Michael W Anderson

List of Publications by Year
in descending order

178 papers	7,693 citations	44069 48 h-index	66911 78 g-index
187 all docs	187 docs citations	187 times ranked	5657 citing authors

#	Article	IF	Citations
1	Simulating intergrowth formation in zeolite crystals: impact on habit and functionality. Faraday Discussions, 2022, 235, 343-361.	3.2	6
2	Synthesis of a KIT-6 mesoporous sulfonic acid catalyst to produce biodiesel from cashew nut oil. Brazilian Journal of Chemical Engineering, 2022, 39, 1001-1011.	1.3	1
3	<i>CrystalGrower</i>: a generic computer program for Monte Carlo modelling of crystal growth. Chemical Science, 2021, 12, 1126-1146.	7.4	18
4	Crystal growth of the core and rotated epitaxial shell of a heterometallic metalâ€“organic framework revealed with atomic force microscopy. Faraday Discussions, 2021, 231, 112-126.	3.2	6
5	Unveiling the mechanism of lattice-mismatched crystal growth of a coreâ€“shell metalâ€“organic framework. Chemical Science, 2019, 10, 9571-9575.	7.4	22
6	Evolution of the crystal growth mechanism of zeolite W (MER) with temperature. Microporous and Mesoporous Materials, 2019, 274, 379-384.	4.4	23
7	Insight and Control of the Crystal Growth of Zeolitic Imidazolate Framework ZIF-67 by Atomic Force Microscopy and Mass Spectrometry. Crystal Growth and Design, 2018, 18, 695-700.	3.0	29
8	Predicting crystal growth via a unified kinetic three-dimensional partition model. Nature, 2017, 544, 456-459.	27.8	88
9	Directing the Distribution of Potassium Cations in Zeolite-LTL through Crown Ether Addition. Crystal Growth and Design, 2017, 17, 4516-4521.	3.0	5
10	Tetrapropylammonium Occlusion in Nanoaggregates of Precursor of Silicalite-1 Zeolite Studied by 1H and 13C NMR. Inorganics, 2016, 4, 18.	2.7	4
11	Determination of the Preassembled Nucleating Units That Are Critical for the Crystal Growth of the Metalâ€“Organic Framework CdIFâ€4. Angewandte Chemie, 2016, 128, 9221-9225.	2.0	5
12	Determination of the Preassembled Nucleating Units That Are Critical for the Crystal Growth of the Metalâ€“Organic Framework CdIFâ€4. Angewandte Chemie - International Edition, 2016, 55, 9075-9079.	13.8	17
13	Kinetic Influence of Siliceous Reactions on Structure Formation of Mesoporous Silica Formed via the Co-Structure Directing Agent Route. Journal of Physical Chemistry C, 2016, 120, 3814-3821.	3.1	7
14	Nanoporous Intergrowths: How Crystal Growth Dictates Phase Composition and Hierarchical Structure in the CHA/AEI System. Chemistry of Materials, 2015, 27, 4205-4215.	6.7	37
15	In-Situ Atomic Force Microscopy Study of the Dissolution of Nanoporous SAPO-34 and SAPO-18. Journal of Physical Chemistry C, 2015, 119, 27580-27587.	3.1	3
16	Teaching a Chemistry MOOC with a Virtual Laboratory: Lessons Learned from an Introductory Physical Chemistry Course. Journal of Chemical Education, 2015, 92, 1661-1666.	2.3	30
17	CHA/AEI intergrowth materials as catalysts for the Methanol-to-Olefins process. Applied Catalysis A: General, 2015, 505, 1-7.	4.3	46
18	Anatomy of screw dislocations in nanoporous SAPO-18 as revealed by atomic force microscopy. Chemical Communications, 2015, 51, 6218-6221.	4.1	5

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19	Atomic Force Microscopy of Novel Zeolitic Materials Prepared by Topâ€Down Synthesis and ADOR Mechanism. Chemistry - A European Journal, 2014, 20, 10446-10450.	3.3	9
20	Recent progress in scanning electron microscopy for the characterization of fine structural details of nano materials. Progress in Solid State Chemistry, 2014, 42, 1-21.	7.2	66
21	Structures of Silicaâ€Based Nanoporous Materials Revealed by Microscopy. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 521-536.	1.2	14
22	Crystal growth of MOF-5 using secondary building units studied by in situ atomic force microscopy. CrystEngComm, 2014, 16, 9834-9841.	2.6	24
