

Fernando Rey

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.

191
papers

11,668
citations

60
h-index

104
g-index

208
ext. papers

12,628
ext. citations

8.1
avg, IF

6.07
L-index

#	Paper	IF	Citations
191	Zeolite-driven Ag species during redox treatments and catalytic implications for SCO of NH ₃ . <i>Journal of Materials Chemistry A</i> , 2021 , 9, 27448-27458	13	1
190	Versatile phosphorus-structure-directing agent for direct preparation of novel metallosilicate zeolites with IFW-topology. <i>Microporous and Mesoporous Materials</i> , 2021 , 317, 111005	5.3	2
189	ITQ-69: A Germanium-Containing Zeolite and its Synthesis, Structure Determination, and Adsorption Properties. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11745-11750	16.4	1
188	ITQ-69: A Germanium-Containing Zeolite and its Synthesis, Structure Determination, and Adsorption Properties. <i>Angewandte Chemie</i> , 2021 , 133, 11851-11856	3.6	0
187	AgAu nanoclusters supported on zeolites: Structural dynamics during CO oxidation. <i>Catalysis Today</i> , 2021 , 384-386, 166-166	5.3	2
186	Capturing renewable isobutanol from model vapor mixtures using an all-silica beta zeolite. <i>Chemical Engineering Journal</i> , 2021 , 412, 128658	14.7	3
185	Multiscale exploration of hydrocarbon adsorption and hopping through ZSM-5 channels - from Monte Carlo modelling to experiment. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 2981-2990	3.6	1
184	The Influence of the Support Nature and the Metal Precursor in the Activity of Pd-based Catalysts for the Bromate Reduction Reaction. <i>ChemCatChem</i> , 2021 , 13, 1230-1238	5.2	3
183	A Multi-Nuclear MAS-NMR Study on the Structural Properties of Silicalite-1 Zeolite Synthesized Using N- and P-Based Organic Structure Directing Agents. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6850	2.6	
182	AgY zeolite as catalyst for the selective catalytic oxidation of NH ₃ . <i>Microporous and Mesoporous Materials</i> , 2021 , 323, 111230	5.3	3
181	Unusually Low Heat of Adsorption of CO on AlPO and SAPO Molecular Sieves. <i>Frontiers in Chemistry</i> , 2020 , 8, 588712	5	4
180	Nature and evolution of Pd catalysts supported on activated carbon fibers during the catalytic reduction of bromate in water. <i>Catalysis Science and Technology</i> , 2020 , 10, 3646-3653	5.5	4
179	Identification of New Templates for the Synthesis of BEA, BEC, and ISV Zeolites Using Molecular Topology and Monte Carlo Techniques. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 2819-2829	6.1	2
178	Silver exchanged zeolites as bactericidal additives in polymeric materials. <i>Microporous and Mesoporous Materials</i> , 2020 , 305, 110367	5.3	7
177	Evidence of Hydronium Formation in Water@Thabazite Zeolite Using Inelastic Neutron Scattering Experiments and ab Initio Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5436-5443	3.8	5
176	Ligand-Functionalization-Controlled Activity of Metal-Organic Framework-Encapsulated Pt Nanocatalyst toward Activation of Water. <i>Nano Letters</i> , 2020 , 20, 426-432	11.5	17
175	Evaluation of the silver species nature in Ag-ITQ2 zeolites by the CO oxidation reaction. <i>Catalysis Today</i> , 2020 , 345, 22-26	5.3	6

