

Raul F Lobo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ga ₂ O ₂ ²⁺ Stabilized by Paired Framework Al Atoms in MFI: A Highly Reactive Site in Nonoxidative Propane Dehydrogenation. ACS Catalysis, 2022, 12, 1775-1783.	11.2	18
2	Propane Dehydrogenation over Extra-Framework In(I) in Chabazite Zeolites. Chemical Science, 2022, 13, 2954-2964.	7.4	12
3	Olefin methylation over iron zeolites and the methanol to hydrocarbons reaction. Applied Catalysis A: General, 2022, 641, 118645.	4.3	3
4	Comparison of 4,4'-Dimethylbiphenyl from Biomass-Derived Furfural and Oil-Based Resource: Technoeconomic Analysis and Life-Cycle Assessment. Industrial & Engineering Chemistry Research, 2022, 61, 8963-8972.	3.7	6
5	Ga speciation in Ga/H-ZSM-5 by in-situ transmission FTIR spectroscopy. Journal of Catalysis, 2021, 393, 60-69.	6.2	25
6	Improved slit-shaped microseparator and its integration with a microreactor for modular biomanufacturing. Green Chemistry, 2021, 23, 3700-3714.	9.0	6
7	Ethane Dehydrogenation on Single and Dual Centers of Ga-modified γ -Al ₂ O ₃ . ACS Catalysis, 2021, 11, 1380-1391.	11.2	30
8	Selective Synthesis of 4,4'-Dimethylbiphenyl from 2-Methylfuran. ACS Sustainable Chemistry and Engineering, 2021, 9, 3316-3323.	6.7	11
9	Carbocation-Mediated Cyclization of Trienes in Acid Zeolites. Journal of Physical Chemistry A, 2021, 125, 4062-4069.	2.5	2
10	Oxidative coupling of 2-methyl furoate: A scalable synthesis of dimethyl 2,2'-bifuran-5,5'-dicarboxylate. Applied Catalysis A: General, 2021, 619, 118138.	4.3	5
11	Understanding the Correlation between Ga Speciation and Propane Dehydrogenation Activity on Ga/H-ZSM-5 Catalysts. ACS Catalysis, 2021, 11, 10647-10659.	11.2	29
12	Nickel-Loaded SSZ-13 Zeolite-Based Sensor for the Direct Electrical Readout Detection of NO ₂ . Industrial & Engineering Chemistry Research, 2021, 60, 14371-14380.	3.7	4
13	Scaleup of a Single-Mode Microwave Reactor. Industrial & Engineering Chemistry Research, 2020, 59, 2516-2523.	3.7	36
14	Role of Boron in Enhancing the Catalytic Performance of Supported Platinum Catalysts for the Nonoxidative Dehydrogenation of <i>n</i> -Butane. ACS Catalysis, 2020, 10, 1500-1510.	11.2	21
15	Selective and Efficient Production of Biomass-Derived Vinylfurans. ACS Sustainable Chemistry and Engineering, 2020, 8, 11930-11939.	6.7	3
16	Linking low and high temperature NO oxidation mechanisms over Brønsted acidic chabazite to dynamic changes of the active site. Journal of Catalysis, 2020, 389, 195-206.	6.2	9
17	Hydrothermal synthesis of alkali-free chabazite zeolites. Journal of Porous Materials, 2020, 27, 1481-1489.	2.6	9
18	Direct conversion of CO ₂ into methanol over promoted indium oxide-based catalysts. Applied Catalysis A: General, 2019, 583, 117144.	4.3	69

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19	Reverse Water-Gas Shift Iron Catalyst Derived from Magnetite. <i>Catalysts</i> , 2019, 9, 773.	3.5	44
20	Electron Transfers Under Confinement in Channel-Type Zeolites. , 2019, , 249-271.		3
21	Lewis Acid Site and Hydrogen-Bond-Mediated Polarization Synergy in the Catalysis of Diels-Alder Cycloaddition by Band-Gap Transition-Metal Oxides. <i>ACS Catalysis</i> , 2019, 9, 701-715.	11.2	15
22	On the Mechanism of Ammonia SCR over Cu- and Fe-Containing Zeolite Catalysts. <i>Structure and Bonding</i> , 2018, , 155-178.	1.0	4