23	Atomic Force Microscopy and High Resolution Scanning Electron Microscopy Investigation of Zeolite A Crystal Growth. Part 2: In Presence of Organic Additives. Journal of Physical Chemistry C, 2014, 118, 23092-23099.	3.1	7
24	A review of fine structures of nanoporous materials as evidenced by microscopic methods. Microscopy (Oxford, England), 2013, 62, 109-146.	1.5	44
25	Influence of Isomorphous Substituting Cobalt Ions on the Crystal Growth of the MOF-5 Framework Determined by Atomic Force Microscopy of Growing Coreâ€"Shell Crystals. Crystal Growth and Design, 2013, 13, 4526-4532.	3.0	21
26	Crystallisation of solvothermally synthesised ZIF-8 investigated at the bulk, single crystal and surface level. CrystEngComm, 2013, 15, 9672.	2.6	48
27	Materials Discovery and Crystal Growth of Zeoliteâ€…A Type Zeoliticâ€"Imidazolate Frameworks Revealed by Atomic Force Microscopy. Chemistry - A European Journal, 2013, 19, 8236-8243.	3.3	24
28	Crystal Growth Mechanisms and Morphological Control of the Prototypical Metalâ€"Organic Framework MOFâ€5 Revealed by Atomic Force Microscopy. Chemistry - A European Journal, 2012, 18, 15406-15415.	3.3	75
29	Growth Mechanism of Microporous Zincophosphate Sodalite Revealed by In Situ Atomic Force Microscopy. Journal of the American Chemical Society, 2012, 134, 13066-13073.	13.7	28
30	AFM and HRSEM Invesitigation of Zeolite A Crystal Growth. Part 1: In the Absence of Organic Additives. Journal of Physical Chemistry C, 2011, 115, 12567-12574.	3.1	24
31	Crystal Growth Studies on Microporous Zincophosphate-Faujasite Using Atomic Force Microscopy. Crystal Growth and Design, 2011, 11, 3163-3171.	3.0	12
32	Revelation of the Molecular Assembly of the Nanoporous Metal Organic Framework ZIF-8. Journal of the American Chemical Society, 2011, 133, 13304-13307.	13.7	142
33	Mesopore generation by organosilane surfactant during LTA zeolite crystallization, investigated by high-resolution SEM and Monte Carlo simulation. Solid State Sciences, 2011, 13, 750-756.	3.2	38
34	Hierarchical porous materials: Internal structure revealed by argon ion-beam cross-section polishing, HRSEM and AFM. Solid State Sciences, 2011, 13, 745-749.	3.2	9
35	A new HRSEM approach to observe fine structures of novel nanostructured materials. Microporous and Mesoporous Materials, 2011, 146, 11-17.	4.4	9
36	The Porosity, Acidity, and Reactivity of Dealuminated Zeolite ZSMâ€5 at the Single Particle Level: The Influence of the Zeolite Architecture. Chemistry - A European Journal, 2011, 17, 13773-13781.	3.3	94

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37	Unstitching the Nanoscopic Mystery of Zeolite Crystal Formation. Journal of the American Chemical Society, 2010, 132, 13858-13868.	13.7	39
38	Evolution of Surface Morphology with Introduction of Stacking Faults in Zeolites. Chemistry - A European Journal, 2010, 16, 2220-2230.	3.3	22
39	Unified Internal Architecture and Surface Barriers for Molecular Diffusion of Microporous Crystalline Aluminophosphates. Angewandte Chemie - International Edition, 2010, 49, 6790-6794.	13.8	23
40	Assessing Molecular Transport Properties of Nanoporous Materials by Interference Microscopy: Remarkable Effects of Composition and Microstructure on Diffusion in the Silicoaluminophosphate Zeotype STA-7. Journal of the American Chemical Society, 2010, 132, 11665-11670.	13.7	36
41	Growth Mechanisms in SAPO-34 Studied by White Light Interferometry and Atomic Force Microscopy. Crystal Growth and Design, 2010, 10, 2824-2828.	3.0	17
42	Modifying the Crystal Habit of Zeolite L by Addition of an Organic Space Filler. Journal of Physical Chemistry C, 2010, 114, 18240-18246.	3.1	21
43	Adsorption of sodium dodecyl sulfate and sodium dodecyl phosphate at the surface of aluminium oxide studied with AFM. Corrosion Science, 2010, 52, 1103-1105.	6.6	20
