

Nicolas Grimblat

List of Publications by Year in descending order

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16
papers

1,400
citations

933447

10
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1424
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond DP4: an Improved Probability for the Stereochemical Assignment of Isomeric Compounds using Quantum Chemical Calculations of NMR Shifts. <i>Journal of Organic Chemistry</i> , 2015, 80, 12526-12534.	3.2	890
2	Computational Chemistry to the Rescue: Modern Toolboxes for the Assignment of Complex Molecules by GIAO NMR Calculations. <i>Chemistry - A European Journal</i> , 2016, 22, 12246-12261.	3.3	177
3	Combining the Power of <i>J</i> Coupling and DP4 Analysis on Stereochemical Assignments: The <i>J</i> -DP4 Methods. <i>Organic Letters</i> , 2019, 21, 4003-4007.	4.6	106
4	Diastereoselective Pd-Catalyzed Anomeric C(sp ³)-H Activation: Synthesis of β -(Hetero)aryl C-Glycosides. <i>ACS Catalysis</i> , 2021, 11, 1818-1826.	11.2	43
5	Computational Chemistry Driven Solution to Rubriflordilactone B. <i>Organic Letters</i> , 2016, 18, 6420-6423.	4.6	42
6	A theoretical study of the Duff reaction: insights into its selectivity. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10496-10501.	2.8	26
7	A Hydrogen Bond Rationale for the Enantioselective β^2 -Alkenylboration of Enones Catalyzed by <i>O</i> -Monoacyltartaric Acids. <i>Journal of Organic Chemistry</i> , 2014, 79, 6754-6758.	3.2	25
8	Kinetic resolution of sulfur-stereogenic sulfoximines by Pd(<i>scp</i>)-MPAA catalyzed C-H arylation and olefination. <i>Chemical Science</i> , 2021, 12, 14863-14870.	7.4	22
9	Diels-Alder reactions of pinacol alkenylboronates: an experimental and theoretical study. <i>RSC Advances</i> , 2014, 4, 36385-36400.	3.6	17
10	Mechanistic insight into the acid-catalyzed isomerization of biomass-derived polysubstituted pyrrolidines: an experimental and DFT study. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 426-434.	2.8	12
11	Theoretical investigation of the Diels-Alder reactions of unsaturated boronates. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3733.	2.8	11
12	β -Hydroxyacids accelerate the Diels-Alder reaction of dibutyl vinylboronate with cyclopentadiene: experimental results and mechanistic insights. <i>New Journal of Chemistry</i> , 2016, 40, 1966-1969.	2.8	10
13	Reactivity and Selectivity of Boron-Substituted Alkenes in the Diels-Alder Reaction with Cyclopentadiene. A Study of the Electron Charge Density and Its Laplacian. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5559-5570.	2.5	6
14	Thermal decomposition of hexamethylenetetramine: mechanistic study and identification of reaction intermediates via a computational and NMR approach. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7374-7378.	2.8	6
15	Looking at the big picture in activation strain model/energy decomposition analysis: the case of the <i>ortho</i> - <i>para</i> regioselectivity rule in Diels-Alder reactions. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1104-1111.	2.8	4
16	Synthesis of axially chiral biaryl thioglycosides through thiosugar-directed Pd-catalyzed asymmetric C-H activation. <i>Chemical Communications</i> , 2021, 57, 10355-10358.	4.1	2