

# MarÃ-a Marta Zanardi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5815392/publications.pdf>

Version: 2024-02-01

15  
papers

1,406  
citations

759055

12  
h-index

996849

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1288  
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.	1.7	890
2	A critical review on the use of DP4+ in the structural elucidation of natural products: the good, the bad and the ugly. A practical guide. <i>Natural Product Reports</i> , 2022, 39, 58-76.	5.2	85
3	Recent Applications of Levoglucosenone as Chiral Synthone. <i>Current Organic Synthesis</i> , 2012, 9, 439-459.	0.7	81
4	GIAO <sup>13</sup> C COSY Simulations Merged with Artificial Neural Networks Pattern Recognition Analysis. Pushing the Structural Validation a Step Forward. <i>Journal of Organic Chemistry</i> , 2015, 80, 9371-9378.	1.7	69
5	Sensitivity Analysis of DP4+ with the Probability Distribution Terms: Development of a Universal and Customizable Method. <i>Journal of Organic Chemistry</i> , 2021, 86, 8544-8548.	1.7	61
6	Determination of the Relative Configuration of Terminal and Spiroepoxides by Computational Methods. Advantages of the Inclusion of Unscaled Data. <i>Journal of Organic Chemistry</i> , 2017, 82, 1873-1879.	1.7	51
7	Redefining the Impact of Boltzmann Analysis in the Stereochemical Assignment of Polar and Flexible Molecules by NMR Calculations. <i>Organic Letters</i> , 2020, 22, 52-56.	2.4	45
8	ML-DP4: An Integrated Quantum Mechanics-Machine Learning Approach for Ultrafast NMR Structural Elucidation. <i>Organic Letters</i> , 2022, 24, 7487-7491.	2.4	29
9	General Quantum-Based NMR Method for the Assignment of Absolute Configuration by Single or Double Derivatization: Scope and Limitations. <i>Journal of Organic Chemistry</i> , 2018, 83, 11839-11849.	1.7	21
10	The Risks of Automation: A Study on DFT Energy Miscalculations and Its Consequences in NMR-based Structural Elucidation. <i>Organic Letters</i> , 2020, 22, 3561-3565.	2.4	19
11	Synthesis of a simple chiral auxiliary derived from levoglucosenone and its application in a Diels-Alder reaction. <i>Tetrahedron Letters</i> , 2009, 50, 999-1002.	0.7	16
12	Synthesis of new chiral 1,3-aminoalcohols derived from levoglucosenone and their application in asymmetric alkylations. <i>Tetrahedron Letters</i> , 2015, 56, 3762-3765.	0.7	13
13	On the effect of intramolecular H-bonding in the configurational assessment of polyhydroxylated compounds with computational methods. The hyacinthacines case. <i>Carbohydrate Research</i> , 2019, 474, 72-79.	1.1	10
14	New chiral 1,2-aminoalcohols derived from biomass and their application in diethyl zinc additions. <i>Tetrahedron Letters</i> , 2014, 55, 5832-5835.	0.7	9
15	Efficient Production of the Flavoring Agent Zingerone and of both (R)- and (S)-Zingerols via Green Fungal Biocatalysis. Comparative Antifungal Activities between Enantiomers. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22042-22058.	1.8	7