201-13210	5.1	15
220	State of the Art and Perspectives of Hierarchical Zeolites: Practical Overview of Synthesis Methods and Use in Catalysis. <i>Advanced Materials</i> , 2020 , 32, e2004690	24	58
219	Titelbild: Direct Atomic-Level Imaging of Zeolites: Oxygen, Sodium in Na-LTA and Iron in Fe-MFI (Angew. Chem. 44/2020). <i>Angewandte Chemie</i> , 2020 , 132, 19529-19529	3.6	

218	Carbon Dots in Porous Materials: Host-Guest Synergy for Enhanced Performance. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19390-19402	16.4	45
217	Carbon Dots in a Matrix: Energy-Transfer-Enhanced Room-Temperature Red Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18443-18448	16.4	66
216	Red Room-Temperature Phosphorescence of CDs@Zeolite Composites Triggered by Heteroatoms in Zeolite Frameworks. <i>ACS Central Science</i> , 2019 , 5, 349-356	16.8	82
215	Selective synthesis of citrus flavonoids prunin and naringenin using heterogeneized biocatalyst on graphene oxide. <i>Green Chemistry</i> , 2019 , 21, 839-849	10	23
214	A dual-template method for the synthesis of bimetallic CuNi/SSZ-13 zeolite catalysts for NH ₃ -SCR reaction. <i>Inorganic Chemistry Communication</i> , 2019 , 105, 203-207	3.1	7
213	Under-liquid dual superlyophobic nanofibrous polymer membranes achieved by coating thin-film composites: a design principle. <i>Chemical Science</i> , 2019 , 10, 6382-6389	9.4	18
212	Template-Modulated Afterglow of Carbon Dots in Zeolites: Room-Temperature Phosphorescence and Thermally Activated Delayed Fluorescence 2019 , 1, 58-63		48
211	Enhanced Performance for Selective Catalytic Reduction of NO _x with NH ₃ over Nanosized Cu/SAPO-34 Catalysts. <i>ChemCatChem</i> , 2019 , 11, 3865-3870	5.2	8
210	Antibacterial activity of Ag-incorporated zirconosilicate zeolite scaffolds fabricated by additive manufacturing. <i>Inorganic Chemistry Communication</i> , 2019 , 105, 31-35	3.1	8
209	Systematic Study of Ti-Distribution in Titanosilicate *BEA Zeolites via Symmetry-Adapted Enumeration. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 593-596	4.9	
208	Mesopore-free synthesis of nanosized hierarchical ITQ-21 zeolites. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1184-1188	6.8	1
207	Synergetic Effect of Ultrasmall Metal Clusters and Zeolites Promoting Hydrogen Generation. <i>Advanced Science</i> , 2019 , 6, 1802350	13.6	45
206	Necessity of Heteroatoms for Realizing Hypothetical Aluminophosphate Zeolites: A High-Throughput Computational Approach. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1411-1415	6.4	13
205	Efficient post-synthesis of hierarchical SAPO-34 zeolites via organic amine etching under hydrothermal conditions and their enhanced MTO performance. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1299-1303	6.8	17
204	Amino Acid-Assisted Construction of Single-Crystalline Hierarchical Nanozeolites via Oriented-Aggregation and Intraparticle Ripening. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3772-3776	16.4	67
203	Creating Hierarchical Pores in Zeolite Catalysts. <i>Trends in Chemistry</i> , 2019 , 1, 601-611	14.8	68
202	Fabricating Mechanically Robust Binder-Free Structured Zeolites by 3D Printing Coupled with Zeolite Soldering: A Superior Configuration for CO Capture. <i>Advanced Science</i> , 2019 , 6, 1901317	13.6	26
201	Advanced Hybrid Electrolyte Li-O ₂ Battery Realized by Dual Superlyophobic Membrane. <i>Joule</i> , 2019 , 3, 2986-3001	27.8	30

200	Flexible Multifunctional Porous Nanofibrous Membranes for High-Efficiency Air Filtration. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43409-43415	9.5	27
199	Carbon Dots in a Matrix: Energy-Transfer-Enhanced Room-Temperature Red Phosphorescence. <i>Angewandte Chemie</i> , 2019 , 131, 18614-18619	3.6	17
198	Zeolite-Encaged Single-Atom Rhodium Catalysts: Highly-Efficient Hydrogen Generation and Shape-Selective Tandem Hydrogenation of Nitroarenes. <i>Angewandte Chemie</i> , 2019 , 131, 18743-18749	3.6	15
197	Zeolite-Encaged Single-Atom Rhodium Catalysts: Highly-Efficient Hydrogen Generation and Shape-Selective Tandem Hydrogenation of Nitroarenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18570-18576	16.4	152
196	Three-Dimensional-Printed Core-Shell Structured MFI-Type Zeolite Monoliths for Volatile Organic Compound Capture under Humid Conditions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38955-38963	9.5	21
195	Carbon Dots-in-Matrix Boosting Intriguing Luminescence Properties and Applications. <i>Small</i> , 2019 , 15, e1805504	11	87
194	Innentitelbild: Zeolite-Encaged Single-Atom Rhodium Catalysts: Highly-Efficient Hydrogen Generation and Shape-Selective Tandem Hydrogenation of Nitroarenes (Angew. Chem. 51/2019). <i>Angewandte Chemie</i> , 2019 , 131, 18466-18466	3.6	
