

Angel Cantin

List of Publications by Citations

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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.

38
papers

1,637
citations

18
h-index

40
g-index

40
ext. papers

1,858
ext. citations

9.4
avg, IF

4.05
L-index

#	Paper	IF	Citations
38	The ITQ-37 mesoporous chiral zeolite. <i>Nature</i> , 2009 , 458, 1154-7	50.4	463
37	Control of zeolite framework flexibility and pore topology for separation of ethane and ethylene. <i>Science</i> , 2017 , 358, 1068-1071	33.3	195
36	Modular organic structure-directing agents for the synthesis of zeolites. <i>Science</i> , 2010 , 330, 1219-22	33.3	110
35	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
34	Pure silica ITQ-32 zeolite allows separation of linear olefins from paraffins. <i>Chemical Communications</i> , 2007 , 1233-5	5.8	76
33	Rational design and HT techniques allow the synthesis of new IWR zeolite polymorphs. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4216-7	16.4	76
32	Synthesis and Structure of Polymorph B of Zeolite Beta. <i>Chemistry of Materials</i> , 2008 , 20, 3218-3223	9.6	67
31	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
30	Synthesis of the TiBilicate Form of BEC Polymorph of Zeolite Assisted by Molecular Modeling. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19547-19554	3.8	52
29	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
28	Novel Layered Organic-Inorganic Hybrid Materials with Bridged Silsesquioxanes as Pillars. <i>Chemistry of Materials</i> , 2007 , 19, 3686-3693	9.6	46
27	Gold(I) catalyzes the intermolecular hydroamination of alkynes with imines and produces HN -triarylbis enamines: studies on their use as intermediates in synthesis. <i>Journal of Organic Chemistry</i> , 2010 , 75, 7769-80	4.2	44
26	Searching Organic Structure Directing Agents for the Synthesis of Specific Zeolitic Structures: An Experimentally Tested Computational Study. <i>Chemistry of Materials</i> , 2005 , 17, 545-552	9.6	44
25	Isolation, Structural Assignment, and Synthesis of N-(2-Methyl-3-oxodecanoyl)-2-pyrroline, a New Natural Product from <i>Penicillium brevicompactum</i> with in Vivo Anti-Juvenile Hormone Activity. <i>Journal of Organic Chemistry</i> , 1998 , 63, 8530-8535	4.2	34
24	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
23	Insecticidal, anti-juvenile hormone, and fungicidal activities of organic extracts from different <i>Penicillium</i> species and their isolated active components. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 2120-4	5.7	30
22	Self-Assembled Aromatic Molecules as Efficient Organic Structure Directing Agents to Synthesize the Silicoaluminophosphate SAPO-42 with Isolated Si Species. <i>Chemistry of Materials</i> , 2015 , 27, 2981-2989	9.6	23

21	Use of different microporous and mesoporous materials as catalyst in the Diels-Alder and retro-Diels-Alder reaction between cyclopentadiene and p-benzoquinone. Activity of Al-, Ti- and Sn-doped silica. <i>Journal of Molecular Catalysis A</i> , 2005 , 240, 16-21		22
20	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
19	Synthesis of the Small Pore Silicoaluminophosphate STA-6 by Using Supramolecular Self-Assembled Organic Structure Directing Agents. <i>Chemistry of Materials</i> , 2014 , 26, 4346-4353	9.6	16
18	Isolation of N-(2-Methyl-3-oxodecanoyl)pyrrole and N-(2-Methyl-3-oxodec-8-enoyl)pyrrole, Two New Natural Products from <i>Penicillium brevicompactum</i> , and Synthesis of Analogues with Insecticidal and Fungicidal Activity. <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 4748-4753	5.7	15
17	Conceptual similarities between zeolites and artificial enzymes. <i>Chemical Science</i> , 2019 , 10, 8009-8015	9.4	13
16	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
15	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
14	Isolation, structural assignment and insecticidal activity of (1R,2R,3R,4S)-1,2-epoxy-1-methyl-4-(1-methylethyl)-cyclohex-3-yl acetate, a natural product from <i>Mintostachys tomentosa</i> . <i>Tetrahedron: Asymmetry</i> , 2001 , 12, 677-683		7
13	Chiral hybrid materials based on pyrrolidine building units to perform asymmetric Michael additions with high stereocontrol. <i>Catalysis Science and Technology</i> , 2018 , 8, 5835-5847	5.5	7
12	Synthesis and biological evaluation of new analogues of the active fungal metabolites N-(2-methyl-3-oxodecanoyl)-2-pyrroline and N-(2-methyl-3-oxodec-8-enoyl)-2-pyrroline. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 3866-71	5.7	6
11	Layered hybrid materials with nanotechnological applications: use of disilane precursors as pillaring agents. <i>Studies in Surface Science and Catalysis</i> , 2008 , 337-340	1.8	5
10	Synthesis and biological evaluation of new analogues of the active fungal metabolites N-(2-methyl-3-oxodecanoyl)-2-pyrroline and N-(2-methyl-3-oxodec-8-enoyl)-2-pyrroline (II). <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 3682-8	5.7	5
9	New insight into the transcarbamylase family: the structure of putrescine transcarbamylase, a key catalyst for fermentative utilization of agmatine. <i>PLoS ONE</i> , 2012 , 7, e31528	3.7	5
8	Unusually Low Heat of Adsorption of CO on AlPO and SAPO Molecular Sieves. <i>Frontiers in Chemistry</i> , 2020 , 8, 588712	5	4
7	Novel inhibitors of the mitochondrial respiratory chain: oximes and pyrrolines isolated from <i>Penicillium brevicompactum</i> and synthetic analogues. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 8296-301	5.7	4
6	Diels-Alder reactions in confined spaces: the influence of catalyst structure and the nature of active sites for the retro-Diels-Alder reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 2181-2188	2.5	4
5	Synthesis and structure of polymorph B of Beta zeolite. <i>Studies in Surface Science and Catalysis</i> , 2008 , 174, 233-236	1.8	3
4	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

3	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
2	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
1	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