44	Coaxial Core Shell Overgrowth of Zeolite L â˘ Dependence on Original Crystal Growth Mechanism. Crystal Growth and Design, 2010, 10, 5182-5186.	3.0	15
45	In situ crystal growth of nanoporous zincophosphate observed by atomic force microscopy. Chemical Communications, 2010, 46, 1047.	4.1	15
46	Nanoscale Electron Beam Damage Studied by Atomic Force Microscopy. Journal of Physical Chemistry C, 2009, 113, 18441-18443.	3.1	6
47	Connectivity Analysis of the Clear Sol Precursor of Silicalite: Are Nanoparticles Aggregated Oligomers or Silica Particles?. Journal of Physical Chemistry C, 2009, 113, 20827-20836.	3.1	51
48	Spiral Growth on Nanoporous Silicoaluminophosphate STA-7 as Observed by Atomic Force Microscopy. Crystal Growth and Design, 2009, 9, 4041-4050.	3.0	24
49	29Si NMR Relaxation of Silicated Nanoparticles in Tetraethoxysilaneâ˘Tetrapropylammonium Hydroxideâ˘Water System (TEOSâ˘TPAOHâ˘H2O). Journal of Physical Chemistry C, 2009, 113, 10838-10841.	3.1	25
50	Mesoporous Microspheres with Doubly Ordered Coreâ˘Shell Structure. Chemistry of Materials, 2009, 21, 18-20.	6.7	36
51	Single layer growth of sub-micron metalâ€“organic framework crystals observed by in situ atomic force microscopy. Chemical Communications, 2009, , 6294.	4.1	56
52	Fundamental Crystal Growth Mechanism in Zeolite L Revealed by Atomic Force Microscopy. Angewandte Chemie - International Edition, 2008, 47, 5327-5330.	13.8	49
53	Crystal Growth of the Nanoporous Metalâ€“Organic Framework HKUSTâ€1 Revealed by In Situ Atomic Force Microscopy. Angewandte Chemie - International Edition, 2008, 47, 8525-8528.	13.8	156
54	Shape-dependent crystal growth of zeolite L studied by atomic force microscopy. Studies in Surface Science and Catalysis, 2008, 174, 909-912.	1.5	3

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55	Crystal form, defects and growth of the metal organic framework HKUST-1 revealed by atomic force microscopy. CrystEngComm, 2008, 10, 646.	2.6	98
56	Synthesis and characterization of hierarchical porous materials incorporating a cubic mesoporous phase. Journal of Materials Chemistry, 2008, 18, 4985.	6.7	34
57	In situ atomic force microscopy of zeolite A dissolution. Physical Chemistry Chemical Physics, 2008, 10, 5066.	2.8	34
58	Nanometre resolution using high-resolution scanning electron microscopy corroborated by atomic force microscopy. Chemical Communications, 2008, , 3894.	4.1	13
59	Combined MS and NMR: attractive route to future understanding of the first stages of nucleation of nanoporous materials. Studies in Surface Science and Catalysis, 2008, , 941-944.	1.5	4
60	High-Resolution scanning electron and atomic force microscopies: observation of nanometer features on zeolite Surfaces. Studies in Surface Science and Catalysis, 2008, 174, 775-780.	1.5	4
61	Modelling crystal growth in zeolite A. Studies in Surface Science and Catalysis, 2008, 174, 705-708.	1.5	4
62	Is constant mean curvature a valid description for mesoporous materials?. Studies in Surface Science and Catalysis, 2007, 165, 13-16.	1.5	5
63	In situ AFM of dissolution processes in zeolitic materials. Studies in Surface Science and Catalysis, 2007, 170, 177-184.	1.5	3
64	Crystal growth in nanoporous framework materials. Faraday Discussions, 2007, 136, 143.	3.2	22
65	Differentiating fundamental structural units during the dissolution of zeolite A. Chemical Communications, 2007, , 2473.	4.1	21
66	Controlling Relative Fundamental Crystal Growth Rates in Silicalite:â€‰ AFM Observation. Journal of the American Chemical Society, 2007, 129, 15192-15201.	13.7	38
67	Chapter 6. Elucidating Crystal Growth in Nanoporous Materials: The Importance of Microscopy. , 2007, , 95-122.		1
68	Meso-cellular silica foams, macro-cellular silica foams and mesoporous solids: a study of emulsion-mediated synthesis. Microporous and Mesoporous Materials, 2005, 78, 255-263.	4.4	57