193	Amino-Functionalized Porous Nanofibrous Membranes for Simultaneous Removal of Oil and Heavy-Metal Ions from Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1672-1679	9.5	55
192	Polyoxomolybdc Cobalt Encapsulated within Zr-Based Metal-Organic Frameworks as Efficient Heterogeneous Catalysts for Olefins Epoxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3624-3631	8.3	42
191	Vanadium contamination on the stability of zeolite USY and efficient passivation by La ₂ O ₃ for cracking of residue oil. <i>Microporous and Mesoporous Materials</i> , 2019 , 279, 345-351	5.3	3
190	Identifying a Membrane-Type 2 Matrix Metalloproteinase-Targeting Peptide for Human Lung Cancer Detection and Targeting Chemotherapy with Functionalized Mesoporous Silica.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 397-405	4.1	1
189	Ultrasml Metal Nanoparticles Confined within Crystalline Nanoporous Materials: A Fascinating Class of Nanocatalysts. <i>Advanced Materials</i> , 2019 , 31, e1803966	24	148
188	Synthesis of anatase-free nano-sized hierarchical TS-1 zeolites and their excellent catalytic performance in alkene epoxidation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9473-9479	13	73
187	Intermediate-crystallization promoted catalytic activity of titanosilicate zeolites. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8757-8762	13	50
186	High-Quality Single-Crystalline MFI-Type Nanozeolites: A Facile Synthetic Strategy and MTP Catalytic Studies. <i>Chemistry of Materials</i> , 2018 , 30, 2750-2758	9.6	57
185	Fabrication of bioactive 3D printed porous titanium implants with Sr ion-incorporated zeolite coatings for bone ingrowth. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3254-3261	7.3	29
184	Design and synthesis of a multifunctional porous N-rich polymer containing s-triazine and Tröger's base for CO ₂ adsorption, catalysis and sensing. <i>Polymer Chemistry</i> , 2018 , 9, 2643-2649	4.9	44
183	Cost-effective synthesis of hierarchical SAPO-34 zeolites with abundant intracrystalline mesopores and excellent MTO performance. <i>Chemical Communications</i> , 2018 , 54, 3697-3700	5.8	46

182	Biodegradable AIEgen-functionalised mesoporous bioactive glass nanoparticles for drug delivery and cell imaging. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 474-480	6.8	6
181	AIEgen-Functionalized Mesoporous Silica Gated by Cyclodextrin-Modified CuS for Cell Imaging and Chemo-Photothermal Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12155-12163	9.5	51
180	Toward a New Era of Designed Synthesis of Nanoporous Zeolitic Materials. <i>ACS Nano</i> , 2018 , 12, 4096-4106	10.7	41
179	An Extra-Large-Pore Zeolite with 2488-Ring Channels Using a Structure-Directing Agent Derived from Traditional Chinese Medicine. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6486-6490	16.4	31
178	Radical-Facilitated Green Synthesis of Highly Ordered Mesoporous Silica Materials. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4770-4773	16.4	58
177	Layer-by-Layer Approach to Superhydrophobic Zeolite Antireflective Coatings. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 51-54	4.9	5
176	The state-of-the-art synthetic strategies for SAPO-34 zeolite catalysts in methanol-to-olefin conversion. <i>National Science Review</i> , 2018 , 5, 542-558	10.8	103
175	Fluorescent sensors based on AIEgen-functionalised mesoporous silica nanoparticles for the detection of explosives and antibiotics. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2183-2188	6.8	29
174	An efficient synthetic route to accelerate zeolite synthesis via radicals. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2106-2110	6.8	17
173	Supramolecular Nanosystem Based on Pillararene-Capped CuS Nanoparticles for Targeted Chemo-Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29314-29324	9.5	59
172	A new two-dimensional layered germanate with in situ embedded carbon dots for optical temperature sensing. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 139-144	6.8	22
171	Entropy-driven self-assembly of chiral nematic liquid crystalline phases of AgNR@Cu ₂ O hyper branched coaxial nanorods and thickness-dependent handedness transition. <i>Nano Research</i> , 2018 , 11, 1018-1028	10	5
170	Quantum dots tethered membrane type 3 matrix metalloproteinase-targeting peptide for tumor optical imaging. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7719-7727	7.3	1
169	Enhancing CO Adsorption and Separation Properties of Aluminophosphate Zeolites by Isomorphous Heteroatom Substitutions. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43570-43577	9.5	20
168	A Hollow Porous CdS Photocatalyst. <i>Advanced Materials</i> , 2018 , 30, e1804368	24	124
167	Mesoprogen-Free Synthesis of Hierarchical SAPO-34 with Low Template Consumption and Excellent Methanol-to-Olefin Conversion. <i>ChemSusChem</i> , 2018 , 11, 3812-3820	8.3	32
