

# Marcos Hernández-Rodríguez

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

430  
citations

759233

12  
h-index

752698

20  
g-index

30  
all docs

30  
docs citations

30  
times ranked

622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water clusters as bifunctional catalysts in organic chemistry: the hydrolysis of oxirane and its methyl derivatives. Organic and Biomolecular Chemistry, 2021, 19, 6776-6780.	2.8	9
2	Bifunctional squaramides with benzyl-like fragments: analysis of CH $\cdots$ N interactions by a multivariate linear regression model and quantum chemical topology. Organic Chemistry Frontiers, 2021, 8, 3217-3227.	4.5	5
3	Stereocontrolled Synthesis of Enantiopure <i>cis</i> -Fused Octahydroisindolones via Chiral Oxazoloisindolone Lactams. Journal of Organic Chemistry, 2021, 86, 16361-16368.	3.2	2
4	Stability of doubly and triply H-bonded complexes governed by acidity–basicity relationships. Chemical Communications, 2019, 55, 1556-1559.	4.1	13
5	The effect of chiral <i>N</i> -substituents with methyl or trifluoromethyl groups on the catalytic performance of mono- and bifunctional thioureas. Organic and Biomolecular Chemistry, 2019, 17, 10045-10051.	2.8	8
6	Acidity and basicity interplay in amide and imide self-association. Chemical Science, 2018, 9, 4402-4413.	7.4	28
7	Identification of (1 <i>S</i> ,4 <i>S</i> )-2,5-diazabicyclo[2.2.1]heptane-dithiocarbamate-nitrostyrene hybrid as potent antiproliferative and apoptotic inducing agent against cervical cancer cell lines. European Journal of Medicinal Chemistry, 2018, 146, 621-635.	5.5	14
8	Prolinamides of Aminouracils, Organocatalyst Modifiable by Complementary Modules. European Journal of Organic Chemistry, 2018, 2018, 5763-5772.	2.4	4
9	Thousand-fold Conductivity Increase in 2D Perovskites by Polydiacetylene Incorporation and Doping. Angewandte Chemie, 2018, 130, 14078-14082.	2.0	17
10	Thousand-fold Conductivity Increase in 2D Perovskites by Polydiacetylene Incorporation and Doping. Angewandte Chemie - International Edition, 2018, 57, 13882-13886.	13.8	65
11	Simple method to estimate relative hydrogen bond basicities of amides and imides in chloroform. Journal of Molecular Structure, 2018, 1173, 608-611.	3.6	4
12	The bifunctional catalytic role of water clusters in the formation of acid rain. Chemical Communications, 2017, 53, 3516-3519.	4.1	24
13	Stereodivergent Mannich reaction of bis(trimethylsilyl)ketene acetals with <i>N</i> -tert-butanefulfinyl imines by Lewis acid or Lewis base activation, a one-pot protocol to obtain chiral $\beta$ -amino acids. Organic and Biomolecular Chemistry, 2017, 15, 7705-7709.	2.8	8
14	Design and application of a bifunctional organocatalyst guided by electron density topological analyses. Catalysis Science and Technology, 2017, 7, 4470-4477.	4.1	10
15	Hydrogen-Bond Weakening through $\pi$ Systems: Resonance-Impaired Hydrogen Bonds (RIHB). Chemistry - A European Journal, 2017, 23, 16605-16611.	3.3	20
16	Stereocontrolled Nucleophilic Addition to Five-Membered Oxocarbenium Ions Directed by the Protecting Groups. Application to the Total Synthesis of (+)-Varitriol and of Two Diastereoisomers Thereof. Journal of Organic Chemistry, 2017, 82, 8464-8475.	3.2	10
17	Bifunctional Thioureas with $\beta$ -Trifluoromethyl or Methyl Groups: Comparison of Catalytic Performance in Michael Additions. Journal of Organic Chemistry, 2016, 81, 7419-7431.	3.2	25
18	Preferred Binding of Carboxylates by Chiral Urea Derivatives Containing $\beta$ -Phenylethyl Group. Helvetica Chimica Acta, 2016, 99, 416-424.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Sensitivity of the Mitochondrial Unspecific Channel of <i>Saccharomyces cerevisiae</i> to Butane-1,4-Bisphosphate, a Competitive Inhibitor of Fructose-1,6-Bisphosphate-Aldolase.. ChemistrySelect, 2016, 1, 2930-2934.	1.5	2
20	Application of acyclic chiral auxiliaries on alkylation reactions. Tetrahedron Letters, 2014, 55, 193-196.	1.4	7
21	Synthesis of Ranolazine Derivatives Containing the (1 <i>S</i> ,4 <i>S</i> )-2,5-Diazabicyclo[2.2.1]Heptane Moiety and Their Evaluation as Vasodilating Agents. Chemical Biology and Drug Design, 2014, 83, 710-720.	3.2	5
22	Recognition of chiral carboxylates by 1,3-disubstituted thioureas with 1-arylethyl scaffolds. New Journal of Chemistry, 2013, 37, 2610.	2.8	22
23	Mapping the Landscape of Potentially Primordial Informational Oligomers: (3- <sup>2</sup> Phosphoglyceric Acid Linked Acyclic Oligonucleotides Tagged with 2,4-Di-substituted 5-Aminopyrimidines as Recognition Elements. Chemistry - an Asian Journal, 2011, 6, 1252-1262.	1.5	12
24	Asymmetric Synthesis of 1-(9-Anthracenyl)ethylamine and Its Trifluoromethyl Analogue via Nucleophilic Addition to an N-(tert-Butylsulfinyl)imine. Synthesis, 2011, 2011, 2817-2821.	2.3	12
25	Synthesis of Novel Chiral (Thio)ureas and Their Application as Organocatalysts and Ligands in Asymmetric Synthesis. Australian Journal of Chemistry, 2008, 61, 364.	0.9	17
26	Structurally simple chiral thioureas as chiral solvating agents in the enantiodiscrimination of $\alpha$ -hydroxy and $\alpha$ -amino carboxylic acids. Tetrahedron, 2007, 63, 7673-7678.	1.9	48
27	Synthesis and conformational analysis of chiral ureas incorporating N-1-phenylethyl groups. Manifestation of allylic 1,3-strain. Journal of Physical Organic Chemistry, 2005, 18, 792-799.	1.9	13
28	Synthesis of New Chiral Derivatives of N,N-Dimethylpropyleneurea (DMPU) and Examination of Their Influence on the Regio- and Enantioselectivity of Addition of 2-(1,3-Dithianyl)lithium to Cyclohex-2-en-1-one. Helvetica Chimica Acta, 2002, 85, 1999.	1.6	23