69	In situ NMR and XRD studies of the growth mechanism of SBA-1. Physical Chemistry Chemical Physics, 2005, 7, 1845.	2.8	25
70	A New Minimal Surface and the Structure of Mesoporous Silicas. Angewandte Chemie - International Edition, 2005, 44, 3243-3248.	13.8	39
71	Zeolitisation of Diatoms. Journal of Nanoscience and Nanotechnology, 2005, 5, 92-95.	0.9	13
72	Modern microscopy methods for the structural study of porous materials. Chemical Communications, 2004, , 907.	4.1	74

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73	Probing the Acid Strength of BrÃ¸nsted Acidic Zeolites with Acetonitrile:Â Quantum Chemical Calculation of1H,15N, and13C NMR Shift Parameters. Journal of Physical Chemistry B, 2004, 108, 7142-7151.	2.6	34
74	Probing the Acid Strength of BrÃ¸nsted Acidic Zeolites with Acetonitrile:Â An Atomistic and Quantum Chemical Study. Journal of Physical Chemistry B, 2004, 108, 7152-7161.	2.6	58
75	One-Pot Synthesis of Hierarchically Ordered Porous-Silica Materials with Three Orders of Length Scale. Angewandte Chemie - International Edition, 2003, 42, 4649-4653.	13.8	146
76	Silicalite Crystal Growth Investigated by Atomic Force Microscopy. Journal of the American Chemical Society, 2003, 125, 830-839.	13.7	143
77	Macro-cellular silica foams: synthesis during the natural creaming process of an oil-in-water emulsion. Chemical Communications, 2003, , 2182.	4.1	52
78	Atomic force microscopy study of the molecular sieve MnAPO-50. Chemical Communications, 2003, , 2300-2301.	4.1	6
79	Synthesis, characterization and catalytic activity of vanadium-containing ETS-10. Studies in Surface Science and Catalysis, 2002, 142, 327-334.	1.5	12
80	Synthesis and Characterization of Two Novel Large-Pore Crystalline Vanadosilicates. Chemistry of Materials, 2002, 14, 1053-1057.	6.7	28
81	Theoretical Study of Toluene Adsorbed on Zeolites X and Y:â€‰ Calculation of 13C NMR Parameters. Journal of Physical Chemistry B, 2002, 106, 10944-10954.	2.6	26
82	A novel large-pore framework titanium silicate catalyst. Journal of Materials Chemistry, 2002, 12, 3819-3822.	6.7	6
83	Dehydration of Alcohols by Microporous Niobium Silicate AM-11. Catalysis Letters, 2002, 80, 99-102.	2.6	25
84	Surface microscopy of porous materials. Current Opinion in Solid State and Materials Science, 2001, 5, 407-415.	11.5	25
85	Solid-state NMR studies of n-butene isomerisation over H-ferrierite. Journal of Molecular Catalysis A, 2001, 174, 223-230.	4.8	7
86	Growth models in microporous materials. Microporous and Mesoporous Materials, 2001, 48, 1-9.	4.4	62
87	Catalytic studies of the novel microporous niobium silicate AM-11. Applied Catalysis A: General, 2001, 207, 229-238.	4.3	10
88	Fundamental Zeolite Crystal Growth Rates from Simulation of Atomic Force Micrographs J.R.A. gratefully acknowledges the EPSRC for Advanced Fellowship no AF/990985 and N.H. acknowledges financial support from the EPSRC.. Angewandte Chemie - International Edition, 2001, 40, 4065.	13.8	40
89	Gas-phase synthesis of MTBE from methanol and t-butanol over the microporous niobium silicate AM-11. Catalysis Letters, 2001, 73, 59-62.	2.6	6
90	Crystal growth in framework materials. Solid State Sciences, 2001, 3, 809-819.	3.2	39

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91	Hierarchical Pore Structures through Diatom Zeolitization. Angewandte Chemie - International Edition, 2000, 39, 2707-2710.	13.8	215
92	The acidity and catalytic activity of heteropoly acid on MCM-41 investigated by MAS NMR, FTIR and catalytic tests. Applied Catalysis A: General, 2000, 192, 57-69.	4.3	173
93	Aldol-Type Reactions over Basic Microporous Titanosilicate ETS-10 Type Catalysts. Journal of Catalysis, 2000, 189, 395-400.	6.2	70