174	Insights into Adsorption of Linear, Monobranched, and Dibranched Alkanes on Pure Silica STW Zeolite as a Promising Material for Their Separation. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 26821-26829	3.8	5
173	Sustainable Production of Hydrogen by Steam Reforming of Ethanol Using Cobalt Supported on Nanoporous Zeolitic Material. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
172	Cobalt Metal-Organic Framework Based on Layered Double Nanosheets for Enhanced Electrocatalytic Water Oxidation in Neutral Media. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19198-19208	16.4	22
171	Highly active hybrid mesoporous silica-supported base organocatalysts for CC bond formation. <i>Catalysis Today</i> , 2020 , 345, 227-236	5.3	10
170	Inelastic Neutron Scattering Study of Brønsted Acidity and Water Confinement in Zeolites. <i>Proceedings (mdpi)</i> , 2019 , 26, 47	0.3	
169	SPEEK-based proton exchange membranes modified with MOF-encapsulated ionic liquid. <i>Materials Chemistry and Physics</i> , 2019 , 236, 121792	4.4	26
168	Zeolites and Other Adsorbents. <i>Green Energy and Technology</i> , 2019 , 173-208	0.6	9
167	Solvent-Free Synthesis of ZIFs: A Route toward the Elusive Fe(II) Analogue of ZIF-8. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7173-7180	16.4	46
166	Host-Guest and Guest-Guest Interactions of P- and N-Containing Structure Directing Agents Entrapped inside MFI-Type Zeolite by Multinuclear NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22324-22334	3.8	7
165	The First Study on the Reactivity of Water Vapor in Metal-Organic Frameworks with Platinum Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11731-11736	16.4	14
164	Use of Alkylarsonium Directing Agents for the Synthesis and Study of Zeolites. <i>Chemistry - A European Journal</i> , 2019 , 25, 16390-16396	4.8	5
163	Adsorption of Alkanes in Zeolites LTA and FAU: Quasi-Equilibrated Thermodesorption Supported by Molecular Simulations. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29665-29678	3.8	6
162	Acid properties of organosiliceous hybrid materials based on pendant (fluoro)aryl-sulfonic groups through a spectroscopic study with probe molecules. <i>Catalysis Science and Technology</i> , 2019 , 9, 6308-6317	5.5	1
161	Cobalt Metal-Organic Framework Based on Two Dinuclear Secondary Building Units for Electrocatalytic Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46658-46665	9.5	26
160	Computational screening of structure directing agents for the synthesis of zeolites. A simplified model. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019 , 234, 451-460	1	9
159	An in situ XAS study of the activation of precursor-dependent Pd nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 12700-12709	3.6	15
158	Synthesis and structure determination via ultra-fast electron diffraction of the new microporous zeolitic germanosilicate ITQ-62. <i>Chemical Communications</i> , 2018 , 54, 2122-2125	5.8	16
157	A highly stable and hierarchical tetrathiafulvalene-based metal-organic framework with improved performance as a solid catalyst. <i>Chemical Science</i> , 2018 , 9, 2413-2418	9.4	37

156	Inelastic Neutron Scattering Study of the Aluminum and Brønsted Site Location in Aluminosilicate LTA Zeolites. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11450-11454	3.8	7
155	Influence of post-synthetic modifications on the composition, acidity and textural properties of ZSM-22 zeolite. <i>Catalysis Today</i> , 2018 , 299, 120-134	5.3	13
154	An Ultrahigh CO-Loaded Silicalite-1 Zeolite: Structural Stability and Physical Properties at High Pressures and Temperatures. <i>Inorganic Chemistry</i> , 2018 , 57, 6447-6455	5.1	13
153	Functional Ag-Exchanged Zeolites as Biocide Agents. <i>ChemistrySelect</i> , 2018 , 3, 4676-4682	1.8	6
152	Elucidation of the Interaction Mechanism between Organic Chiral Cages with Biomolecules through Nuclear Magnetic Resonance and Theoretical Studies. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 16821-16829	3.8	1
151	Bottom-up synthesis: Wired metal-organic chalcogenides. <i>Nature Materials</i> , 2017 , 16, 287-288	27	2
150	Gas confinement in compartmentalized coordination polymers for highly selective sorption. <i>Chemical Science</i> , 2017 , 8, 3109-3120	9.4	11
149	Structural Evolution of CO ₂ -Filled Pure Silica LTA Zeolite under High-Pressure High-Temperature Conditions. <i>Chemistry of Materials</i> , 2017 , 29, 4502-4510	9.6	16
148	Intensified Biobutanol Recovery by using Zeolites with Complementary Selectivity. <i>ChemSusChem</i> , 2017 , 10, 2968-2977	8.3	23
147	Optimised synthesis and characterisation of 1-adamantyltrimethylphosphonium iodide. <i>Polyhedron</i> , 2017 , 133, 302-306	2.7	
146	Ag-zeolites as fungicidal material: Control of citrus green mold caused by <i>Penicillium digitatum</i> . <i>Microporous and Mesoporous Materials</i> , 2017 , 254, 69-76	5.3	19
145	Control of zeolite framework flexibility and pore topology for separation of ethane and ethylene. <i>Science</i> , 2017 , 358, 1068-1071	33.3	195
144	Beyond Nitrogen OSDAs. <i>Structure and Bonding</i> , 2017 , 103-138	0.9	1
143	Study of disorders in zeolite ITQ-39 using structure projection reconstruction from through-focus series of HRTEM images 2016 , 283-284		
142	An INS study of entrapped organic cations within the micropores of zeolite RTH. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 17244-52	3.6	4
141	Arsenolite: a quasi-hydrostatic solid pressure-transmitting medium. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 475403	1.8	3
140	Inelastic Neutron Scattering Study on the Location of Brønsted Acid Sites in High Silica LTA Zeolite. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24904-24909	3.8	16
139	ITQ-39 zeolite, an efficient catalyst for the conversion of low value naphtha fractions into diesel fuel: The role of pore size on molecular diffusion and reactivity. <i>Journal of Catalysis</i> , 2016 , 333, 127-138	7.3	7