166	CO ₂ adsorption and catalytic application of imidazole ionic liquid functionalized porous organic polymers. <i>Polymer Chemistry</i> , 2017 , 8, 1833-1839	4.9	36
165	AIE luminogen-functionalised mesoporous silica nanoparticles as nanotheranostic agents for imaging guided synergetic chemo-/photothermal therapy. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 833-839	6.8	13

164	Synthesis of hierarchical TS-1 zeolites with abundant and uniform intracrystalline mesopores and their highly efficient catalytic performance for oxidation desulfurization. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7992-7998	13	65
163	Roles of Hydroxyl Groups During Side-Chain Alkylation of Toluene with Methanol over Zeolite Na-Y: A Density Functional Theory Study. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 716-722	4.9	13
162	Carbon dots in zeolites: A new class of thermally activated delayed fluorescence materials with ultralong lifetimes. <i>Science Advances</i> , 2017 , 3, e1603171	14.3	194
161	Screening out unfeasible hypothetical zeolite structures via the closest non-adjacent OO pairs. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 1276-1280	3.6	10
160	AI-Egen-functionalised mesoporous silica nanoparticles as a FRET donor for monitoring drug delivery. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 468-472	6.8	16
159	Subnanometric Hybrid Pd-M(OH) ₂ , M = Ni, Co, Clusters in Zeolites as Highly Efficient Nanocatalysts for Hydrogen Generation. <i>CheM</i> , 2017 , 3, 477-493	16.2	148
158	Infused-liquid-switchable porous nanofibrous membranes for multiphase liquid separation. <i>Nature Communications</i> , 2017 , 8, 575	17.4	107
157	Multifunctional porous Tröger's base polymers with tetraphenylethene units: CO ₂ adsorption, luminescence and sensing properties. <i>Polymer Chemistry</i> , 2017 , 8, 4842-4848	4.9	27
156	Interrupted silicogermanate with 10-ring channels: synthesis and structure determination by combining rotation electron diffraction and powder X-ray diffraction. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1654-1659	6.8	4
155	Nanoseed-assisted synthesis of nano-sized SAPO-34 zeolites using morpholine as the sole template with superior MTO performance. <i>Chemical Communications</i> , 2017 , 53, 13328-13331	5.8	39
154	Applications of Zeolites in Sustainable Chemistry. <i>CheM</i> , 2017 , 3, 928-949	16.2	293
153	Seeding induced nano-sized hierarchical SAPO-34 zeolites: cost-effective synthesis and superior MTO performance. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14978-14982	13	86
152	Ionothermal synthesis and magnetic study of a new manganese(II) phosphite with an unprecedented Mn/P ratio. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 924-927	6.8	8
151	In Situ Confinement of Ultrasmall Pd Clusters within Nanosized Silicalite-1 Zeolite for Highly Efficient Catalysis of Hydrogen Generation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7484-7	16.4	375
150	A green surfactant-assisted synthesis of hierarchical TS-1 zeolites with excellent catalytic properties for oxidative desulfurization. <i>Chemical Communications</i> , 2016 , 52, 3368-71	5.8	92
149	Accelerated crystallization of zeolites via hydroxyl free radicals. <i>Science</i> , 2016 , 351, 1188-91	33.3	215
148	A non-chemically selective top-down approach towards the preparation of hierarchical TS-1 zeolites with improved oxidative desulfurization catalytic performance. <i>Chemical Communications</i> , 2016 , 52, 3580-3	5.8	87
147	Nanocrystalline SSZ-39 zeolite as an efficient catalyst for the methanol-to-olefin (MTO) process. <i>Chemical Communications</i> , 2016 , 52, 6072-5	5.8	67

146	Carbogenic nanodots derived from organo-templated zeolites with modulated full-color luminescence. <i>Chemical Science</i> , 2016 , 7, 3564-3568	9.4	86
145	AIE Luminogen-Functionalized Hollow Mesoporous Silica Nanospheres for Drug Delivery and Cell Imaging. <i>Chemistry - A European Journal</i> , 2016 , 22, 3681-5	4.8	40
144	Genetic engineering of inorganic functional modular materials. <i>Chemical Science</i> , 2016 , 7, 3472-3481	9.4	8
143	Simple Quaternary Ammonium Cations-Templated Syntheses of Extra-Large Pore Germanosilicate Zeolites. <i>Chemistry of Materials</i> , 2016 , 28, 6455-6458	9.6	39
142	A top-down approach to hierarchical SAPO-34 zeolites with improved selectivity of olefin. <i>Microporous and Mesoporous Materials</i> , 2016 , 234, 401-408	5.3	67
141	AIEgens-Functionalized Inorganic-Organic Hybrid Materials: Fabrications and Applications. <i>Small</i> , 2016 , 12, 6478-6494	11	71
140	Methyl viologen-templated zinc gallophosphate zeolitic material with dual photo-/thermochromism and tuneable photovoltaic activity. <i>Chemical Science</i> , 2015 , 6, 2922-2927	9.4	92
