

# Joaquin Perez-Pariente

## 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.

126 papers	4,331 citations	33 h-index	62 g-index
134 ext. papers	4,614 ext. citations	5.6 avg, IF	5.25 L-index

#	Paper	IF	Citations
126	Biosynthesis of Gold Clusters and Nanoparticles by Using Extracts of Mexican Plants and Evaluation of Their Catalytic Activity in Oxidation Reactions. <i>Catalysis Letters</i> , <b>2021</b> , 151, 1604-1611	2.8	1
125	Short-channel mesoporous SBA-15 silica modified by aluminum grafting as a support for CoRu Fischer-Tropsch synthesis catalysts. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 4245-4258	5.5	3
124	Accordion-like effect of flexible organic structure-directing agents in the synthesis of ferrierite zeolite. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 300, 110149	5.3	4
123	Synthesis of large-pore zeolites from chiral structure-directing agents with two l-prolinol units. <i>Dalton Transactions</i> , <b>2020</b> , 49, 9618-9631	4.3	1
122	A new synthetic smectite-like vanadosilicate containing V <sup>3+</sup> in the framework. <i>Applied Clay Science</i> , <b>2020</b> , 186, 105452	5.2	1
121	Influence of amines in the synthesis and properties of mesostructured aluminas and assessment as supports for Co-based Fischer-Tropsch synthesis catalysts. <i>Fuel Processing Technology</i> , <b>2020</b> , 205, 106433	7.2	2
120	Generation of hierarchical porosity in beta zeolite by post-synthesis treatment with the cetyltrimethylammonium cationic surfactant under alkaline conditions. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 280, 144-150	5.3	18
119	Conformational sieving effect of organic structure-directing agents during the synthesis of zeolitic materials. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 287, 56-64	5.3	3
118	Synthesis and Properties of Zeolite Materials Guided by Periodic Considerations. <i>Structure and Bonding</i> , <b>2019</b> , 53-88	0.9	1
117	Composite materials based on zeolite stilbite from Faroe Islands for the removal of fluoride from drinking water. <i>American Mineralogist</i> , <b>2019</b> , 104, 1556-1564	2.9	
116	Vanadosilicate with MWW zeolite structure synthesized from VCl <sub>3</sub> by cooperative assembly of organic templates. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 279, 252-261	5.3	1
115	Self-assembly of chiral (1R,2S)-ephedrine and (1S,2S)-pseudoephedrine into low-dimensional aluminophosphate materials driven by their amphiphilic nature. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 8564-8578	3.6	1
114	One-Directional Antenna Systems: Energy Transfer from Monomers to J-Aggregates within 1D Nanoporous Aluminophosphates. <i>ACS Photonics</i> , <b>2018</b> , 5, 151-157	6.3	10
113	Conformational Space of (1R,2S)-Dimethyl-Ephedrinium and (1S,2S)-Dimethyl-Pseudoephedrinium in the Synthesis of Nanoporous Aluminophosphates. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 20377-20390	3.8	4
112	Synthesis of mesoporous-zeolite materials using Beta zeolite nanoparticles as precursors and their catalytic performance in m-xylene isomerization and disproportionation. <i>Applied Catalysis A: General</i> , <b>2018</b> , 568, 148-156	5.1	11
111	Comparison of the structure-directing effect of ephedrine and pseudoephedrine during crystallization of nanoporous aluminophosphates. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 254, 211-224	5.3	8
110	Controlled growth of nano-hydroxyapatite on stilbite: Defluoridation performance. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 254, 86-95	5.3	8