138	Isostructural compartmentalized spin-crossover coordination polymers for gas confinement. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 808-813	6.8	8
137	Paving the way for methane hydrate formation on metal-organic frameworks (MOFs). <i>Chemical Science</i> , 2016 , 7, 3658-3666	9.4	66
136	High-Performance of Gas Hydrates in Confined Nanospace for Reversible CH ₄ /CO ₂ Storage. <i>Chemistry - A European Journal</i> , 2016 , 22, 10028-35	4.8	15
135	Critical Role of Dynamic Flexibility in Ge-Containing Zeolites: Impact on Diffusion. <i>Chemistry - A European Journal</i> , 2016 , 22, 10036-43	4.8	19
134	Correspondence: Strongly-driven Re+CO redox reaction at high-pressure and high-temperature. <i>Nature Communications</i> , 2016 , 7, 13647	17.4	19
133	Hydrothermal stability and catalytic performance of desilicated highly siliceous zeolites ZSM-5. <i>Journal of Catalysis</i> , 2016 , 339, 256-269	7.3	53
132	Ultrafast Electron Diffraction Tomography for Structure Determination of the New Zeolite ITQ-58. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10116-9	16.4	59
131	Methane hydrate formation in confined nanospace can surpass nature. <i>Nature Communications</i> , 2015 , 6, 6432	17.4	133
130	The first zeolite with a tri-directional extra-large 14-ring pore system derived using a phosphonium-based organic molecule. <i>Chemical Communications</i> , 2015 , 51, 7602-5	5.8	32
129	Spectroscopic, calorimetric, and catalytic evidences of hydrophobicity on Ti-MCM-41 silylated materials for olefin epoxidations. <i>Applied Catalysis A: General</i> , 2015 , 507, 14-25	5.1	24
128	Catalytic cracking performance of alkaline-treated zeolite Beta in the terms of acid sites properties and their accessibility. <i>Journal of Catalysis</i> , 2014 , 312, 46-57	7.3	120
127	Hierarchical Mordenite Dedicated to the Fluid Catalytic Cracking Process: Catalytic Performance Regarding Textural and Acidic Properties. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28043-28054	3.8	29
126	Tuning the Adsorption Properties of Zeolites as Adsorbents for CO ₂ Separation: Best Compromise between the Working Capacity and Selectivity. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 9860-9874	3.9	36
125	Thermodynamic analysis of framework deformation in Na,Cs-RHO zeolite upon CO ₂ adsorption. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24391-400	3.6	15
124	Cation Gating and Relocation during the Highly Selective π Trapdoor Adsorption of CO ₂ on Univalent Cation Forms of Zeolite Rho. <i>Chemistry of Materials</i> , 2014 , 26, 2052-2061	9.6	68
123	A new microporous zeolitic silicoborate (ITQ-52) with interconnected small and medium pores. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3342-5	16.4	49
122	Towards the rational design of efficient organic structure-directing agents for zeolite synthesis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13880-9	16.4	225
121	Spin-crossover modification through selective CO ₂ sorption. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15986-9	16.4	108

