

Wafaa Benchouk

List of Publications by Year in descending order

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13
papers

234
citations

1307594

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1125743

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all docs

13
docs citations

13
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the kinetic solvent effects on the 1,3-dipolar cycloaddition of benzonitrile N-oxide: a DFT study. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 611-618.	1.9	79
2	Understanding the role of the Lewis acid catalyst on the 1,3-dipolar cycloaddition of N-benzylideneaniline N-oxide with acrolein: a DFT study. <i>Tetrahedron</i> , 2007, 63, 4464-4471.	1.9	37
3	Theoretical analysis of the regioselectivity of 1,3-dipolar cycloaddition of C-(methoxycarbonyl)-N-methyl with methyl acrylate and vinyl acetate. <i>Computational and Theoretical Chemistry</i> , 2008, 852, 46-53.	1.5	32
4	Understanding the regio- and chemoselective polar [3+2] cycloaddition of the Padwa carbonyl ylides with α -methylene ketones. A DFT study. <i>Tetrahedron</i> , 2009, 65, 4644-4651.	1.9	31
5	Theoretical study of the mechanism and regioselectivity of the 1,3-dipolar cycloaddition of diazomethane with methyl acrylate using theoretical approaches. <i>Computational and Theoretical Chemistry</i> , 2008, 862, 1-6.	1.5	19
6	Theoretical study of the regio- and stereoselectivity of the intramolecular Povarov reactions yielding 5H-chromeno[2,3-c] acridine derivatives. <i>RSC Advances</i> , 2016, 6, 15759-15769.	3.6	10
7	Prediction of the reactivity of 2(5H)-furanones as potential dienophiles in Diels-Alder reactions using philicity indexes. <i>Computational and Theoretical Chemistry</i> , 2007, 821, 42-46.	1.5	9
8	Regio- and diastereoselectivity of the 1,3-dipolar cycloaddition of α -aryl nitron with methacrolein. A theoretical investigation. <i>RSC Advances</i> , 2015, 5, 22126-22134.	3.6	4
9	Understanding the Influence of the Trifluoromethyl Group on the Selectivities of the [3+2] Cycloadditions of Thiocarbonyl S-methanides with α,β -Unsaturated Ketones. A MEDT study. <i>ChemistrySelect</i> , 2020, 5, 12791-12806.	1.5	4
10	REGIOSELECTIVITY OF HETERO DIELS-Alder REACTIONS BETWEEN 1-AZA-1,3-BUTADIENE DERIVATIVES AND DIMETHYLVINYLAMINE: A THEORETICAL INVESTIGATION. <i>Journal of Theoretical and Computational Chemistry</i> , 2006, 05, 707-718.	1.8	3
11	Understanding the regioselectivity of the copper(I)- and ruthenium(II)- catalyzed [3 + 2] cycloadditions of azido derivative of ribose with terminal alkyne: a theoretical study. <i>Theoretical Chemistry Accounts</i> , 2021, 140, 1.	1.4	3
12	Theoretical Insight into the Reversal of Chemoselectivity in Diels-Alder Reactions of α,β -Unsaturated Aldehydes and Ketones Catalyzed by Brønsted and Lewis Acids. <i>Organics</i> , 2021, 2, 38-49.	1.3	2
13	Prediction of the Regioselectivity of 1,3-Dipolar Cycloaddition Reactions of Nitrile Oxides with 2(5H)-Furanones Using Recent Theoretical Reactivity Indices. <i>Progress in Reaction Kinetics and Mechanism</i> , 2017, 42, 289-299.	2.1	1