

# Nicolas Grimblat

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Diastereoselective Pd-Catalyzed Anomeric C(sp <sup>3</sup> )-H Activation: Synthesis of $\hat{\pm}$ -(Hetero)aryl C-Glycosides. <i>ACS Catalysis</i> , 2021, 11, 1818-1826.	11.2	43
3	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
4	Kinetic resolution of sulfur-stereogenic sulfoximines by Pd(MPAA) catalyzed C-H arylation and olefination. <i>Chemical Science</i> , 2021, 12, 14863-14870.	7.4	22
5	Looking at the big picture in activation strain model/energy decomposition analysis: the case of the ortho-para regioselectivity rule in Diels-Alder reactions. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1104-1111.	2.8	4
6	Combining the Power of J-Coupling and DP4 Analysis on Stereochemical Assignments: The J-DP4 Methods. <i>Organic Letters</i> , 2019, 21, 4003-4007.	4.6	106
7	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
8	Computational Chemistry Driven Solution to Rubrifloridilactone B. <i>Organic Letters</i> , 2016, 18, 6420-6423.	4.6	42
9	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
10	A theoretical study of the Duff reaction: insights into its selectivity. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10496-10501.	2.8	26
11	$\hat{\pm}$ -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
12	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
13	Diels-Alder reactions of pinacol alkenylboronates: an experimental and theoretical study. <i>RSC Advances</i> , 2014, 4, 36385-36400.	3.6	17
14	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
15	A Hydrogen Bond Rationale for the Enantioselective $\hat{2}$ -Alkenylboration of Enones Catalyzed by O-Monoacyltartaric Acids. <i>Journal of Organic Chemistry</i> , 2014, 79, 6754-6758.	3.2	25
16	Theoretical investigation of the Diels-Alder reactions of unsaturated boronates. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3733.	2.8	11