120	Mesopore-modified mordenites as catalysts for catalytic pyrolysis of biomass and cracking of vacuum gasoil processes. <i>Green Chemistry</i> , 2013 , 15, 1647	10	51
119	Desilication of highly siliceous zeolite ZSM-5 with NaOH and NaOH/tetrabutylamine hydroxide. <i>Microporous and Mesoporous Materials</i> , 2013 , 168, 195-205	5.3	103
118	Synthesis of a novel zeolite through a pressure-induced reconstructive phase transition process. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10458-62	16.4	36
117	Rationales Design von effizienten organischen strukturdirektierenden Reagentien für die Zeolithsynthese. <i>Angewandte Chemie</i> , 2013 , 125, 14124-14134	3.6	47
116	Synthesis of a Novel Zeolite through a Pressure-Induced Reconstructive Phase Transition Process. <i>Angewandte Chemie</i> , 2013 , 125, 10652-10656	3.6	13
115	One body, many heads; the Cerberus of catalysis. A new multipurpose in-situ cell for XAS at ALBA. <i>Journal of Physics: Conference Series</i> , 2013 , 430, 012057	0.3	3
114	A new metal exchanged zeolite for a present environmental problem. An in-situ XAS study. <i>Journal of Physics: Conference Series</i> , 2013 , 430, 012055	0.3	
113	TNU-9, a new zeolite for the selective catalytic reduction of NO: An in situ X-ray absorption spectroscopy study. <i>Journal of Catalysis</i> , 2012 , 295, 22-30	7.3	12
112	The effect of extra framework species on the intrinsic negative thermal expansion property of zeolites with the LTA topology. <i>Chemical Communications</i> , 2012 , 48, 5829-31	5.8	22
111	Synthesis design and structure of a multipore zeolite with interconnected 12- and 10-MR channels. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6473-8	16.4	64
110	High proton conductivity in a flexible, cross-linked, ultramicroporous magnesium tetrakisphosphate hybrid framework. <i>Inorganic Chemistry</i> , 2012 , 51, 7689-98	5.1	110
109	Multifunctional Luminescent and Proton-Conducting Lanthanide Carboxyphosphate Open-Framework Hybrids Exhibiting Crystalline-to-Amorphous-to-Crystalline Transformations. <i>Chemistry of Materials</i> , 2012 , 24, 3780-3792	9.6	149
108	Zeolite Rho: a highly selective adsorbent for CO ₂ /CH ₄ separation induced by a structural phase modification. <i>Chemical Communications</i> , 2012 , 48, 215-7	5.8	118
107	Structure and catalytic properties of the most complex intergrown zeolite ITQ-39 determined by electron crystallography. <i>Nature Chemistry</i> , 2012 , 4, 188-94	17.6	151
106	Synthesis and structure determination of a new microporous zeolite with large cavities connected by small pores. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13232-5	16.4	47
105	Bioethanol steam reforming on Ni-based modified mordenite. Effect of mesoporosity, acid sites and alkaline metals. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 7101-7108	6.7	24
104	A new aluminosilicate molecular sieve with a system of pores between those of ZSM-5 and beta zeolite. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9497-505	16.4	75
103	New insights on CO ₂ -methane separation using LTA zeolites with different Si/Al ratios and a first comparison with MOFs. <i>Langmuir</i> , 2010 , 26, 1910-7	4	201

102	Analysis of the ITQ-12 Zeolite Performance in Propane/Propylene Separations Using a Combination of Experiments and Molecular Simulations. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14907-14914	3.8	42
101	Modular organic structure-directing agents for the synthesis of zeolites. <i>Science</i> , 2010 , 330, 1219-22	33.3	110
100	Direct synthesis of a photoactive inorganic-organic mesostructured hybrid material and its application as a photocatalyst. <i>ChemPhysChem</i> , 2009 , 10, 1084-9	3.2	3
99	A Miniaturized Linear pH Sensor Based on a Highly Photoluminescent Self-Assembled Europium(III) Metal-Organic Framework. <i>Angewandte Chemie</i> , 2009 , 121, 6598-6601	3.6	35
98	A miniaturized linear pH sensor based on a highly photoluminescent self-assembled europium(III) metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6476-9	16.4	293
97	High-Resolution Transmission Electron Microscopy (HRTEM) and X-ray Diffraction (XRD) Study of the Intergrowth in Zeolites ITQ-13/ITQ-34. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9305-9308	3.8	7
96	A zeolitic structure (ITQ-34) with connected 9- and 10-ring channels obtained with phosphonium cations as structure directing agents. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16482-3	16.4	99
95	Zeolite ITQ-21 as catalyst for the alkylation of benzene with propylene. <i>Studies in Surface Science and Catalysis</i> , 2008 , 1087-1090	1.8	5
94	A New United Atom Force Field for Adsorption of Alkenes in Zeolites. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 2492-2498	3.8	55
93	Crystal Structure of ITQ-26, a 3D Framework with Extra-Large Pores. <i>Chemistry of Materials</i> , 2008 , 20, 5325-5331	9.6	75
92	Characterization of LTA- and CHA- type zeolites by means of solid state NMR. <i>Studies in Surface Science and Catalysis</i> , 2008 , 174, 989-992	1.8	
91	Charge matching between the occluded organic cations and zeolite framework as structure directing effect in zeolite synthesis. <i>Studies in Surface Science and Catalysis</i> , 2008 , 174, 249-252	1.8	7
90	Metal-organic nanoporous structures with anisotropic photoluminescence and magnetic properties and their use as sensors. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1080-3	16.4	367
89	Metal-Organic Nanoporous Structures with Anisotropic Photoluminescence and Magnetic Properties and Their Use as Sensors. <i>Angewandte Chemie</i> , 2008 , 120, 1096-1099	3.6	69
88	A new photochemical based route for the preparation of organic structure directing agents useful for zeolite synthesis. <i>Studies in Surface Science and Catalysis</i> , 2007 , 170, 330-337	1.8	2
87	Pure silica ITQ-32 zeolite allows separation of linear olefins from paraffins. <i>Chemical Communications</i> , 2007 , 1233-5	5.8	76
86	Synthesis and characterization of the all-silica pure polymorph C and an enriched polymorph B intergrowth of zeolite beta. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 8013-5	16.4	81
85	Synthesis and Characterization of the All-Silica Pure Polymorph C and an Enriched Polymorph B Intergrowth of Zeolite Beta. <i>Angewandte Chemie</i> , 2006 , 118, 8181-8183	3.6	17