139	Synthesis of new zeolite structures. <i>Chemical Society Reviews</i> , 2015 , 44, 7112-27	58.5	336
138	The recyclable synthesis of hierarchical zeolite SAPO-34 with excellent MTO catalytic performance. <i>Chemical Communications</i> , 2015 , 51, 11987-9	5.8	44
137	Influence of Al ³⁺ on polymorph A enrichment in the crystallization of beta zeolite. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 889-896	11.3	10
136	AIE luminogen-functionalised mesoporous nanomaterials for efficient detection of volatile gases. <i>Chemical Communications</i> , 2015 , 51, 13830-3	5.8	35
135	Conversion of methanol to olefins: Stabilization of nanosized SAPO-34 by hydrothermal treatment. <i>Journal of Catalysis</i> , 2015 , 329, 379-388	7.3	81
134	Coupling of chromophores with exactly opposite luminescence behaviours in mesostructured organosilicas for high-efficiency multicolour emission. <i>Chemical Science</i> , 2015 , 6, 6097-6101	9.4	58
133	Synthesis of chiral polymorph A-enriched zeolite Beta with an extremely concentrated fluoride route. <i>Scientific Reports</i> , 2015 , 5, 11521	4.9	35
132	High proton conduction in a new alkali metal-templated open-framework aluminophosphate. <i>Chemical Communications</i> , 2015 , 51, 9317-9	5.8	48
131	In silico prediction and screening of modular crystal structures via a high-throughput genomic approach. <i>Nature Communications</i> , 2015 , 6, 8328	17.4	53
130	Synthesis of tri-level hierarchical SAPO-34 zeolite with intracrystalline micro-meso-macroporosity showing superior MTO performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19783-19789	13	87
129	Ultrafast synthesis of nano-sized zeolite SAPO-34 with excellent MTO catalytic performance. <i>Chemical Communications</i> , 2015 , 51, 16397-400	5.8	64

128	Octavinylsilsesquioxane-based luminescent nanoporous inorganic/organic hybrid polymers constructed by the Heck coupling reaction. <i>Polymer Chemistry</i> , 2015 , 6, 917-924	4.9	44
127	ZSM-5 zeolites with different SiO ₂ /Al ₂ O ₃ ratios as fluid catalytic cracking catalyst additives for residue cracking. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 806-812	11.3	12
126	Side-chain alkylation of toluene with methanol over boron phosphate modified cesium ion-exchanged zeolite X catalysts. <i>Journal of Porous Materials</i> , 2015 , 22, 1179-1186	2.4	19
125	Organotemplate-free synthesis of an open-framework magnesium aluminophosphate with proton conduction properties. <i>Chemical Communications</i> , 2015 , 51, 2149-51	5.8	33
124	Organosilane surfactant-directed synthesis of hierarchical porous SAPO-34 catalysts with excellent MTO performance. <i>Chemical Communications</i> , 2014 , 50, 6502-5	5.8	159
123	Near-infrared light-responsive supramolecular nanovalve based on mesoporous silica-coated gold nanorods. <i>Chemical Science</i> , 2014 , 5, 2804	9.4	202
122	High performance nanosheet-like silicoaluminophosphate molecular sieves: synthesis, 3D EDT structural analysis and MTO catalytic studies. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17828-17839	13	79
121	Solvatochromic AIE luminogens as supersensitive water detectors in organic solvents and highly efficient cyanide chemosensors in water. <i>Chemical Science</i> , 2014 , 5, 2710	9.4	228
120	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> , 2014 , 2, 17994-18004	13	82
119	Four-connected metal/organic frameworks constructed by tetracarboxylate acid-based ligands. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 478	6.8	10
118	Methylviologen-templated layered bimetal phosphate: a multifunctional X-ray-induced photochromic material. <i>Chemical Science</i> , 2014 , 5, 4237-4241	9.4	102
117	New stories of zeolite structures: their descriptions, determinations, predictions, and evaluations. <i>Chemical Reviews</i> , 2014 , 114, 7268-316	68.1	356
116	Surfactant-assisted sol-gel synthesis of zirconia supported phosphotungstates or Ti-substituted phosphotungstates for catalytic oxidation of cyclohexene. <i>Applied Catalysis A: General</i> , 2014 , 482, 84-91	5.1	21
115	Reprint of: AIE luminogen functionalized mesoporous silica nanoparticles as efficient fluorescent sensor for explosives detection in water. <i>Microporous and Mesoporous Materials</i> , 2014 , 200, 281-286	5.3	2
114	Confinement Effect of Zeolite Cavities on Methanol-to-Olefin Conversion: A Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 24935-24940	3.8	26
113	Organotemplate-free hydrothermal synthesis of an aluminophosphate molecular sieve with AEN zeotype topology and properties of its derivatives. <i>Chemical Communications</i> , 2014 , 50, 15400-3	5.8	22
112	A one-pot synthetic strategy via tandem Suzuki-Miyaura reactions for the construction of luminescent microporous organic polymers. <i>Polymer Chemistry</i> , 2014 , 5, 471-478	4.9	59
