Luis Salvatella

List of Publications by Year
in descending order

32 papers	1,070 citations	394421 19 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	1231 citing authors

#	Article	IF	Citations
1	Theoretical (DFT) Insights into the Mechanism of Copper-Catalyzed Cyclopropanation Reactions. Implications for Enantioselective Catalysis. Journal of the American Chemical Society, 2001, 123, 7616-7625.	13.7	176
2	Do Secondary Orbital Interactions Really Exist?. Accounts of Chemical Research, 2000, 33, 658-664.	15.6	153
3	Solvent effects on Diels-Alder reactions. The use of aqueous mixtures of fluorinated alcohols and the study of reactions of acrylonitrile. Journal of the Chemical Society Perkin Transactions II, 1997, , 653.	0.9	78
4	Theoretical Insights into Enantioselective Catalysis: The Mechanism of the Kharaschâ€“Sosnovsky Reaction. Chemistry - A European Journal, 2008, 14, 9274-9285.	3.3	69
5	Theoretical Insights into the Role of a Counterion in Copper-Catalyzed Enantioselective Cyclopropanation Reactions. Chemistry - A European Journal, 2004, 10, 758-765.	3.3	60
6	Solvent effects on endo/exo- and regio-selectivities of Dielsâ€“Alder reactions of carbonyl-containing dienophiles. Journal of the Chemical Society Perkin Transactions II, 1994, , 847-851.	0.9	40
7	Theoretical Study on the BF₃-Catalyzed Meinwald Rearrangement Reaction. Journal of Organic Chemistry, 2014, 79, 5993-5999.	3.2	40
8	Conformational Preferences of Methacrolein in Dielsâ^'Alder and 1,3-Dipolar Cycloaddition Reactions. Journal of Organic Chemistry, 2006, 71, 9831-9840.	3.2	35
9	The Source of theendoRule in the Dielsâ^'Alder Reaction: Are Secondary Orbital Interactions Really Necessary?. European Journal of Organic Chemistry, 2005, 2005, 85-90.	2.4	34
10	Tandem Dielsâ^'Alder Aromatization Reactions of Furans under Unconventional Reaction Conditions â^' Experimental and Theoretical Studies. European Journal of Organic Chemistry, 2001, 2001, 2891.	2.4	32
11	Role of Substituents in the Solid Acid-Catalyzed Cleavage of the Î²-O-4 Linkage in Lignin Models. ACS Sustainable Chemistry and Engineering, 2018, 6, 1837-1847.	6.7	29
12	On the role of hexafluoroisopropanol in Dielsâ€“Alder reactions of acid-sensitive reagents. Canadian Journal of Chemistry, 1994, 72, 308-311.	1.1	27
13	Solvent effects on Diels-Alder reactions. A semi-empirical study. Computational and Theoretical Chemistry, 1995, 331, 37-50.	1.5	27
14	Asymmetric versusC2-Symmetric Ligands: Origin of the Enantioselectivity in Ruthenium-Pybox-Catalyzed Cyclopropanation Reactions. Angewandte Chemie - International Edition, 2005, 44, 458-461.	13.8	27
15	Is It [4 + 2] or [2 + 4]? A New Look at Lewis Acid Catalyzed Dielsâ^'Alder Reactions. Journal of the American Chemical Society, 1996, 118, 11680-11681.	13.7	24
16	An Ab Initio Study on the Conformational and Endo/exo Preferences of Acrylates in Diels-Alder Reactions. Tetrahedron, 1997, 53, 6057-6064.	1.9	23
17	Experimental and Theoretical Studies on Structureâ^'Reactivity Relationships of Titanium-Modified Silicas in the Hydrogen Peroxide-Promoted Oxidation of Cyclohexene. Journal of Physical Chemistry B, 2003, 107, 519-526.	2.6	22
18	On the conformational preferences of Î±,Î²-unsaturated carbonyl compounds. An ab initio study. Computational and Theoretical Chemistry, 1996, 362, 187-197.	1.5	20

#	Article	IF	Citations
19	Computational Mechanistic Studies on Enantioselective pyboxâ^'Ruthenium-Catalyzed Cyclopropanation Reactions. Organometallics, 2005, 24, 3448-3457.	2.3	19
20	Stereochemical Outcome of Copper-Catalyzed Câ€"H Insertion Reactions. An Experimental and Theoretical Study. Journal of Organic Chemistry, 2013, 78, 5851-5857.	3.2	17
21	The Role of Menthyl Group in Catalyzed Asymmetric Dielsâ^'Alder Reactions. A Combined Quantum Mechanics/Molecular Mechanics Study. Journal of Organic Chemistry, 1998, 63, 4664-4670.	3.2	15
22	A Density Functional Study on the Coordination of Aldehydes to N-Sulfonyl 1,3,2-Oxazaborolidin-5-one. Journal of the American Chemical Society, 1999, 121, 10772-10780.	13.7	15
23	Complete Characterization of a Chiral Lewis Acidâ^'Product Complex for the Enantioselective Dielsâ^'Alder Reaction between Methacrolein and Cyclopentadiene:â€‰ Mechanistic Considerations. Organometallics, 2007, 26, 6493-6496.	2.3	15
24	A Theoretical Insight into the Mechanism of the Silverâ€Catalysed Transsiliranation Reaction. European Journal of Organic Chemistry, 2010, 2010, 1231-1234.	2.4	15
25	On the Nature of the Lewis Acid Sites of Aluminum-Modified Silica. A Theoretical and Experimental Study. Journal of Physical Chemistry B, 1999, 103, 1664-1670.	2.6	12
26	Solvent Effects on the 9-Hydroxymethylanthracene +N-Ethylmaleimide Dielsâ^'Alder Reaction. A Theoretical Study. Journal of Organic Chemistry, 2005, 70, 1456-1458.	3.2	12
27	Copper-catalyzed cyclopropanation reaction of but-2-ene. Journal of Molecular Modeling, 2018, 24, 195.	1.8	9
28	Combined AM1/MM3 computations on organic systems: the Dielsâ€"Alder reaction as a test case. Chemical Physics Letters, 1998, 296, 239-244.	2.6	7
29	Theoretical insight on the treatment of Î²-hexachlorocyclohexane waste through alkaline dehydrochlorination. Scientific Reports, 2021, 11, 8777.	3.3	7
30	General Procedure for the Easy Calculation of pH in an Introductory Course of General or Analytical Chemistry. Journal of Chemical Education, 2014, 91, 524-530.	2.3	6
31	A DFT study on the mechanism of the sulfonic acid + alcohol esterification reaction. RSC Advances, 2018, 8, 3828-3832.	3.6	4
32	Theoretical evidence of a feasible concerted antaraâ€"antara cycloaddition. Chemical Communications, 1999, , 903-904.	4.1	1