84	P-derived organic cations as structure-directing agents: synthesis of a high-silica zeolite (ITQ-27) with a two-dimensional 12-ring channel system. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8862-7	16.4	89
83	The Spanish presence in the molecular sieve technology scenario. <i>International Journal of Nanotechnology</i> , 2005 , 2, 144	1.5	0
82	Synthesis and structure of the bidimensional zeolite ITQ-32 with small and large pores. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11560-1	16.4	63
81	A fluoride-catalyzed sol-gel route to catalytically active non-ordered mesoporous silica materials in the absence of surfactants. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1742		36
80	A new synthesis method for the preparation of ITQ-7 zeolites and the characterisation of the resulting materials. <i>Comptes Rendus Chimie</i> , 2005 , 8, 369-378	2.7	18
79	An study of cyclohexylpyrrolidine-derived quaternary organic cations as structure directing agents for synthesis of zeolites. <i>Studies in Surface Science and Catalysis</i> , 2004 , 154, 265-274	1.8	0
78	The investigation of beta polymorphs by ¹⁹ F nuclear magnetic resonance. <i>Studies in Surface Science and Catalysis</i> , 2004 , 154, 1289-1294	1.8	7
77	Supramolecular self-assembled molecules as organic directing agent for synthesis of zeolites. <i>Nature</i> , 2004 , 431, 287-90	50.4	453
76	Using the memory effect of hydrotalcites for improving the catalytic reduction of nitrates in water. <i>Journal of Catalysis</i> , 2004 , 221, 62-66	7.3	110
75	Catalytic reduction of nitrates in natural water: is this a realistic objective?. <i>Journal of Catalysis</i> , 2004 , 227, 561-562	7.3	15
74	Unequivocal evidence of the presence of titanols in Ti-MCM-48 mesoporous materials. A combined diffuse reflectance UV-Vis-Nir and ²⁹ Si-MAS-NMR study. <i>Research on Chemical Intermediates</i> , 2004 , 30, 871-877	2.8	9
73	Enthalpies of formation of Ge-zeolites: ITQ-21 and ITQ-22. <i>Microporous and Mesoporous Materials</i> , 2004 , 74, 87-92	5.3	16
72	ITQ-15: the first ultralarge pore zeolite with a bi-directional pore system formed by intersecting 14- and 12-ring channels, and its catalytic implications. <i>Chemical Communications</i> , 2004 , 1356-7	5.8	191
71	Synthesis, characterization, and framework heteroatom localization in ITQ-21. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13414-23	16.4	54
70	A new synthesis route of the tridirectional 12 ring channel zeolite ITQ-7. <i>Studies in Surface Science and Catalysis</i> , 2004 , 481-488	1.8	4
69	On the shape selective acylation of 2-methoxynaphthalene over polymorphs of Beta (ITQ-17). <i>Journal of Catalysis</i> , 2003 , 217, 406-416	7.3	43
68	A zeolite structure (ITQ-13) with three sets of medium-pore crossing channels formed by 9- and 10-rings. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1156-9	16.4	121
67	Thermochemistry of (GeSi ₁₄)O ₂ zeolites. <i>Microporous and Mesoporous Materials</i> , 2003 , 59, 177-183	5.3	23