109	Direct synthesis of bulk ALPON basic catalysts in ionic liquids. <i>Journal of Catalysis</i> , <b>2017</b> , 348, 177-188	7.3	
108	ICP-2: A New Hybrid Organo-Inorganic Ferrierite Precursor with Expanded Layers Stabilized by $\pi$ Stacking Interactions. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 24114-24127	3.8	6
107	Supramolecular chemistry controlled by packing interactions during structure-direction of nanoporous materials: Effect of the addition of methyl groups on ephedrine derivatives. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 239, 432-443	5.3	7
106	The Alchemical Manuscripts of David Lindsay (1587-1641), Lord Lindsay of Balcarres. <i>Ambix</i> , <b>2017</b> , 64, 234-262	0.2	2
105	Conventional versus alkali fusion synthesis of zeolite A from low grade kaolin. <i>Applied Clay Science</i> , <b>2016</b> , 132-133, 485-490	5.2	50
104	Formation of a Nonlinear Optical Host-Guest Hybrid Material by Tight Confinement of LDS 722 into Aluminophosphate 1D Nanochannels. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 15700-15711	4.8	15
103	Effect of synthesis conditions on zeolite Beta properties and its performance in vacuum gas oil hydrocracking activity. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 234, 347-360	5.3	23
102	Synthesis of ferrierite by a new combination of co-structure-directing agents: 1,6-bis( N -methylpyrrolidinium)hexane and tetramethylammonium. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 232, 218-226	5.3	9
101	Vacuum gas-oil hydrocracking performance of Beta zeolite obtained by hydrothermal synthesis using carbon nanotubes as mesoporous template. <i>Fuel</i> , <b>2016</b> , 182, 236-247	7.1	16
100	Synthesis of zeolite A using kaolin from Ethiopia and its application in detergents. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 3440-3446	3.6	17
99	Supramolecular chemistry of chiral (1R,2S)-ephedrine confined within the AFI framework as a function of the synthesis conditions. <i>Catalysis Today</i> , <b>2016</b> , 277, 9-20	5.3	12
98	Defluoridation performance of nano-hydroxyapatite/stilbite composite compared with bone char. <i>Separation and Purification Technology</i> , <b>2016</b> , 157, 241-248	8.3	27
97	Influence of Si Incorporation into the Novel Ti(III)APO-5 Catalysts on the Oxidation of Cyclohexene in Liquid Phase. <i>Topics in Catalysis</i> , <b>2016</b> , 59, 326-336	2.3	5
96	The origin of the Instituto de Catálisis y Petroleoquímica (ICP, Institute of Catalysis and Petroleum Chemistry) of the Spanish National Research Council and its relationship with the development of catalysis in Spain. <i>Catalysis Today</i> , <b>2016</b> , 259, 3-8	5.3	9
95	Towards chiral distributions of dopants in microporous frameworks: helicoidal supramolecular arrangement of (1R,2S)-ephedrine and transfer of chirality. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 348-57	3.6	15
94	Strategies to Improve the Accessibility to the Intracrystalline Void of Zeolite Materials: Some Chemical Reflections <b>2015</b> , 1-30		3
93	Atomic Observations of Microporous Materials Highly Unstable under the Electron Beam: The Cases of Ti-Doped AlPO <sub>4</sub> -5 and ZnMOF-74. <i>ChemCatChem</i> , <b>2015</b> , 7, 3719-3724	5.2	29
92	Synthesis of zeolite A from Ethiopian kaolin. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 215, 29-36	5.3	63