23	H ₂ Adsorption on Cu(I)-SSZ-13. <i>Journal of Physical Chemistry C</i> , 2018, 122, 540-548.	3.1	16
24	Non-oxidative Coupling of Methane to Ethylene Using Mo ₂ C/[B]ZSM-5. <i>ChemPhysChem</i> , 2018, 19, 504-511.	2.1	38
25	Effect of steam and CO ₂ on ethane activation over Zn-ZSM-5. <i>Catalysis Science and Technology</i> , 2018, 8, 358-366.	4.1	33
26	Bioderived Muconates by Cross-Metathesis and Their Conversion into Terephthalates. <i>ChemSusChem</i> , 2018, 11, 773-780.	6.8	18
27	Formaldehyde-isobutene Prins condensation over MFI-type zeolites. <i>Catalysis Science and Technology</i> , 2018, 8, 5794-5806.	4.1	23
28	Acylation of methylfuran with Br ₂ and Lewis acid zeolites. <i>Applied Catalysis A: General</i> , 2018, 564, 90-101.	4.3	35
29	On the Structure-Property Relationships of Cation-Exchanged ZK Zeolites for CO ₂ Adsorption. <i>ChemSusChem</i> , 2017, 10, 946-957.	6.8	36
30	Catalysis of the Diels-Alder Reaction of Furan and Methyl Acrylate in Lewis Acidic Zeolites. <i>ACS Catalysis</i> , 2017, 7, 2240-2246.	11.2	39
31	Formation of [Cu ₂ O] ²⁺ and [Cu ₂ O] ²⁺ toward C-H Bond Activation in Cu-SSZ-13 and Cu-SSZ-39. <i>ACS Catalysis</i> , 2017, 7, 4291-4303.	11.2	195
32	General Acid-Type Catalysis in the Dehydrative Aromatization of Furans to Aromatics in H-[Al]-BEA, H-[Fe]-BEA, H-[Ga]-BEA, and H-[B]-BEA Zeolites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13666-13679.	3.1	39
33	Production of <i>p</i> -Methylstyrene and <i>p</i> -Divinylbenzene from Furanic Compounds. <i>ChemSusChem</i> , 2017, 10, 91-98.	6.8	29
34	Ethane and ethylene aromatization on zinc-containing zeolites. <i>Catalysis Science and Technology</i> , 2017, 7, 3562-3572.	4.1	91
35	Zeolite-Catalyzed Formaldehyde-Propylene Prins Condensation. <i>ChemCatChem</i> , 2017, 9, 4417-4425.	3.7	19
36	Renewable <i>p</i> -Xylene from 2,5-Dimethylfuran and Ethylene Using Phosphorus-Containing Zeolite Catalysts. <i>ChemCatChem</i> , 2017, 9, 398-402.	3.7	118

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37	Zn-Promoted H-ZSM-5 for Endothermic Reforming of <i>n</i> -Hexane at High Pressures. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3930-3938.	3.7	21
38	Iron-Promotion of Silica-Supported Copper Catalysts for Furfural Hydrodeoxygenation. <i>ChemCatChem</i> , 2016, 8, 3402-3408.	3.7	36
39	Tunable Oleo-Furan Surfactants by Acylation of Renewable Furans. <i>ACS Central Science</i> , 2016, 2, 820-824.	11.3	64
40	Fe ³⁺ -Al ₂ O ₃ and Fe ^K -Al ₂ O ₃ as reverse water-gas shift catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 5267-5279.	4.1	81
41	A General Method for Aluminum Incorporation into High-Silica Zeolites Prepared in Fluoride Media. <i>Chemistry of Materials</i> , 2016, 28, 638-649.	6.7	32
42	Catalytic <i>n</i> -pentane conversion on H-ZSM-5 at high pressure. <i>New Journal of Chemistry</i> , 2016, 40, 4245-4251.	2.8	11
43	Lewis acidic zeolite Beta catalyst for the Meerwein-Ponndorf-Verley reduction of furfural. <i>Catalysis Science and Technology</i> , 2016, 6, 3018-3026.	4.1	125
44	Oxidation of zeolite acid sites in NO/O ₂ mixtures and the catalytic properties of the new site in NO oxidation. <i>Journal of Catalysis</i> , 2015, 325, 68-78.	6.2	44
45	Effect of water treatment on Sn-BEA zeolite: Origin of 960 cm ⁻¹ FTIR peak. <i>Microporous and Mesoporous Materials</i> , 2015, 210, 69-76.	4.4	66