111	AIE luminogen functionalized mesoporous silica nanoparticles as efficient fluorescent sensor for explosives detection in water. <i>Microporous and Mesoporous Materials</i> , 2014 , 196, 46-50	5.3	27

110	The structure-directing effect of n-propylamine in the crystallization of open-framework aluminophosphates. <i>Science China Chemistry</i> , 2014 , 57, 127-134	7.9	8
109	Hydrothermal synthesis of an ITH-type germanosilicate zeolite in a non-concentrated gel system. <i>Journal of Porous Materials</i> , 2013 , 20, 975-981	2.4	14
108	Methanol to olefins: activity and stability of nanosized SAPO-34 molecular sieves and control of selectivity by silicon distribution. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14670-80	3.6	99
107	Flexible inorganic nanofibrous membranes with hierarchical porosity for efficient water purification. <i>Chemical Science</i> , 2013 , 4, 4378	9.4	90
106	Design and synthesis of two porous metal-organic frameworks with nbo and agw topologies showing high CO ₂ adsorption capacity. <i>Inorganic Chemistry</i> , 2013 , 52, 10720-2	5.1	39
105	A 4 + 4 strategy for synthesis of zeolitic metal-organic frameworks: an indium-MOF with SOD topology as a light-harvesting antenna. <i>Chemical Communications</i> , 2013 , 49, 11155-7	5.8	89
104	A chiral open-framework fluoroaluminophosphate with enantiomeric excess in the bulk product. <i>Chemical Communications</i> , 2013 , 49, 11287-9	5.8	6
103	Luminescent carbon dots in a new magnesium aluminophosphate zeolite. <i>Chemical Communications</i> , 2013 , 49, 9006-8	5.8	78
102	AIE cation functionalized layered zirconium phosphate nanoplatelets: ion-exchange intercalation and cell imaging. <i>Chemical Communications</i> , 2013 , 49, 9549-51	5.8	45
101	Molecular engineering of microporous crystals: (VII) The molar ratio dependence of the structure-directing ability of piperazine in the crystallization of four aluminophosphates with open-frameworks. <i>Microporous and Mesoporous Materials</i> , 2013 , 176, 112-122	5.3	15
100	A novel (3,3,6)-connected luminescent metal-organic framework for sensing of nitroaromatic explosives. <i>Dalton Transactions</i> , 2013 , 42, 5508-13	4.3	105
99	Zeolite-coated mesh film for efficient oil/water separation. <i>Chemical Science</i> , 2013 , 4, 591-595	9.4	335
98	Luminescent microporous organic polymers containing the 1,3,5-tri(4-ethenylphenyl)benzene unit constructed by Heck coupling reaction. <i>Polymer Chemistry</i> , 2013 , 4, 1932	4.9	79
97	Criteria for zeolite frameworks realizable for target synthesis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1673-7	16.4	93
96	Syntheses and characterizations of aluminophosphate molecular sieves AFI guided by missing value estimation on database of aluminophosphate syntheses. <i>Microporous and Mesoporous Materials</i> , 2013 , 174, 14-19	5.3	4
95	Germanate with three-dimensional 12 × 2 × 1-ring channels solved by X-ray powder diffraction with charge-flipping algorithm. <i>Inorganic Chemistry</i> , 2013 , 52, 10238-44	5.1	7
94	A gallogermanate zeolite with eleven-membered-ring channels. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5501-3	16.4	36
93	Multifunctional open-framework zinc phosphate [C ₁₂ H ₁₄ N ₂][Zn ₆ (PO ₄) ₄ (HPO ₄)(H ₂ O) ₂]: photochromic, photoelectric and fluorescent properties. <i>Chemical Communications</i> , 2013 , 49, 4995-7	5.8	78

92	Nanosize-Enhanced Lifetime of SAPO-34 Catalysts in Methanol-to-Olefin Reactions. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8214-8222	3.8	197
91	Photochemical switching behavior of azo-functionalized mesoporous silica photonic crystals. <i>Microporous and Mesoporous Materials</i> , 2013 , 168, 121-125	5.3	6
90	AIE luminogen bridged hollow hydroxyapatite nanocapsules for drug delivery. <i>Dalton Transactions</i> , 2013 , 42, 9877-83	4.3	36
89	Fabrication and catalytic performance of highly stable multifunctional core-shell zeolite composites. <i>Inorganic Chemistry</i> , 2013 , 52, 10708-10	5.1	21
88	A Gallogermanate Zeolite with Eleven-Membered-Ring Channels. <i>Angewandte Chemie</i> , 2013 , 125, 5611-5613	5.1	8
87	Criteria for Zeolite Frameworks Realizable for Target Synthesis. <i>Angewandte Chemie</i> , 2013 , 125, 1717-1721	3.6	21
86	FraGen: a computer program for real-space structure solution of extended inorganic frameworks. <i>Journal of Applied Crystallography</i> , 2012 , 45, 855-861	3.8	18
85	A Zinc Phosphate Structure with Unusual Double-Sheet Layers Templated by a Cobalt Hexaammine Complex. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 36-39	2.3	2