91	Supramolecular Chemistry Controlled by Conformational Space during Structure Direction of Nanoporous Materials: Self-Assembly of Ephedrine and Pseudoephedrine. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 28214-28225	3.8	19
90	Direct evidence of the effect of synthesis conditions on aluminum siting in zeolite ferrierite: A 27Al MQ MAS NMR study. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 193, 111-114	5.3	26
89	Ion-exchange in natural zeolite stilbite and significance in defluoridation ability. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 193, 93-102	5.3	35
88	Ti(III)APO-5 materials as selective catalysts for the allylic oxidation of cyclohexene: Effect of Ti source and Ti content. <i>Catalysis Today</i> , <b>2014</b> , 227, 57-64	5.3	13
87	Synthesis of the Aluminophosphate ICP-1 by Self-Assembly of 1,3-Diphenylguanidine: Insights into Supramolecular Aggregation. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 4835-4845	3.8	11
86	Controlled growth of hydroxyapatite on the surface of natural stilbite from Ethiopia: application in mitigation of fluorosis. <i>RSC Advances</i> , <b>2014</b> , 4, 7998	3.7	11
85	Highly Luminescent and Optically Switchable Hybrid Material by One-Pot Encapsulation of Dyes into MgAPO-11 Unidirectional Nanopores. <i>ACS Photonics</i> , <b>2014</b> , 1, 205-211	6.3	19
84	Generation of gold nanoparticles according to procedures described in the eighteenth century. <i>Gold Bulletin</i> , <b>2014</b> , 47, 161-165	1.6	10
83	(1R,2S)-Ephedrine: A New Self-Assembling Chiral Template for the Synthesis of Aluminophosphate Frameworks. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 3069-3077	3.8	24
82	Un-assemblable layered aluminophosphates from self-assembling structure-directing agents: Effect of fluorine. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 183, 99-107	5.3	6
81	Incorporation of Ti(III) into the AlPO <sub>4</sub> -5 framework by direct synthesis. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 190, 334-345	5.3	8
80	Enhanced catalytic activity of TAPO-5 in the oxidation of cyclohexene with hydrogen peroxide under anhydrous conditions. <i>Catalysis Today</i> , <b>2013</b> , 213, 211-218	5.3	16
79	Controlling the Aluminum Distribution in the Zeolite Ferrierite via the Organic Structure Directing Agent. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3654-3661	9.6	82
78	Natural zeolites from Ethiopia for elimination of fluoride from drinking water. <i>Separation and Purification Technology</i> , <b>2013</b> , 120, 224-229	8.3	59
77	Anisotropic fluorescence materials: Effect of the synthesis conditions over the incorporation, alignment and aggregation of Pyronine Y within MgAPO-5. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 172, 190-199	5.3	7
76	Effect of Fluorine and Molecular Charge-State on the Aggregation Behavior of (S)-( $\beta$ -N-Benzylpyrrolidine-2-methanol Confined within the AFI Nanoporous Structure. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 8832-8839	3.8	9
75	Modulating dye aggregation by incorporation into 1D-MgAPO nanochannels. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9859-65	4.8	15
74	One-Dimensional Antenna Systems by Crystallization Inclusion of Dyes (One-Pot Synthesis) within Zeolitic MgAPO-36 Nanochannels. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 24063-24070	3.8	8