46	Diels-Alder and Dehydration Reactions of Biomass-Derived Furan and Acrylic Acid for the Synthesis of Benzoic Acid. <i>ACS Catalysis</i> , 2015, 5, 6946-6955.	11.2	91
47	The Role of Ru and RuO ₂ in the Catalytic Transfer Hydrogenation of 5-Hydroxymethylfurfural for the Production of 2,5-Dimethylfuran. <i>ChemCatChem</i> , 2014, 6, 848-856.	3.7	136
48	Radical Cation Intermediates in Propane Dehydrogenation and Propene Hydrogenation over H-[Fe] Zeolites. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27292-27300.	3.1	26
49	Molecular Basis for the High CO ₂ Adsorption Capacity of Chabazite Zeolites. <i>ChemSusChem</i> , 2014, 7, 3031-3038.	6.8	81
50	Catalytic dehydrogenation of propane over iron-silicate zeolites. <i>Journal of Catalysis</i> , 2014, 312, 263-270.	6.2	85
51	Low temperature catalytic NO oxidation over microporous materials. <i>Journal of Catalysis</i> , 2014, 311, 412-423.	6.2	55
52	Cascade of Liquid-Phase Catalytic Transfer Hydrogenation and Etherification of 5-Hydroxymethylfurfural to Potential Biodiesel Components over Lewis Acid Zeolites. <i>ChemCatChem</i> , 2014, 6, 508-513.	3.7	104
53	Experimental and computational studies on the adsorption of CO ₂ and N ₂ on pure silica zeolites. <i>Microporous and Mesoporous Materials</i> , 2014, 185, 157-166.	4.4	83
54	Renewable production of phthalic anhydride from biomass-derived furan and maleic anhydride. <i>Green Chemistry</i> , 2014, 16, 167-175.	9.0	114

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55	Production of renewable jet fuel range alkanes and commodity chemicals from integrated catalytic processing of biomass. <i>Energy and Environmental Science</i> , 2014, 7, 1500-1523.	30.8	342
56	Challenges of and Insights into Acid-Catalyzed Transformations of Sugars. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22815-22833.	3.1	88
57	Recent advances in zeolite science based on advance characterization techniques. <i>Microporous and Mesoporous Materials</i> , 2014, 189, 97-106.	4.4	24
58	Comparison of Homogeneous and Heterogeneous Catalysts for Glucose to Fructose Isomerization in Aqueous Media. <i>ChemSusChem</i> , 2013, 6, 2369-2376.	6.8	128
59	Catalysis by Confinement: Enthalpic Stabilization of NO Oxidation Transition States by Microporous and Mesoporous Siliceous Materials. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20666-20674.	3.1	44
60	Carbon Dioxide and Nitrogen Adsorption on Cation-Exchanged SSZ-13 Zeolites. <i>Langmuir</i> , 2013, 29, 832-839.	3.5	152
61	Analysis of visible-light-active Sn(ii)-TiO ₂ photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6185.	2.8	13
62	A DFT study of the acid-catalyzed conversion of 2,5-dimethylfuran and ethylene to p-xylene. <i>Journal of Catalysis</i> , 2013, 297, 35-43.	6.2	139
63	Elucidation of Diels-Alder Reaction Network of 2,5-Dimethylfuran and Ethylene on HY Zeolite Catalyst. <i>ACS Catalysis</i> , 2013, 3, 41-46.	11.2	131
64	Probing Lewis Acid Sites in Sn-Beta Zeolite. <i>ACS Catalysis</i> , 2013, 3, 573-580.	11.2	137
65	Metalloenzyme-like catalyzed isomerizations of sugars by Lewis acid zeolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9727-9732.	7.1	354