94	Fine Structures of Zeolites and Mesoporous Materials. Microscopy and Microanalysis, 2000, 6, 8-9.	0.4	1
95	The effect of stirring on the synthesis of intergrowths of zeolite Y polymorphs. Physical Chemistry Chemical Physics, 2000, 2, 3349-3357.	2.8	30
96	The strong basicity of the microporous titanosilicate ETS-10. Catalysis Letters, 1999, 57, 151-153.	2.6	56
97	Cation sites in ETS-10: 23Na 3Q MAS NMR and lattice energy minimisation calculations. Physical Chemistry Chemical Physics, 1999, 1, 2287-2292.	2.8	43
98	Synthesis and characterisation of microporous titanoniobosilicate ETNbS-10. Chemical Communications, 1999, , 471-472.	4.1	28
99	Synthesis and Structural Characterization of Microporous Framework Zirconium Silicates. Journal of Physical Chemistry B, 1999, 103, 957-963.	2.6	46
100	A Novel Method for the Growth of Silicalite Membranes on Stainless Steel Supports. Chemistry of Materials, 1999, 11, 3329-3332.	6.7	49
101	Dehydration of tâ€butanol over basic ETSâ€10, ETASâ€10 and AMâ€6 catalysts. Catalysis Letters, 1998, 53, 221-224.	2.6	37
102	Solid-state NMR studies of adsorption complexes and surface methoxy groups on methanol-sorbed microporous materials. Journal of Catalysis, 1998, 177, 189-207.	6.2	30
103	n-Hexane Reforming Reactions over Basic Pt-ETS-10 and Pt-ETAS-10. Journal of Catalysis, 1998, 178, 174-181.	6.2	35
104	Synthesis of microporous titanosilicate ETS-10 from TiCl3 and TiO2: a comprehensive study. Microporous and Mesoporous Materials, 1998, 23, 253-263.	4.4	90
105	Investigation of surface methoxy groups on SAPO-34 A combined magic-angle turning NMR experimental approach with theoretical studies. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2851-2856.	1.7	19
106	Growth of Quantum-Confined Indium Phosphide inside MCM-41. Journal of Physical Chemistry B, 1998, 102, 3345-3353.	2.6	148
107	Synthesis and characterisation of microporous titano-borosilicate ETBS-10. Chemical Communications, 1998, , 667-668.	4.1	13
108	13C and 15N solid-state MAS NMR study of the conversion of methanol and ammonia over H-RHO and H-SAPO-34 microporous catalysts. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1119-1122.	1.7	13

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109	Synthesis and characterisation of a novel microporous niobium silicate catalyst. Chemical Communications, 1998, , 2687-2688.	4.1	28
110	31P Magic-Angle-Turning NMR Studies of the Chemical and Electronic Nature of Phosphorus in Magnesium Aluminophosphate MgAPO-20. Journal of Physical Chemistry B, 1998, 102, 8974-8977.	2.6	11
111	Crystallization in Zeolite A Studied by Atomic Force Microscopy. Journal of the American Chemical Society, 1998, 120, 10754-10759.	13.7	113
112	Synthesis and characterisation of a microporous zirconium silicate with the structure of petarasite. Chemical Communications, 1998, , 1269-1270.	4.1	20
113	Ab initio structure determination of layered sodium titanium silicate containing edge-sharing titanate chains (AM-4) Na3(Na,H)Ti2O2[Si2O6]Â·2.2H2O. Chemical Communications, 1997, , 2371-2372.	4.1	43
114	29Si27Al and 1H Solid-State NMR Study of the Surface of Zeolite MAP. Chemistry of Materials, 1997, 9, 1927-1932.	6.7	15
115	Synthesis and Structural Characterization of Microporous Umbite, Penkvilksite, and Other Titanosilicates. Journal of Physical Chemistry B, 1997, 101, 7114-7120.	2.6	134
116	Cubosome Description of the Inorganic Mesoporous Structure MCM-48. Chemistry of Materials, 1997, 9, 2066-2070.	6.7	59
117	Simplified description of MCM-48. Zeolites, 1997, 19, 220-227.	0.5	68
118	Interface phenomena and optical properties of structurally confined InP quantum wire ensembles. Physics of the Solid State, 1997, 39, 641-648.	0.6	8
119	Solid-State NMR Investigation of Ethylbenzene Reactions over HMOR and Ptâ€“HMOR Catalysts. Journal of Catalysis, 1997, 167, 266-272.	6.2	14