73	Enabling the use of the large-pore three-dimensional microporous zinc aluminophosphate STA-1 for catalysis. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 153, 263-266	5.3	1
72	Chiral distributions of dopants in microporous materials: A new concept of chirality. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 155, 14-15	5.3	8
71	Control of CO <sub>2</sub> adsorption heats by the Al distribution in FER zeolites. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 1117-20	3.6	27
70	Stripping voltammetric determination of pyridine-2-aldoxime methochloride at the iron(III) doped zeolite modified glassy carbon electrode. <i>Analyst, The</i> , <b>2012</b> , 137, 5625-31	5	10
69	Study of the structure directing effect of the chiral cation (1S,2S)-2-hydroxymethyl-1-benzyl-1-methylpyrrolidinium in aluminosilicate preparations in the presence of co-structure directing agents. <i>Catalysis Today</i> , <b>2012</b> , 179, 16-26	5.3	5
68	Zeolite-based materials for novel catalytic applications: Opportunities, perspectives and open problems. <i>Catalysis Today</i> , <b>2012</b> , 179, 2-15	5.3	247
67	Structure-direction of chiral 2-hydroxymethyl-1-benzyl-1-methylpyrrolidinium in the cotemplated synthesis of ferrierite: Fundaments of diastereo-recognition from non-chiral microporous structures. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 146, 57-68	5.3	11
66	Synthesis of Zn-containing microporous aluminophosphate with the STA-1 structure. <i>Dalton Transactions</i> , <b>2011</b> , 40, 8125-31	4.3	9
65	Diastereoselective Structure Directing Effect of (1S,2S)-2-Hydroxymethyl-1-benzyl-1-methylpyrrolidinium in the Synthesis of ZSM-12. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 2276-2286	9.6	14
64	Structure Directing Effect of (1S,2S)-2-Hydroxymethyl-1-benzyl-1-methylpyrrolidinium in the Synthesis of AlPO-5. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 8320-8327	3.8	7
63	Co-Templates in Synthesis of Zeolites <b>2010</b> , 107-129		2
62	Dopant-siting selectivity in nanoporous catalysts: control of proton accessibility in zeolite catalysts through the rational use of templates. <i>Chemical Communications</i> , <b>2010</b> , 46, 2073-5	5.8	37
61	Synthesis of Open Zeolite Structures from Mixtures of Tetramethylammonium and Benzylmethylalkylammonium Cations: A Step Towards Driving Aluminium Location in the Framework. <i>Topics in Catalysis</i> , <b>2010</b> , 53, 1297-1303	2.3	8
60	Synthesis of ferrierite zeolite with pyrrolidine as structure directing agent: A combined X-ray diffraction and computational study. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 129, 164-172	5.3	31
59	Layering of ferrierite sheets by using large co-structure directing agents: Zeolite synthesis using 1-benzyl-1-methylpyrrolidinium and tetraethylammonium. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 132, 375-383	5.3	9
58	Insights into structure direction of microporous aluminophosphates: competition between organic molecules and water. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 1478-90	4.8	20
57	Zeolite synthesis using 1-benzyl-1-methylpyrrolidinium in the presence of Na <sup>+</sup> as co-structure directing agent. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 118, 273-279	5.3	3
56	Aggregation behavior of (S)-1-N-benzylpyrrolidine-2-methanol in the synthesis of the AFI structure in the presence of dopants. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 119, 299-305	5.3	14

55	Tailoring the acid strength of microporous silicoaluminophosphates through the use of mixtures of templates: Control of the silicon incorporation mechanism. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 121, 129-137	5.3	19
54	Structure-Directing Effect of (S)-( $\beta$ -N-Benzylpyrrolidine-2-methanol and Benzylpyrrolidine in the Synthesis of STA-1: A New Computational Model for Structure Direction of Nanoporous Systems. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 3447-3457	9.6	10
53	Molecular insights into the self-aggregation of aromatic molecules in the synthesis of nanoporous aluminophosphates: a multilevel approach. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16509-24	16.4	33
52	Supramolecular chemistry in the structure direction of microporous materials from aromatic structure-directing agents. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 13274-84	16.4	49
51	Cooperative Effect of Hydroxide and Fluorinated Organic Ions as Structure Directing Agent in the Synthesis of Crystalline Microporous Aluminophosphates. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 987-995	9.6	23
50	Synthesis of open zeolite frameworks by using a combination of bulky and cage-forming structure directing agents. <i>Studies in Surface Science and Catalysis</i> , <b>2008</b> , 135-140	1.8	2
49	Dynamics of PEO-PPO-PEO block copolymer aggregation and silicate mesophase formation monitored by time-resolved ATR-FTIR spectroscopy. <i>Studies in Surface Science and Catalysis</i> , <b>2008</b> , 333-336	1.8	2
48	Cooperative structure directing effects in the synthesis of crystalline molecular sieves. <i>Studies in Surface Science and Catalysis</i> , <b>2008</b> , 174, 85-90	1.8	2
47	Glass technology in Spain in XVIIIth century according to printed sources: the Spanish annotated translation of L&#x27;Arte Vetraria. <i>Journal of Cultural Heritage</i> , <b>2008</b> , 9, e81-e84	2.9	1
46	Mesoporous titanosilicates synthesized from TS-1 precursors with enhanced catalytic activity in the Epine selective oxidation. <i>Applied Catalysis A: General</i> , <b>2008</b> , 343, 77-86	5.1	37
45	Supramolecular assemblies of fluoro-aromatic organic molecules as structure directing agents of microporous materials: Different effects of fluorine. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 109, 494-504	5.3	11
44	Synthesis and Catalytic Evaluation of Ferrierite-Related Materials Synthesized in the Presence of co-Structure Directing Agents. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2008</b> , 73, 1089-1104		2
43	Cooperative Structure Directing Role of the Cage-Forming Tetramethylammonium Cation and the Bulkier Benzylmethylpyrrolidinium in the Synthesis of Zeolite Ferrierite. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5617-5626	9.6	80
42	(S)-( $\beta$ -N-benzylpyrrolidine-2-methanol: A new and efficient structure directing agent for the synthesis of crystalline microporous aluminophosphates with AFI-type structure. <i>Microporous and Mesoporous Materials</i> , <b>2007</b> , 100, 55-62	5.3	17
41	Synthesis of Ferrierite from Gels Containing a Mixture of Two Templates. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2007</b> , 72, 666-678		6
40	Aluminum incorporation into plate-like ordered mesoporous materials obtained from layered zeolite precursors. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 177-180	1.8	1
39	Controlled release of Ibuprofen from dealuminated faujasites. <i>Solid State Sciences</i> , <b>2006</b> , 8, 1459-1465	3.4	83
38	Functionalization of mesoporous materials with long alkyl chains as a strategy for controlling drug delivery pattern. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 462-466		283