66	NMR and SAXS Analysis of Connectivity of Aluminum and Silicon Atoms in the Clear Sol Precursor of SSZ-13 Zeolite. <i>Chemistry of Materials</i> , 2012, 24, 571-578.	6.7	51
67	Unconventional, Highly Selective CO ₂ Adsorption in Zeolite SSZ-13. <i>Journal of the American Chemical Society</i> , 2012, 134, 1970-1973.	13.7	363
68	ZK-5: A CO ₂ -Selective Zeolite with High Working Capacity at Ambient Temperature and Pressure. <i>ChemSusChem</i> , 2012, 5, 2237-2242.	6.8	88
69	Effect of Al on Zeolite Beta Solid State Chemistry. <i>Topics in Catalysis</i> , 2012, 55, 1332-1343.	2.8	8
70	Mechanisms of Quick Zeolite Beta Crystallization. <i>Chemistry of Materials</i> , 2012, 24, 3621-3632.	6.7	36
71	Cycloaddition of Biomass-Derived Furans for Catalytic Production of Renewable p-Xylene. <i>ACS Catalysis</i> , 2012, 2, 935-939.	11.2	400
72	Bimetallic effects in the hydrodeoxygenation of meta-cresol on γ -Al ₂ O ₃ supported Pt-Ni and Pt-Co catalysts. <i>Green Chemistry</i> , 2012, 14, 1388.	9.0	149

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73	Electron Transfers Induced by <i>t</i> -Stilbene Sorption in Acidic Aluminum, Gallium, and Boron Beta (BEA) Zeolites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14480-14490.	3.1	11
74	Reactions of Propylene Oxide on Supported Silver Catalysts: Insights into Pathways Limiting Epoxidation Selectivity. <i>Topics in Catalysis</i> , 2012, 55, 3-12.	2.8	21
75	The Synergy of the Support Acid Function and the Metal Function in the Catalytic Hydrodeoxygenation of <i>m</i> -Cresol. <i>Topics in Catalysis</i> , 2012, 55, 118-128.	2.8	123
76	Formation and evolution of naphthalene radical cations in thermally treated H-ZSM-5 zeolites. <i>Microporous and Mesoporous Materials</i> , 2012, 155, 82-89.	4.4	12
77	SnO ₂ –ZnGa ₂ O ₄ Photocatalysts with Enhanced Visible Light Activity. <i>ACS Catalysis</i> , 2011, 1, 923-928.	11.2	51
78	Xylose Isomerization to Xylulose and its Dehydration to Furfural in Aqueous Media. <i>ACS Catalysis</i> , 2011, 1, 1724-1728.	11.2	301
79	Photocatalytic degradation of organic molecules on mesoporous visible-light-active Sn(II)-doped titania. <i>Journal of Catalysis</i> , 2011, 281, 156-168.	6.2	82
80	High-Temperature Produced Catalytic Sites Selective for <i>n</i> -Alkane Dehydrogenation in Acid Zeolites: The Case of HZSM-5. <i>ChemCatChem</i> , 2011, 3, 1333-1341.	3.7	21
81	Synthesis, characterization and photocatalytic properties of novel zinc germanate nano-materials. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1054-1062.	2.9	52
82	Zeolite beta mechanisms of nucleation and growth. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 104-115.	4.4	51
83	Grand canonical Monte Carlo simulation of adsorption of nitrogen and oxygen in realistic nanoporous carbon models. <i>AIChE Journal</i> , 2011, 57, 1496-1505.	3.6	6
84	Structure Analysis and Photocatalytic Properties of Spinel Zinc Gallium Oxonitrides. <i>Chemistry - A European Journal</i> , 2011, 17, 12417-12428.	3.3	13
85	The ammonia selective catalytic reduction activity of copper-exchanged small-pore zeolites. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 441-448.	20.2	569
86	Externally directed assembly of disk-shaped zeolite particles by an electric field. <i>Journal of Materials Research</i> , 2011, 26, 215-222.	2.6	2
87	Structure and Colloidal Stability of Nanosized Zeolite Beta Precursors. <i>Langmuir</i> , 2010, 26, 1260-1270.	3.5	47