120	Characterisation studies on the new microporous aluminium-containing ETS-10 molecular sieve used for processing larger molecules. Microporous Materials, 1997, 10, 211-224.	1.6	22
121	The First Large-Pore Vanadosilicate Framework Containing Hexacoordinated Vanadium. Angewandte Chemie International Edition in English, 1997, 36, 100-102.	4.4	70
122	Structure of MCM-48 Revealed by Transmission Electron Microscopy. Chemistry of Materials, 1996, 8, 1141-1146.	6.7	260
123	Determination of the Structure of Distorted TiO6Units in the Titanosilicate ETS-10 by a Combination of X-ray Absorption Spectroscopy and Computer Modeling. The Journal of Physical Chemistry, 1996, 100, 449-452.	2.9	78
124	Observations on the role of crow nether templates in the formation of hexagonal and cubic polymorphs of zeolite Y. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1996, 452, 715-740.	2.1	29
125	Synthesis and Structural Studies of Microporous Titaniumâ^'Niobiumâ^'Silicates with the Structure of Nenadkevichite. The Journal of Physical Chemistry, 1996, 100, 14978-14983.	2.9	44
126	Textural, structural and acid properties of a catalytically active mesoporous aluminosilicate MCM-41. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4623.	1.7	54

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127	Direct Observation of Zeolite A Synthesis by in Situ Solid-State NMR. Chemistry of Materials, 1996, 8, 369-375.	6.7	110
128	Novel microporous titaniumâ€"niobiumâ€"silicates with the structure of nenadkevichite. Chemical Communications, 1996, , 669-670.	4.1	27
129	Solid-state NMR as a probe of porous catalysts and catalytic processes. Topics in Catalysis, 1996, 3, 195-220.	2.8	15
130	Solid-State NMR Investigation ofn-Heptane Cracking over Zeolite Beta. Journal of Catalysis, 1996, 158, 385-401.	6.2	16
131	Solid-State13C MAS NMR Study of Methanol-to-Hydrocarbon Chemistry over H-SAPO-34. Journal of Catalysis, 1996, 164, 301-314.	6.2	69
132	Structural investigation of ETS-4. Zeolites, 1996, 16, 98-107.	0.5	105
133	Kraftmikroskopische Untersuchung des Kristallwachstums von Zeolith Y. Angewandte Chemie, 1996, 108, 1301-1304.	2.0	11
134	Crystal Growth in Zeolite Y Revealed by Atomic Force Microscopy. Angewandte Chemie International Edition in English, 1996, 35, 1210-1213.	4.4	87
135	Phase transformation of microporous titanosilicate ETS-4 into narsarsukite. Zeolites, 1996, 17, 437-443.	0.5	40
136	29Si solid-state NMR study of mesoporous M41S materials. Chemistry of Materials, 1995, 7, 1829-1832.	6.7	78
137	A combined MAS nuclear magnetic resonance spectroscopy, in situ FT infrared spectroscopy and catalytic study of the conversion of allyl alcohol over zeolite catalysts. Catalysis Letters, 1995, 31, 377-393.	2.6	7
138	Ga, Ti avoidance in the microporous titanogallosilicate ETGS-10. Journal of the Chemical Society Chemical Communications, 1995, , 867.	2.0	25
139	Solid-State NMR Investigation of the Alkylation of Toluene with Methanol over Basic Zeolite X. Journal of the American Chemical Society, 1994, 116, 5774-5783.	13.7	91
140	14N NMR study of surfactant mesophases in the synthesis of mesoporous silicates. Journal of the Chemical Society Chemical Communications, 1994, , 1571.	2.0	87
141	Dealumination of Hexagonal (EMT)/Cubic (FAU) Zeolite Intergrowth Materials: A SEM and HRTEM Study. Chemistry of Materials, 1994, 6, 2201-2204.	6.7	30
142	Aspects of the characterization of cloverite by solid-state n.m.r. techniques. Zeolites, 1993, 13, 607-610.	0.5	14
143	The confinement of buckminsterfullerene in one-dimensional channels. Journal of the Chemical Society Chemical Communications, 1993, , 533.	2.0	42
144	Observation of spatially correlated intergrowths of faujasitic polytypes and the pure end members by high-resolution electron microscopy. Chemistry of Materials, 1993, 5, 452-458.	6.7	75