84	Tagging Anions through Crystal Engineering to Avoid Polymerization: Structural, Conformational and Theoretical Investigations of New Halocadmate $[Cd_2X_7]_3$ Anions (X = Cl/Br). <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 1195-1203	2.3	13
83	Divalent-metal-stabilized aluminophosphates exhibiting a new zeolite framework topology. <i>Inorganic Chemistry</i> , 2012 , 51, 225-9	5.1	30
82	$K_3[Tb(x)Eu(1-x)Ge_3O_8(OH)_2]$ ($x = 1, 0.88, 0.67, 0$): 2D-layered lanthanide germanates with tunable photoluminescent properties. <i>Inorganic Chemistry</i> , 2012 , 51, 4779-83	5.1	9
81	A Stacking Faults-Containing Silicogermanate with 24-Ring Channels and Unbranched Zweier Silica Double Chains. <i>Crystal Growth and Design</i> , 2012 , 12, 3714-3719	3.5	7
80	Synthesis and Pressure-induced Reversible Phase Transition of a Crystalline Solid Europium Germanate $NaEuGeO_4$. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 2066-2072	4.9	6
79	Progress in heteroatom-containing aluminophosphate molecular sieves. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012 , 468, 1955-1967	2.4	30
78	$[(C_6N_4H_{21})_2][Ge_7O_{14}F_6]$: A New Germanate Compound Constructed from Alternately Stacked Pseudo Triple-Sheet Layers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1362-1364	1.3	0
77	A Germanate Compound Constructed from Dissymmetric Ge_7 Chains and Metal Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1345-1350	1.3	3
76	Needs and trends in rational synthesis of zeolitic materials. <i>Chemical Society Reviews</i> , 2012 , 41, 1729-41	58.5	209
75	$NaEu_3(GeO_4)_2(OH)_2$: A High-Pressure-Stable Photoluminescent Lanthanide Germanate. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2527-2532	2.3	14

74	Supersensitive detection of explosives by recyclable AIE luminogen-functionalized mesoporous materials. <i>Chemical Communications</i> , 2012 , 48, 7167-9	5.8	196
73	Synthesis and structure determination of the hierarchical meso-microporous zeolite ITQ-43. <i>Science</i> , 2011 , 333, 1131-4	33.3	312
72	Antibacterial and anti-adhesive zeolite coatings on titanium alloy surface. <i>Microporous and Mesoporous Materials</i> , 2011 , 146, 216-222	5.3	61
71	Direct in situ crystallization of highly oriented silicalite-1 thin films on a surface sol-gel process modified substrate. <i>Microporous and Mesoporous Materials</i> , 2011 , 145, 104-107	5.3	14
70	Fabrication of molecular sieve fibers by electrospinning. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8511		31
69	Fabrication of hierarchically porous inorganic nanofibers by a general microemulsion electrospinning approach. <i>Small</i> , 2011 , 7, 1779-83	11	74
68	A Gallogermanate Zeolite Constructed Exclusively by Three-Ring Building Units. <i>Angewandte Chemie</i> , 2011 , 123, 3059-3061	3.6	9
67	Mesoporous silica functionalized with an AIE luminogen for drug delivery. <i>Chemical Communications</i> , 2011 , 47, 11077-9	5.8	59
66	(NH ₄) ₆ [Mn ₃ B ₆ P ₉ O ₃₆ (OH) ₃]·4H ₂ O: a new open-framework manganese borophosphate synthesized by using boric acid flux method. <i>Dalton Transactions</i> , 2011 , 40, 2549-54	4.3	21
65	Syntheses and characterizations of heteroatom-containing open-framework aluminophosphates. <i>Dalton Transactions</i> , 2011 , 40, 9289-94	4.3	5
64	Na ₈ CeSi ₆ O ₁₈ and Its Ti-Doped Analogue Na ₈ Ce _{0.73} Ti _{0.27} Si ₆ O ₁₈ with Interesting Photovoltaic Properties. <i>Chemistry of Materials</i> , 2011 , 23, 2842-2847	9.6	12
63	Investigation of Extra-Large Pore Zeolite Synthesis by a High-Throughput Approach. <i>Chemistry of Materials</i> , 2011 , 23, 4709-4715	9.6	36
62	Rational approaches toward the design and synthesis of zeolitic inorganic open-framework materials. <i>Accounts of Chemical Research</i> , 2010 , 43, 1195-204	24.3	186
61	Spontaneous crystallization of a new chiral open-framework borophosphate in the ionothermal system. <i>Dalton Transactions</i> , 2010 , 39, 1713-5	4.3	24
60	[Cu(en) ₂] _{0.5} [Al ₃ P ₃ O ₁₂ (OH)]-aluminophosphate with zeolite AWO: Synthesis, crystal structure and phase transformation. <i>Science China Chemistry</i> , 2010 , 53, 2159-2163	7.9	2
59	Fabrication of SAPO-34 Crystals with Different Morphologies by Microwave Heating. <i>Topics in Catalysis</i> , 2010 , 53, 1304-1310	2.3	78
58	Synthesis, characterization and properties of microporous lanthanide silicates: K ₈ Ln ₃ Si ₁₂ O ₃₂ N ₃ ·H ₂ O (Ln=Eu, Tb, Gd, Sm). <i>Solid State Sciences</i> , 2010 , 12, 422-427	3.4	6
57	The Synthesis of an Extra-Large-Pore Zeolite with Double Three-Ring Building Units and a Low Framework Density. <i>Angewandte Chemie</i> , 2010 , 122, 5106-5108	3.6	44

56	Extra-large-pore zeolites: bridging the gap between micro and mesoporous structures. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3120-45	16.4	401