37	Computational study of a chiral supramolecular arrangement of organic structure directing molecules for the AFI structure. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 486-93	3.6	39
36	An Approach Toward the Synthesis of Platelike Ordered Mesoporous Materials from Layered Zeolite Precursors. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 2283-2292	9.6	34
35	Structure-directing role of molecules containing benzyl rings in the synthesis of a large-pore aluminophosphate molecular sieve: an experimental and computational study. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 21539-48	3.4	27
34	Direct observation of growth defects in zeolite beta. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 494-5	16.4	60
33	Cooperative Structure-Directing Effect of Fluorine-Containing Organic Molecules and Fluoride Anions in the Synthesis of Zeolites. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4374-4385	9.6	33
32	Fluorine-containing organic molecules as structure directing agents in the synthesis of crystalline microporous materials. Part I: Synthesis of AlPO <sub>4</sub> -5 and SAPO-5 from fluorobenzyl-pyrrolidine. <i>Microporous and Mesoporous Materials</i> , <b>2005</b> , 78, 189-197	5.3	23
31	Organising disordered matter: strategies for ordering the network of mesoporous materials. <i>Comptes Rendus Chimie</i> , <b>2005</b> , 8, 569-578	2.7	35
30	Release evaluation of drugs from ordered three-dimensional silica structures. <i>European Journal of Pharmaceutical Sciences</i> , <b>2005</b> , 26, 365-73	5.1	189
29	Phosphorous-doped MCM-41 as bioactive material. <i>Solid State Sciences</i> , <b>2005</b> , 7, 233-237	3.4	72
28	Organising Disordered Matter: Strategies for Ordering the Network of Mesoporous Materials. <i>ChemInform</i> , <b>2005</b> , 36, no		3
27	Optimization of the preparation method of HSO <sub>3</sub> -functionalized MCM-41 solid catalysts. <i>Catalysis Today</i> , <b>2005</b> , 107-108, 868-873	5.3	25
26	Solid Catalysts for the Synthesis of Fatty Esters of Glycerol, Polyglycerols and Sorbitol from Renewable Resources. <i>Topics in Catalysis</i> , <b>2004</b> , 27, 105-117	2.3	67
25	Structural study by transmission and scanning electron microscopy of the time-dependent structural change in M41S mesoporous silica (MCM-41 to MCM-48, and MCM-50). <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 48-53		32
24	Computational study of the structure-directing effect of benzylpyrrolidine and its fluorinated derivatives in the synthesis of the aluminophosphate ALPO-5. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 12097-102	16.4	56
23	Transmission Electron Microscopy Study of the Porous Structure of Aluminas Synthesized by Non-Ionic Surfactant Templating Route. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2003</b> , 68, 1937-1948		7
22	Ferrocenyl Dendrimers Incorporated into Mesoporous Silica: 'New Hybrid Redox-Active Materials' <i>Chemistry of Materials</i> , <b>2003</b> , 15, 1073-1079	9.6	35
21	High acid catalytic activity of aluminosilicate molecular sieves with MCM-41 structure synthesized from precursors of colloidal faujasite. <i>Chemical Communications</i> , <b>2003</b> , 150-1	5.8	28
20	Textural properties of nanocrystalline tin oxide obtained by spray pyrolysis. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2290-2296		22

