

# Angel Cantin

## List of Publications by Year in descending order

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38  
papers

2,025  
citations

393982

19  
h-index

315357

38  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2062  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ITQ-37 mesoporous chiral zeolite. <i>Nature</i> , 2009, 458, 1154-1157.	13.7	526
2	Control of zeolite framework flexibility and pore topology for separation of ethane and ethylene. <i>Science</i> , 2017, 358, 1068-1071.	6.0	304
3	Modular Organic Structure-Directing Agents for the Synthesis of Zeolites. <i>Science</i> , 2010, 330, 1219-1222.	6.0	136
4	Rational Design and HT Techniques Allow the Synthesis of New IWR Zeolite Polymorphs. <i>Journal of the American Chemical Society</i> , 2006, 128, 4216-4217.	6.6	93
5	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, 8013-8015.	7.2	93
6	Pure silica ITQ-32 zeolite allows separation of linear olefins from paraffins. <i>Chemical Communications</i> , 2007, , 1233-1235.	2.2	85
7	Synthesis and Structure of Polymorph B of Zeolite Beta. <i>Chemistry of Materials</i> , 2008, 20, 3218-3223.	3.2	80
8	Synthesis and Structure of the Bidimensional Zeolite ITQ-32 with Small and Large Pores. <i>Journal of the American Chemical Society</i> , 2005, 127, 11560-11561.	6.6	72
9	Synthesis of the Ti <sup>4+</sup> Silicate Form of BEC Polymorph of $\beta$ -Zeolite Assisted by Molecular Modeling. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19547-19554.	1.5	58
10	A New Microporous Zeolitic Silicoborate (ITQ-52) with Interconnected Small and Medium Pores. <i>Journal of the American Chemical Society</i> , 2014, 136, 3342-3345.	6.6	58
11	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.	3.2	55
12	Gold(I) Catalyzes the Intermolecular Hydroamination of Alkynes with Imines and Produces $\beta$ -Triaryl-bis-enamines: Studies on Their Use As Intermediates in Synthesis. <i>Journal of Organic Chemistry</i> , 2010, 75, 7769-7780.	1.7	48
13	Novel Layered Organic-Inorganic Hybrid Materials with Bridged Silsesquioxanes as Pillars. <i>Chemistry of Materials</i> , 2007, 19, 3686-3693.	3.2	47
14	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, 7602-7605.	2.2	47
15	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.	1.7	37
16	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.	3.2	33
17	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, 2120-2124.	2.4	32
18	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.	4.8	26

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19	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.	2.2	23
20	Unusually Low Heat of Adsorption of CO <sub>2</sub> on AlPO and SAPO Molecular Sieves. <i>Frontiers in Chemistry</i> , 2020, 8, 588712.	1.8	21
21	Conceptual similarities between zeolites and artificial enzymes. <i>Chemical Science</i> , 2019, 10, 8009-8015.	3.7	20
22	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.	2.4	19
23	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.	3.2	19
24	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.	0.4	16
25	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.	2.1	12
26	Isolation, structural assignment and insecticidal activity of (±)-(1S,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.	1.8	10
27	ITQ-69: A Germanium-Containing Zeolite and its Synthesis, Structure Determination, and Adsorption Properties. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11745-11750.	7.2	8
28	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.	1.5	7
29	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, 3866-3871.	2.4	6
30	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, 3682-3688.	2.4	6
31	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, 8296-8301.	2.4	6
32	Layered hybrid materials with nanotechnological applications: use of disilane precursors as pillaring agents. <i>Studies in Surface Science and Catalysis</i> , 2008, , 337-340.	1.5	5
33	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.	1.1	5
34	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.	1.3	4
35	Synthesis and structure of polymorph B of Beta zeolite. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 233-236.	1.5	3
36	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.	1.5	2

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37	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.	1.5	2
38	ITQ-69: A Germanium-Containing Zeolite and its Synthesis, Structure Determination, and Adsorption Properties. <i>Angewandte Chemie</i> , 2021, 133, 11851-11856.	1.6	1