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145	1H and 13C Solid-State NMR Studies of Catalytic Reactions on Molecular Sieves. , 1993, , 473-494.		0
146	Carbon-13 and proton magic-angle-spinning NMR studies of the conversion of methanol over offretite/erionite intergrowths. The Journal of Physical Chemistry, 1992, 96, 388-392.	2.9	40
147	Synthesis of self-supporting zeolite films. Journal of Materials Chemistry, 1992, 2, 255.	6.7	44
148	Application of DEFT and SEFT for signal-to-noise ratio enhancement andT2-selective spectra in29Si MAS NMR of zeolites. Magnetic Resonance in Chemistry, 1992, 30, 898-904.	1.9	9
149	Intergrowths of cubic and hexagonal polytypes of faujasitic zeolites. Journal of the Chemical Society Chemical Communications, 1991, , 1660-1664.	2.0	73
150	Proton magic-angle-spinning NMR studies of the adsorption of alcohols on molecular sieve catalysts. The Journal of Physical Chemistry, 1991, 95, 235-239.	2.9	86
151	Monitoring organic products of catalytic reactions on zeolites by two-dimensional J-resolved solid-state NMR. Chemical Physics Letters, 1990, 172, 275-278.	2.6	35
152	Solid-state NMR studies of the structure and reactivity of molecular sieve catalysts. Magnetic Resonance in Chemistry, 1990, 28, S68-S81.	1.9	15
153	In situ solid-state NMR studies of the catalytic conversion of methanol on the molecular sieve SAPO-34. The Journal of Physical Chemistry, 1990, 94, 2730-2734.	2.9	75
154	Solid-state NMR evidence for the strong binding of methanol prior to carbonâ€“carbon bond formation during the synthesis of gasoline on molecular sieve catalysts. Journal of the Chemical Society Chemical Communications, 1990, , 918-920.	2.0	17
155	Solid-state NMR studies of the shape-selective catalytic conversion of methanol into gasoline on zeolite ZSM-5. Journal of the American Chemical Society, 1990, 112, 10-16.	13.7	157
156	Layered titanate pillared with alumina. Inorganic Chemistry, 1990, 29, 3260-3263.	4.0	64
157	Adsorption complexes of methanol on zeolite ZSM-5. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 3039.	1.7	205
158	Luminescence probes of vanadium-contaminated fluid cracking catalysts. Journal of Catalysis, 1989, 118, 31-42.	6.2	16
159	Direct observation of shape selectivity in zeolite ZSM-5 by magic-angle-spinning NMR. Nature, 1989, 339, 200-203.	27.8	187
160	Zeolites treated with silicon tetrachloride vapour. Part 5.â€"Catalytic cracking of n-hexane. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 1945.	1.0	6
161	Solid-State NMR Studies of Shape Selectivity in Zeolites. Studies in Surface Science and Catalysis, 1989, , 91-112.	1.5	1
162	Assessment of the sphericalâ€averaging approximation for the interpretation of electron spinâ€echo modulation for cupric ion complexes. Journal of Chemical Physics, 1987, 87, 1-6.	3.0	23

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163	Study of copper(2+) location in zeolites Na-A and K-A by electron spin resonance and electron spin echo spectroscopies. The Journal of Physical Chemistry, 1987, 91, 1850-1856.	2.9	16
164	Electron spin echo envelope modulation of powder samples exhibiting axially symmetric g tensors. The Journal of Physical Chemistry, 1987, 91, 2684-2686.	2.9	2
165	Study of copper(2+)-doped zeolite NaH-ZSM-5 by electron spin resonance and electron spin echo modulation spectroscopies. The Journal of Physical Chemistry, 1987, 91, 4174-4179.	2.9	120
166	Interpretation of electron spin-echo modulation for copper(II) complexes in crystalline powders. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 3505.	1.0	4
167	Study of copper(2+)-doped zeolites Na-rho, K-rho, and Ca-rho by electron spin resonance and electron spin echo modulation spectroscopies. The Journal of Physical Chemistry, 1987, 91, 2926-2930.	2.9	10
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