19	Synthesis and Characterisation of Ordered Mesoporous Acid Catalysts for Synthesis of Biodegradable Surfactants. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2003</b> , 68, 1914-1926		11
18	Three-Dimensional Cubic Mesoporous Structures of SBA-12 and Related Materials by Electron Crystallography. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 3118-3123	3.4	141
17	Synthesis of Spongelike Functionalized MCM-41 Materials from Gels Containing Amino Acids. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4641-4646	9.6	41
16	Characterization of Ga-substituted zeolite Beta by X-ray absorption spectroscopy. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 1383-1387		25
15	Pore-size control of Al-MCM-41 materials by spontaneous swelling. <i>Studies in Surface Science and Catalysis</i> , <b>1999</b> , 125, 53-60	1.8	9
14	SSZ-23: An Odd Zeolite with Pore Openings of Seven and Nine Tetrahedral Atoms. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 2122-2126	16.4	100
13	Strategies to improve the epoxidation activity and selectivity of Ti-MCM-41. <i>Chemical Communications</i> , <b>1998</b> , 2211-2212	5.8	182
12	AlMePO <sub>4</sub> -inclusion and thermal removal of structure directing agent and the topotactic reconstructive transformation to its polymorph AlMePO <sub>4</sub> . <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 2287-2292		39
11	Synthesis of MCM-41 with Different Pore Diameters without Addition of Auxiliary Organics. <i>Chemistry of Materials</i> , <b>1997</b> , 9, 2123-2126	9.6	191
10	Infrared spectroscopy, thermoprogrammed desorption, and nuclear magnetic resonance study of the acidity, structure, and stability of zeolite MCM-22. <i>Zeolites</i> , <b>1995</b> , 15, 576-582		88
9	<sup>27</sup> Al and <sup>29</sup> Si MAS NMR Study of Zeolite MCM-22. <i>The Journal of Physical Chemistry</i> , <b>1995</b> , 99, 7002-7008		75
8	Synthesis of SiVPI-5 with enhanced activity in acid catalysed reactions. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 731-732		17
7	SAPO-37: the implications of structure flexibility on acidity. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1993</b> , 676-678		9
6	Solid-state NMR study of ordered mesoporous aluminosilicate MCM-41 synthesized on a liquid-crystal template. <i>Solid State Nuclear Magnetic Resonance</i> , <b>1993</b> , 2, 253-9	3.1	105
5	Synthesis of a titaniumsilicoaluminate isomorphous to zeolite beta and its application as a catalyst for the selective oxidation of large organic molecules. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1992</b> , 589-590		304
4	Hydrothermal transformation of natural clinoptilolite to zeolites Y and P1: Influence of the Na, K content. <i>Zeolites</i> , <b>1989</b> , 9, 33-39		20
3	Factors affecting the synthesis efficiency of zeolite BETA from aluminosilicate gels containing alkali and tetraethylammonium ions. <i>Zeolites</i> , <b>1988</b> , 8, 46-53		97
2	Crystallization mechanism of zeolite beta from (TEA) <sub>2</sub> O, Na <sub>2</sub> O and K <sub>2</sub> O containing aluminosilicate gels. <i>Applied Catalysis</i> , <b>1987</b> , 31, 35-64		193



1	A Career in Catalysis: Avelino Corma. <i>ACS Catalysis</i> , 7054-7123	13.1	1
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