55	Ionothermal synthesis of extra-large-pore open-framework nickel phosphite $5\text{H}_3\text{O}[\text{Ni}_8(\text{HPO}_3)_9\text{Cl}_3] \cdot 1.5\text{H}_2\text{O}$: magnetic anisotropy of the antiferromagnetism. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2328-31	16.4	57
54	The synthesis of an extra-large-pore zeolite with double three-ring building units and a low framework density. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4986-8	16.4	152
53	Computational prediction of the formation of microporous aluminophosphates with desired structural features. <i>Microporous and Mesoporous Materials</i> , 2010 , 129, 251-255	5.3	20
52	A unique self-assembled $(\text{H}_2\text{O})_{16}$ water cluster in an inorganic crystal host. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 1291-3	3.6	10
51	Heteroatom-stabilized chiral framework of aluminophosphate molecular sieves. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 314-7	16.4	78
50	Database of open-framework aluminophosphate syntheses: introduction and application (I). <i>Science in China Series B: Chemistry</i> , 2009 , 52, 1734-1738		13
49	Fabrication of silicalite-1 crystals with tunable aspect ratios by microwave-assisted solvothermal synthesis. <i>Microporous and Mesoporous Materials</i> , 2009 , 119, 217-222	5.3	26
48	Syntheses and characterizations of transition-metal-substituted aluminophosphate molecular sieves $[(\text{C}_3\text{N}_2\text{H}_5)_8][\text{M}_8\text{Al}_{16}\text{P}_{24}\text{O}_{96}]$ (M = Co, Mn, Zn) with zeotype LAU topology. <i>Inorganic Chemistry</i> , 2009 , 48, 198-203	5.1	17
47	A crystalline germanate with mesoporous 30-ring channels. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14128-9	16.4	77
46	Core-shell Composite of Ti-/Cr-AFI Molecular Sieve via Solvothermal Epitaxial Growth. <i>Crystal Growth and Design</i> , 2009 , 9, 1411-1414	3.5	7
45	Synthesis, structure and magnetic property of a new organo-templated mixed-valent iron(II, III) borophosphate. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4523		16
44	Fabrication of Zeolite Hollow Fibers by Coaxial Electrospinning. <i>Chemistry of Materials</i> , 2008 , 20, 3543-3545	9.6	70
43	$(\text{C}_6\text{H}_{10}\text{N}_3\text{O}_2)_2\text{Zn}_2(\text{HPO}_4)(\text{PO}_4) \cdot 12\text{H}_2\text{O}$: An inorganic network with biofunctional amino acid DL-histidine molecules. <i>CrystEngComm</i> , 2008 , 10, 497	3.3	15
42	Template-Designed Syntheses of Open-Framework Zinc Phosphites with Extra-Large 24-Ring Channels. <i>Crystal Growth and Design</i> , 2008 , 8, 2318-2323	3.5	58
41	$\text{Na}_2[\text{VB}_3\text{P}_2\text{O}_{12}(\text{OH})] \cdot 12\text{H}_2\text{O}$: A New Open-Framework Vanadium Borophosphate Containing Extra-Large 16-Ring Pore Openings and 128166 Super Cavities Synthesized by Using the Boric Acid Flux Method. <i>Chemistry of Materials</i> , 2008 , 20, 4900-4905	9.6	35
40	Chiral zeolitic materials: structural insights and synthetic challenges. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4021		108
39	$2\text{H}_3\text{O}[\text{Co}_8(\text{HPO}_3)_9(\text{CH}_3\text{OH})_3] \cdot 12\text{H}_2\text{O}$: An Open-Framework Cobalt Phosphite Containing Extra-Large 18-Ring Channels. <i>Chemistry of Materials</i> , 2008 , 20, 17-19	9.6	53

38	Morphology Changes of Transition-Metal-Substituted Aluminophosphate Molecular Sieve AlPO ₄₋₅ Crystals. <i>Chemistry of Materials</i> , 2008 , 20, 2160-2164	9.6	35
37	[Ni(1,2-PDA) ₃] ₂ (HOCH ₂ CH ₂ CH ₂ NH ₃) ₃ (H ₃ O) ₂ [Ge ₇ O ₁₄ X ₃] ₃ (X = F, OH): A New 1D Germanate with 12-Ring Hexagonal Tubular Channels. <i>Chemistry of Materials</i> , 2008 , 20, 370-372	9.6	51
36	Cotemplating Ionothermal Synthesis of a New Open-Framework Aluminophosphate with Unique Al/P Ratio of 6/7. <i>Chemistry of Materials</i> , 2008 , 20, 4179-4181	9.6	89
35	Combining structure modeling and electron microscopy to determine complex zeolite framework structures. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4401-5	16.4	23
34	A germanate built from a 6(8)12(6) cavity cotemplated by an (H ₂ O) ₁₆ cluster and 2-methylpiperazine. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7868-71	16.4	64
33	Synthesis, structure, and photoluminescence property of a new layered zirconium phosphate [Co(dien) ₂][Zr ₄ H ₈ (P ₅ O ₂₆)] × 3H ₂ O. <i>Inorganic Chemistry</i> , 2007 , 46, 5847-51	5.1	13
32	Syntheses and characterizations of three low-dimensional chloride-rich zincophosphates assembled about [d-Co(en) ₃] ⁽³⁺⁾ and [dl-Co(en) ₃] ⁽³⁺⁾ complex cations. <i>Inorganic Chemistry</i> , 2007 , 46, 6683-7	5.1	17
31	2007 ,		216
30	Morphology control of self-stacked silicalite-1 crystals using microwave-assisted solvothermal synthesis. <i>Microporous and Mesoporous Materials</i> , 2007 , 104, 296-304	5.3	33
