

Luis Salvatella

List of Publications by Year in descending order

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32
papers

1,070
citations

394421

19
h-index

414414

32
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33
all docs

33
docs citations

33
times ranked

1231
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical insight on the treatment of $\hat{1}^2$ -hexachlorocyclohexane waste through alkaline dehydrochlorination. <i>Scientific Reports</i> , 2021, 11, 8777.	3.3	7
2	A DFT study on the mechanism of the sulfonic acid + alcohol esterification reaction. <i>RSC Advances</i> , 2018, 8, 3828-3832.	3.6	4
3	Role of Substituents in the Solid Acid-Catalyzed Cleavage of the $\hat{1}^2$ -O-4 Linkage in Lignin Models. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1837-1847.	6.7	29
4	Copper-catalyzed cyclopropanation reaction of but-2-ene. <i>Journal of Molecular Modeling</i> , 2018, 24, 195.	1.8	9
5	Theoretical Study on the BF_3 -Catalyzed Meinwald Rearrangement Reaction. <i>Journal of Organic Chemistry</i> , 2014, 79, 5993-5999.	3.2	40
6	General Procedure for the Easy Calculation of pH in an Introductory Course of General or Analytical Chemistry. <i>Journal of Chemical Education</i> , 2014, 91, 524-530.	2.3	6
7	Stereochemical Outcome of Copper-Catalyzed $\text{C}\hat{1}\text{H}$ Insertion Reactions. An Experimental and Theoretical Study. <i>Journal of Organic Chemistry</i> , 2013, 78, 5851-5857.	3.2	17
8	A Theoretical Insight into the Mechanism of the Silver-Catalysed Transsilylation Reaction. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1231-1234.	2.4	15
9	Theoretical Insights into Enantioselective Catalysis: The Mechanism of the Kharasch-Sosnovsky Reaction. <i>Chemistry - A European Journal</i> , 2008, 14, 9274-9285.	3.3	69
10	Complete Characterization of a Chiral Lewis Acid-Product Complex for the Enantioselective Diels-Alder Reaction between Methacrolein and Cyclopentadiene: Mechanistic Considerations. <i>Organometallics</i> , 2007, 26, 6493-6496.	2.3	15
11	Conformational Preferences of Methacrolein in Diels-Alder and 1,3-Dipolar Cycloaddition Reactions. <i>Journal of Organic Chemistry</i> , 2006, 71, 9831-9840.	3.2	35
12	The Source of the endo Rule in the Diels-Alder Reaction: Are Secondary Orbital Interactions Really Necessary?. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 85-90.	2.4	34
13	Asymmetric versus C_2 -Symmetric Ligands: Origin of the Enantioselectivity in Ruthenium-Pybox-Catalyzed Cyclopropanation Reactions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 458-461.	13.8	27
14	Computational Mechanistic Studies on Enantioselective pybox-Ruthenium-Catalyzed Cyclopropanation Reactions. <i>Organometallics</i> , 2005, 24, 3448-3457.	2.3	19
15	Solvent Effects on the 9-Hydroxymethylanthracene + N-Ethylmaleimide Diels-Alder Reaction. A Theoretical Study. <i>Journal of Organic Chemistry</i> , 2005, 70, 1456-1458.	3.2	12
16	Theoretical Insights into the Role of a Counterion in Copper-Catalyzed Enantioselective Cyclopropanation Reactions. <i>Chemistry - A European Journal</i> , 2004, 10, 758-765.	3.3	60
17	Experimental and Theoretical Studies on Structure-Reactivity Relationships of Titanium-Modified Silicas in the Hydrogen Peroxide-Promoted Oxidation of Cyclohexene. <i>Journal of Physical Chemistry B</i> , 2003, 107, 519-526.	2.6	22
18	Theoretical (DFT) Insights into the Mechanism of Copper-Catalyzed Cyclopropanation Reactions. Implications for Enantioselective Catalysis. <i>Journal of the American Chemical Society</i> , 2001, 123, 7616-7625.	13.7	176

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19	Tandem Diels-Alder Aromatization Reactions of Furans under Unconventional Reaction Conditions: Experimental and Theoretical Studies. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 2891.	2.4	32
20	Do Secondary Orbital Interactions Really Exist?. <i>Accounts of Chemical Research</i> , 2000, 33, 658-664.	15.6	153
21	Theoretical evidence of a feasible concerted antarafacial cycloaddition. <i>Chemical Communications</i> , 1999, , 903-904.	4.1	1
22	On the Nature of the Lewis Acid Sites of Aluminum-Modified Silica. A Theoretical and Experimental Study. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1664-1670.	2.6	12
23	A Density Functional Study on the Coordination of Aldehydes to N-Sulfonyl 1,3,2-Oxazaborolidin-5-one. <i>Journal of the American Chemical Society</i> , 1999, 121, 10772-10780.	13.7	15
24	Combined AM1/MM3 computations on organic systems: the Diels-Alder reaction as a test case. <i>Chemical Physics Letters</i> , 1998, 296, 239-244.	2.6	7
25	The Role of Menthyl Group in Catalyzed Asymmetric Diels-Alder Reactions. A Combined Quantum Mechanics/Molecular Mechanics Study. <i>Journal of Organic Chemistry</i> , 1998, 63, 4664-4670.	3.2	15
26	Solvent effects on Diels-Alder reactions. The use of aqueous mixtures of fluorinated alcohols and the study of reactions of acrylonitrile. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 653.	0.9	78
27	An Ab Initio Study on the Conformational and Endo/exo Preferences of Acrylates in Diels-Alder Reactions. <i>Tetrahedron</i> , 1997, 53, 6057-6064.	1.9	23
28	Is It [4 + 2] or [2 + 4]? A New Look at Lewis Acid Catalyzed Diels-Alder Reactions. <i>Journal of the American Chemical Society</i> , 1996, 118, 11680-11681.	13.7	24
29	On the conformational preferences of $\hat{1}\pm, \hat{1}^2$ -unsaturated carbonyl compounds. An ab initio study. <i>Computational and Theoretical Chemistry</i> , 1996, 362, 187-197.	1.5	20
30	Solvent effects on Diels-Alder reactions. A semi-empirical study. <i>Computational and Theoretical Chemistry</i> , 1995, 331, 37-50.	1.5	27
31	Solvent effects on endo/exo- and regio-selectivities of Diels-Alder reactions of carbonyl-containing dienophiles. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 847-851.	0.9	40
32	On the role of hexafluoroisopropanol in Diels-Alder reactions of acid-sensitive reagents. <i>Canadian Journal of Chemistry</i> , 1994, 72, 308-311.	1.1	27