88	A Spinel Oxynitride with Visible-Light Photocatalytic Activity. <i>ChemSusChem</i> , 2010, 3, 814-817.	6.8	29
89	Synthetic Glycolysis. <i>ChemSusChem</i> , 2010, 3, 1237-1240.	6.8	16
90	High-temperature dehydrogenation of defective silicalites. <i>Microporous and Mesoporous Materials</i> , 2010, 129, 156-163.	4.4	26

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91	A fractal description of pore structure in block-copolymer templated mesoporous silicates. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 204-209.	4.4	23
92	Indirect Fourier Transform and Model Fitting of Small Angle Neutron Scattering from Silica Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2010, 27, 89-99.	2.3	4
93	High-Temperature Decomposition of Brønsted Acid Sites in Gallium-Substituted Zeolites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19395-19405.	3.1	17
94	Analysis of Ga coordination environment in novel spinel zinc gallium oxy-nitride photocatalysts. <i>Journal of Materials Chemistry</i> , 2010, 20, 9787.	6.7	27
95	Copper Coordination in Cu-SSZ-13 and Cu-SSZ-16 Investigated by Variable-Temperature XRD. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1633-1640.	3.1	342
96	Intermolecular Forces in Zeolite Adsorption and Catalysis. , 2009, , 239-261.		0
97	Effects of Zeolite Structures, Exchanged Cations, and Bimetallic Formulations on the Selective Hydrogenation of Acetylene Over Zeolite-Supported Catalysts. <i>Catalysis Letters</i> , 2009, 130, 380-385.	2.6	9
98	Photocatalytic oxidation of ethylene by ammonium exchanged ETS-10 and AM-6. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 232-239.	20.2	13
99	Identification of Mixed Valence Vanadium in ETS-10 Using Electron Paramagnetic Resonance, ⁵¹ V Solid-State Nuclear Magnetic Resonance, and Density Functional Theory Studies. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10477-10484.	3.1	20
100	Chemical diversity of zeolite catalytic sites. <i>AIChE Journal</i> , 2008, 54, 1402-1409.	3.6	15
101	High-Temperature Dehydrogenation of Brønsted Acid Sites in Zeolites. <i>Journal of the American Chemical Society</i> , 2008, 130, 2460-2462.	13.7	64
102	Thermodynamics of Silica Nanoparticle Self-Assembly in Basic Solutions of Monovalent Cations. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14754-14761.	3.1	26
103	Nanoparticle Precursors and Phase Selectivity in Hydrothermal Synthesis of Zeolite \hat{I}^2 . <i>Chemistry of Materials</i> , 2008, 20, 5807-5815.	6.7	68
104	A visible light photocatalyst: effects of vanadium substitution on ETS-10. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5096.	2.8	22
105	Initial Stages of Self-Organization of Silica-Alumina Gels in Zeolite Synthesis. <i>Langmuir</i> , 2007, 23, 4532-4540.	3.5	28
106	Kinetic and Thermodynamic Studies of Silica Nanoparticle Dissolution. <i>Chemistry of Materials</i> , 2007, 19, 4189-4197.	6.7	104
107	Effects of Vanadium Substitution on the Structure and Photocatalytic Behavior of ETS-10. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1776-1782.	3.1	24
108	Self-Assembly and Phase Behavior of Germanium Oxide Nanoparticles in Basic Aqueous Solutions. <i>Langmuir</i> , 2007, 23, 2784-2791.	3.5	30