29	Na _{2.4} CeSi ₆ O ₁₅ · 6H ₂ O: Hydrothermal synthesis, characterization and properties of a new luminescent microporous cerium silicate. <i>Microporous and Mesoporous Materials</i> , 2007 , 105, 58-64	5.3	18
28	Fabrication of super-hydrophobic and super-oleophilic boehmite membranes from anodic alumina oxide film via a two-phase thermal approach. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1741		36
27	Solid-state NMR spectroscopy of anionic framework aluminophosphates: a new method to determine the al/p ratio. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 2131-7	3.4	54
26	Syntheses and structures of two low-dimensional beryllium phosphate compounds: [C ₅ H ₁₄ N ₂] ₂ [Be ₃ (HPO ₄) ₅].H ₂ O and [C ₆ H ₁₈ N ₂] _{0.5} [Be ₂ (PO ₄)(HPO ₄)OH].0.5H ₂ O. <i>Inorganic Chemistry</i> , 2006 , 45, 3281-6	5.1	14
25	Chiral layered zincophosphate [d-Co(en) ₃] ₂ Zn ₃ (H _{0.5} PO ₄) ₂ (HPO ₄) ₂ assembled about d-Co(en) ₃ ⁽³⁺⁾ complex cations. <i>Inorganic Chemistry</i> , 2006 , 45, 4764-8	5.1	28
24	Insight into the construction of open-framework aluminophosphates. <i>Chemical Society Reviews</i> , 2006 , 35, 593-604	58.5	284
23	Fabrication of superhydrophilic Cu ₂ O and CuO membranes. <i>Journal of Membrane Science</i> , 2006 , 286, 279-284	9.6	55
22	Design of Chiral Zeolite Frameworks with Specified Channels through Constrained Assembly of Atoms. <i>Chemistry of Materials</i> , 2005 , 17, 4399-4405	9.6	48
21	Roselike Microstructures Formed by Direct In Situ Hydrothermal Synthesis: From Superhydrophilicity to Superhydrophobicity. <i>Chemistry of Materials</i> , 2005 , 17, 6177-6180	9.6	89

20	Towards Rational Synthesis of Microporous Aluminophosphate AlPO ₄ -21 by Hydrothermal Combinatorial Approach. <i>Topics in Catalysis</i> , 2005 , 35, 3-8	2.3	34
19	Covalent Bonding of Phosphonates of L-Proline and L-Cysteine to Zirconium Phosphate. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 2956-2960	2.3	13
18	A New 3-D Open-Framework Zinc Phosphate [C ₆ H ₁₆ N ₂][Zn ₂ (HPO ₄) ₃] Synthesized by a Solvothermal Combinatorial Approach. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 3718	2.3	3
17	Fine structures of zeolite-Linde-L (LTL): surface structures, growth unit and defects. <i>Chemistry - A European Journal</i> , 2004 , 10, 5031-40	4.8	69
16	Rich structure chemistry in the aluminophosphate family. <i>Accounts of Chemical Research</i> , 2003 , 36, 481-90	4.3	302
15	Assembly of one-dimensional AlP ₂ O ₈ chains into three-dimensional MAIP ₂ O ₈ [C ₂ N ₂ H ₉ frameworks through transition metal cations (M = Ni ²⁺ , Co ²⁺ and Fe ²⁺). <i>Dalton Transactions</i> , 2003 , 99-103	4.3	26
14	Hydrothermal synthesis and characterization of a new inorganic-organic hybrid layered zinc phosphate-phosphite (C ₆ H ₁₅ N ₂) ₂ Zn ₄ (PO ₄) ₂ (HPO ₃) ₂ . <i>Dalton Transactions RSC</i> , 2002 , 4060-4063		50
13	A new layered aluminophosphate [C ₄ H ₁₂ N ₂][Al ₂ P ₂ O ₈ (OH) ₂] templated by piperazine. <i>Journal of Materials Chemistry</i> , 2001 , 11, 1898-1902		28
12	Synthesis and characterization of a new three-dimensional aluminophosphate [Al ₁₁ P ₁₂ O ₄₈][C ₄ H ₁₂ N ₂][C ₄ H ₁₁ N ₂] with an Al/P ratio of 11 : 12. <i>Dalton Transactions RSC</i> , 2001 , 1809-1812		25
11	A novel open-framework aluminophosphate [AlP ₂ O ₆ (OH) ₂][H ₃ O] containing propeller-like chiral motifs. <i>Chemical Communications</i> , 2000 , 1431-1432	5.8	36
10	A new layered aluminophosphate [Al ₂ P ₄ O ₁₆][C ₆ H ₂₂ N ₄][C ₂ H ₁₀ N ₂] with 4.12-net porous sheets. <i>Dalton Transactions RSC</i> , 2000 , 1979-1980		14
9	Oriented Crystallization of KH ₂ PO ₄ under a Compressed Langmuir Monolayer. <i>Langmuir</i> , 1999 , 15, 4837-4841	4.841	17
8	Structures and Templating Effect in the Formation of 2D Layered Aluminophosphates with Al ₃ P ₄ O ₁₆ - Stoichiometry. <i>Chemistry of Materials</i> , 1999 , 11, 2600-2606	9.6	67
7	A Metal-Rich Fluorinated Indium Phosphate, 4[NH ₃ (CH ₂) ₃ NH ₃][B[H ₃ O]][In ₉ (PO ₄) ₆ (HPO ₄) ₂ F ₁₆][BH ₂ O], with 14-Membered Ring Channels. <i>Chemistry of Materials</i> , 1998 , 10, 773-776	9.6	32
6	Synthesis and Characterization of High-Quality Zeolite LTA and FAU Single Nanocrystals. <i>Chemistry of Materials</i> , 1998 , 10, 1483-1486	9.6	133
5	One-Pot 3D Printing Robust Self-Supporting MnO _x /Cu-SSZ-13 Zeolite Monolithic Catalysts for NH ₃ -SCR. <i>CCS Chemistry</i> , 1-29	7.2	1
4	Tailoring Porosity and Titanium Species of TS-1 Zeolites via Organic Base-assisted Sequential Post-treatment. <i>Chemical Research in Chinese Universities</i> , 1	2.2	0
3	Emerging applications of zeolites in catalysis, separation and host-guest assembly. <i>Nature Reviews Materials</i> ,	73.3	33

2	Lifetime-Engineered Phosphorescent Carbon Dots-in-Zeolite Composites for Naked-Eye Visible Multiplexing. <i>CCS Chemistry</i> ,252-264	7.2	12
1	Anionic Tuning of Zeolite Crystallization. <i>CCS Chemistry</i> ,189-198	7.2	5