

# Sergio Gil-Caballero

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

501  
citations

759233  
12  
h-index

794594  
19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

769  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytochrome c speeds up caspase cascade activation by blocking 14-3-3 $\mu$ -dependent Apaf-1 inhibition. <i>Cell Death and Disease</i> , 2018, 9, 365.	6.3	88
2	NMR Methods for the Study of Intrinsically Disordered Proteins Structure, Dynamics, and Interactions: General Overview and Practical Guidelines. <i>Advances in Experimental Medicine and Biology</i> , 2015, 870, 49-122.	1.6	69
3	IPAP $\pi$ -HSQMBC: Measurement of long-range heteronuclear coupling constants from spin-state selective multiplets. <i>Journal of Magnetic Resonance</i> , 2010, 207, 312-321.	2.1	44
4	Accurate measurement of small heteronuclear coupling constants from pure-phase $\hat{I}_\pm/\hat{I}_z^2$ HSQMBC cross-peaks. <i>Journal of Magnetic Resonance</i> , 2011, 213, 145-150.	2.1	43
5	Site-Selective and Product Chemoselective Aliphatic C $\pi$ -H Bond Hydroxylation of Polyhydroxylated Substrates. <i>ACS Catalysis</i> , 2020, 10, 4702-4709.	11.2	40
6	Structure-Guided Minimalist Redesign of the $\alpha$ -D-Glucose-1-Phosphate Aldolase Active Site: Expedient Synthesis of Novel Polyhydroxylated Pyrrolizidines and their Inhibitory Properties Against Glycosidases and Intestinal Disaccharidases. <i>Chemistry - A European Journal</i> , 2010, 16, 10691-10706.	3.3	39
7	Di-(R,R)-1-[10-(1-hydroxy-2,2,2-trifluoroethyl)-9-anthryl]-2,2,2-trifluoroethyl Muconate: A Highly Chiral Cavity for Enantiodiscrimination by NMR. <i>Journal of Organic Chemistry</i> , 2006, 71, 8114-8120.	3.2	27
8	Glycodendrimers as Chondroitin Sulfate Mimetics: Synthesis and Binding to Growth Factor Midkine. <i>Chemistry - A European Journal</i> , 2017, 23, 11338-11345.	3.3	26
9	Probing Conformational Exchange Dynamics in a Short-Lived Protein Folding Intermediate by Real-Time Relaxation-Dispersion NMR. <i>Journal of the American Chemical Society</i> , 2017, 139, 1065-1068.	13.7	21
10	HNCA+, HNCO+, and HNCACB+ experiments: improved performance by simultaneous detection of orthogonal coherence transfer pathways. <i>Journal of Biomolecular NMR</i> , 2014, 60, 1-9.	2.8	19
11	Interactions between a Heparin Trisaccharide Library and FGF-1 Analyzed by NMR Methods. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1293.	4.1	13
12	Molecular tweezers for enantiodiscrimination in NMR: Di-(R,R)-1-[10-(1-hydroxy-2,2,2-trifluoroethyl)-9-anthryl]-2,2,2-trifluoroethyl benzenedicarboxylate. <i>Chirality</i> , 2010, 22, 548-556.	2.0	12
13	Measurement of long-range proton-carbon coupling constants from pure in-phase 1D multiplets. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, 502-507.	1.9	10
14	D-Amino Acid-Containing Lipopeptides Derived from the Lead Peptide BP100 with Activity against Plant Pathogens. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6631.	4.1	10
15	Longitudinal relaxation properties of $^1\text{H}$ N and $^1\text{H}/\pi$ determined by direct-detected $^{13}\text{C}$ NMR experiments to study intrinsically disordered proteins (IDPs). <i>Journal of Magnetic Resonance</i> , 2015, 254, 19-26.	2.1	8
16	Fragment-Based NMR Study of the Conformational Dynamics in the bHLH Transcription Factor Ascl1. <i>Biophysical Journal</i> , 2017, 112, 1366-1373.	0.5	8
17	Selective 1D HCH experiment: a fast NMR tool that connect protons belonging to different spin systems. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, 301-306.	1.9	6
18	Improved NMR methods for the direct $^{13}\text{C}$ -satellite-selective excitation in overlapped $^1\text{H}$ -NMR spectra. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, 121-132.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Peptide Conjugates Derived from flg15, Pep13, and PIP1 That Are Active against Plant-Pathogenic Bacteria and Trigger Plant Defense Responses. Applied and Environmental Microbiology, 0, , .	3.1	1