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109	Photocatalytic Activity of Vanadium-Substituted ETS-10. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7029-7037.	3.1	42
110	Investigation of the Structure of Platinum Clusters Supported in Zeolite Beta Using the Pair Distribution Function. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8573-8579.	3.1	22
111	Electronic and Geometric Properties of ETS-10: QM/MM Studies of Cluster Models. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8959-8964.	2.6	25
112	The promise of emptiness. <i>Nature</i> , 2006, 443, 757-758.	27.8	20
113	Understanding the differences between microporous and mesoporous synthesis through the phase behavior of silica. <i>Microporous and Mesoporous Materials</i> , 2006, 90, 102-111.	4.4	26
114	The local and surface structure of ordered mesoporous carbons from nitrogen sorption, NEXAFS and synchrotron radiation studies. <i>Microporous and Mesoporous Materials</i> , 2006, 92, 81-93.	4.4	16
115	Silica Self-Assembly and Synthesis of Microporous and Mesoporous Silicates. <i>Chemistry - A European Journal</i> , 2006, 12, 2926-2934.	3.3	79
116	A pair distribution function analysis of zeolite beta. <i>Microporous and Mesoporous Materials</i> , 2005, 77, 55-66.	4.4	46
117	Variable anchoring of boron in zeolite beta. <i>Microporous and Mesoporous Materials</i> , 2005, 79, 215-224.	4.4	56
118	Porous amorphous carbon models from periodic Gaussian chains of amorphous polymers. <i>Carbon</i> , 2005, 43, 3099-3111.	10.3	57
119	Evolution of Self-Assembled Silica Tetrapropylammonium Nanoparticles at Elevated Temperatures. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12762-12771.	2.6	86
120	Investigation of the Negative Thermal Expansion Mechanism of Zeolite Chabazite Using the Pair Distribution Function Method. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9389-9396.	2.6	37
121	Formation and Structure of Self-Assembled Silica Nanoparticles in Basic Solutions of Organic and Inorganic Cations. <i>Langmuir</i> , 2005, 21, 5197-5206.	3.5	104
122	Physical Basis for the Formation and Stability of Silica Nanoparticles in Basic Solutions of Monovalent Cations. <i>Langmuir</i> , 2005, 21, 8960-8971.	3.5	120
123	Pair Distribution Function as a Probe for Zeolite Structures. <i>Materials Research Society Symposia Proceedings</i> , 2004, 840, Q1.4.1.	0.1	0
124	Structural comparison of two EUO-type zeolites investigated by neutron diffraction. <i>Microporous and Mesoporous Materials</i> , 2004, 71, 125-133.	4.4	9
125	A simple model describes the PDF of a non-graphitizing carbon. <i>Carbon</i> , 2004, 42, 2041-2048.	10.3	63
126	K ²⁺ -Detected XANES of Framework-Substituted FeZSM-5 Zeolites. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10002-10011.	2.6	77

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127	Spontaneous Formation of Silica Nanoparticles in Basic Solutions of Small Tetraalkylammonium Cations. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12271-12275.	2.6	136
128	Zeolite MCM-22 Supported Heterogeneous Chromium Catalyst for Ethylene Polymerization. <i>Catalysis Letters</i> , 2003, 88, 227-229.	2.6	10
129	The mechanical properties of siliceous ZSM-5 (MFI) crystals. <i>Microporous and Mesoporous Materials</i> , 2003, 57, 1-7.	4.4	24
130	Structure of the Silica Phase Extracted from Silica/(TPA)OH Solutions Containing Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10006-10016.	2.6	164