66	Thermochemistry of (Ge _x Si _{1-x})O ₂ zeolites. <i>Microporous and Mesoporous Materials</i> , 2003 , 64, 127-133	5.3	18
65	A zeolite with interconnected 8-, 10- and 12-ring pores and its unique catalytic selectivity. <i>Nature Materials</i> , 2003 , 2, 493-7	27	226
64	Distribution of Fluorine and Germanium in a New Zeolite Structure ITQ-13 Studied by ¹⁹ F Nuclear Magnetic Resonance. <i>Chemistry of Materials</i> , 2003 , 15, 3961-3963	9.6	61
63	Synthesis of a new zeolite structure ITQ-24, with intersecting 10- and 12-membered ring pores. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7820-1	16.4	167
62	Computational and Experimental Approach to the Role of Structure-Directing Agents in the Synthesis of Zeolites: The Case of Cyclohexyl Alkyl Pyrrolidinium Salts in the Synthesis of βEU-1, ZSM-11, and ZSM-12 Zeolites. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 5432-5440	3.4	72
61	Synthesis of ITQ-21 in OH ⁻ media. <i>Chemical Communications</i> , 2003 , 1050-1	5.8	23
60	Preferential Location of Ge Atoms in Polymorph C of Beta Zeolite (ITQ-17) and Their Structure-Directing Effect: A Computational, XRD, and NMR Spectroscopic Study. <i>Angewandte Chemie</i> , 2002 , 114, 4916-4920	3.6	17
59	Preferential location of Ge atoms in polymorph C of beta zeolite (ITQ-17) and their structure-directing effect: a computational, XRD, and NMR spectroscopic study. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4722-6	16.4	123
58	A large-cavity zeolite with wide pore windows and potential as an oil refining catalyst. <i>Nature</i> , 2002 , 418, 514-7	50.4	464
57	Preferential Location of Ge in the Double Four-Membered Ring Units of ITQ-7 Zeolite. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 2634-2642	3.4	194
56	H-Beta zeolite for acylation processes: optimization of the catalyst properties and reaction conditions. <i>Studies in Surface Science and Catalysis</i> , 2002 , 142, 651-658	1.8	5
55	Pyrene covalently anchored on a large external surface area zeolite as a selective heterogeneous sensor for iodide. <i>Chemical Communications</i> , 2002 , 1100-1	5.8	58
54	Photochemical modification of the surface area and tortuosity of a trans-1,2-bis(4-pyridyl)ethylene periodic mesoporous MCM organosilica. <i>Chemical Communications</i> , 2002 , 2012-3	5.8	50
53	Determination of Phase Composition of MCM-48/Lamellar Phase Mixtures Using Nitrogen Adsorption and Thermogravimetry. <i>Chemistry of Materials</i> , 2002 , 14, 4434-4442	9.6	25
52	Surface Properties of Mesoporous Ti-MCM-48 and their Modifications Produced by Silylation.. <i>Studies in Surface Science and Catalysis</i> , 2001 , 209-220	1.8	3
51	Thermal analysis of large pore microporous zincophosphates. <i>Thermochimica Acta</i> , 2001 , 376, 155-162	2.9	7
50	Synthesis of cubic mesoporous MCM-48 materials from the system SiO ₂ :CTAOH/Br:H ₂ O. <i>Microporous and Mesoporous Materials</i> , 2001 , 44-45, 9-16	5.3	39
49	Elucidating the local environment of Ti(IV) active sites in Ti-MCM-48: a comparison between silylated and calcined catalysts. <i>Microporous and Mesoporous Materials</i> , 2001 , 44-45, 345-356	5.3	78

48	V-containing MCM-41 and MCM-48 catalysts for the selective oxidation of propane in gas phase. <i>Applied Catalysis A: General</i> , 2001 , 209, 155-164	5.1	97
47	Pure Polymorph C of Zeolite Beta Synthesized by Using Framework Isomorphous Substitution as a Structure-Directing Mechanism. <i>Angewandte Chemie</i> , 2001 , 113, 2337-2340	3.6	56
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