131	Introduction to the Structural Chemistry of Zeolites. , 2003, , .		5
132	New Description of the Disorder in Zeolite ZSM-48. <i>Journal of the American Chemical Society</i> , 2002, 124, 13222-13230.	13.7	65
133	Paramagnetic Effect of Oxygen in the ²³ Na MAS NMR and ²³ Na MQMAS NMR Spectroscopy of Zeolite LiNaX. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5883-5886.	2.6	11
134	Influence of Polymer Motion, Topology and Simulation Size on Penetrant Diffusion in Amorphous, Glassy Polymers: A Diffusion of Helium in Polypropylene. <i>Macromolecules</i> , 2001, 34, 6107-6116.	4.8	35
135	Characterization and catalytic properties of MCM-56 and MCM-22 zeolites. <i>Microporous and Mesoporous Materials</i> , 2000, 40, 9-23.	4.4	136
136	Accessibility of lithium cations in high-silica zeolites investigated using the NMR paramagnetic shift effect of adsorbed oxygen. <i>Microporous and Mesoporous Materials</i> , 2000, 40, 25-34.	4.4	26
137	MCM-47: A Highly Crystalline Silicate Composed of Hydrogen-Bonded Ferrierite Layers. <i>Chemistry of Materials</i> , 2000, 12, 2936-2942.	6.7	98
138	Cation-induced transformation of boron-coordination in zeolites. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3091-3098.	2.8	92
139	Multiple-Quantum ¹ H MAS NMR Studies of Defect Sites in As-Made All-Silica ZSM-12 Zeolite. <i>Journal of the American Chemical Society</i> , 2000, 122, 6659-6663.	13.7	103
140	Synthesis, structure solution, and characterization of the aluminosilicate MCM-61: the first aluminosilicate clathrate with 18-membered rings. <i>Microporous and Mesoporous Materials</i> , 1999, 31, 61-73.	4.4	30
141	The role of barium cations in the synthesis of low-silica LTL zeolites. <i>Microporous and Mesoporous Materials</i> , 1999, 33, 97-113.	4.4	23
142	Mobility of Li cations in X zeolites studied by solid-state NMR spectroscopy. <i>Solid State Ionics</i> , 1999, 118, 135-139.	2.7	28
143	Framework modification of microporous silicates via gas-phase treatment with ZrCl ₄ . <i>Catalysis Letters</i> , 1999, 62, 99-106.	2.6	27
144	Title is missing!. <i>Topics in Catalysis</i> , 1999, 9, 1-11.	2.8	34

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145	Guest-Host Interactions in As-Made Al-ZSM-12: Implications for the Synthesis of Zeolite Catalysts. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10858-10865.	2.6	51
146	^2H CPMAS NMR of Guest-Host Species in Zeolites: An Experimental Study. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5920-5927.	2.6	7
147	Solid-State Deuterium NMR Studies of Organic Molecules in the Tectosilicate Nonasil. <i>Journal of Physical Chemistry B</i> , 1998, 102, 2339-2349.	2.6	19
148	Spatial Ordering of Organic and Inorganic Charge Centers in As-Made High-Silica Zeolites Determined by Multidimensional $\{^1\text{H}\} \rightarrow ^2\text{H}$ CPMAS NMR Correlation Spectroscopy. <i>Chemistry of Materials</i> , 1998, 10, 4015-4024.	6.7	27
149	Spatial Correlation of Charge Centers in the Tectosilicate Nonasil Determined by Multidimensional $\{^1\text{H}\} \rightarrow ^2\text{H}$ CPMAS NMR Correlation Spectroscopy. <i>Journal of the American Chemical Society</i> , 1998, 120, 2482-2483.	13.7	12
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