

Josep SaurÀ-

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3691394/publications.pdf>

Version: 2024-02-01

55
papers

1,088
citations

471509

17
h-index

454955

30
g-index

61
all docs

61
docs citations

61
times ranked

1158
citing authors

#	ARTICLE	IF	CITATIONS
1	Unequivocal determination of complex molecular structures using anisotropic NMR measurements. <i>Science</i> , 2017, 356, .	12.6	124
2	Homodimericin A: A Complex Hexacyclic Fungal Metabolite. <i>Journal of the American Chemical Society</i> , 2016, 138, 12324-12327.	13.7	97
3	Pure In-Phase Heteronuclear Correlation NMR Experiments. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8379-8382.	13.8	55
4	Unequivocal determination of caulamidines A and B: application and validation of new tools in the structure elucidation tool box. <i>Chemical Science</i> , 2018, 9, 307-314.	7.4	55
5	Homodecoupled 1,1- and 1,1- ADEQUATE: Pivotal NMR Experiments for the Structure Revision of Cryptospirolepine. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10160-10164.	13.8	49
6	A Definitive NMR Solution for a Simple and Accurate Measurement of the Magnitude and the Sign of Small Heteronuclear Coupling Constants on Protonated and Non-Protonated Carbon Atoms. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3919-3922.	13.8	44
7	C-C Cleavage Approach to C-H Functionalization of Saturated Aza-Cycles. <i>ACS Catalysis</i> , 2020, 10, 2929-2941.	11.2	43
8	Implementing homo- and heterodecoupling in region-selective HSQMBC experiments. <i>Journal of Magnetic Resonance</i> , 2014, 238, 63-69.	2.1	37
9	CLIP-HSQMBC: easy measurement of small proton-carbon coupling constants in organic molecules. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4473.	2.8	30
10	Characterization and Synthesis of Eudistidine C, a Bioactive Marine Alkaloid with an Intriguing Molecular Scaffold. <i>Journal of Organic Chemistry</i> , 2016, 81, 10631-10640.	3.2	30
11	Pyonitrins A-D: Chimeric Natural Products Produced by <i>Pseudomonas protegens</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 17098-17101.	13.7	27
12	Enhancing the utility of 1JCH coupling constants in structural studies through optimized DFT analysis. <i>Chemical Communications</i> , 2019, 55, 5781-5784.	4.1	26
13	Characterization by Empirical and Computational Methods of Dictyospiromide, an Intriguing Antioxidant Alkaloid from the Marine Alga <i>Dictyota coriacea</i> . <i>Organic Letters</i> , 2019, 21, 7577-7581.	4.6	24
14	Extending long-range heteronuclear NMR connectivities by HSQMBC-COSY and HSQMBC-TOCSY experiments. <i>Journal of Magnetic Resonance</i> , 2015, 258, 25-32.	2.1	19
15	Improving the performance of 1J-modulated ADEQUATE experiments through homonuclear decoupling and non-uniform sampling. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 191-197.	1.9	19
16	Straightforward measurement of individual 1J(CH) and 2J(HH) in diastereotopic CH2 groups. <i>Journal of Magnetic Resonance</i> , 2014, 242, 33-40.	2.1	18
17	Discovery and Optimization of Rationally Designed Bicyclic Inhibitors of Human Arginase to Enhance Cancer Immunotherapy. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 582-588.	2.8	18
18	Jizanpeptins, Cyanobacterial Protease Inhibitors from a <i>Symploca</i> sp. Cyanobacterium Collected in the Red Sea. <i>Journal of Natural Products</i> , 2018, 81, 1417-1425.	3.0	17

#	ARTICLE	IF	CITATIONS
19	P.E.HSQMBC: Simultaneous measurement of proton-proton and proton-carbon coupling constants. <i>Journal of Magnetic Resonance</i> , 2012, 224, 101-106.	2.1	16
20	On the interference of J_{HH} modulation in HSQMBC-PAP and HMBC-PAP experiments. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 509-516.	1.9	16
21	Efficient and fast sign-sensitive determination of heteronuclear coupling constants. <i>Journal of Magnetic Resonance</i> , 2013, 236, 66-69.	2.1	16
22	Selecting the Most Appropriate NMR Experiment to Access Weak and/or Very Long-Range Heteronuclear Correlations. <i>Journal of Natural Products</i> , 2016, 79, 1400-1406.	3.0	16
23	The Discovery of Two Novel Classes of 5,5-Bicyclic Nucleoside-Derived PRMT5 Inhibitors for the Treatment of Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3911-3939.	6.4	16
24	Efficient measurement of the sign and the magnitude of long-range proton-carbon coupling constants from a spin-state-selective HSQMBC-COSY experiment. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 717-721.	1.9	15
25	Observation of potentially troublesome $^2J_{CC}$ correlations in 1,1-ADEQUATE spectra. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 341-345.	1.9	15
26	Turning Spiroketal Inside Out: A Rearrangement Triggered by an Enol Ether Epoxidation. <i>ChemistryOpen</i> , 2015, 4, 577-580.	1.9	13
27	A Comprehensive Discussion of 1H HMBC Pulse Sequences: 4. Establishing Two-Bond Correlations from 1H HMBC and Related Experiments. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2015, 44A, 227-251.	0.5	13
28	Additional pitfalls of using 1,1-ADEQUATE for structure elucidation. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 897-900.	1.9	12
29	Divergent and Regioselective Synthesis of Pyrazolo[1,5- <i>a</i>]pyridines and Imidazo[1,5- <i>a</i>]pyridines. <i>Organic Letters</i> , 2021, 23, 4694-4698.	4.6	11
30	Structure-Based Discovery of Proline-Derived Arginase Inhibitors with Improved Oral Bioavailability for Immuno-Oncology. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1380-1388.	2.8	11
31	Implementing multiplicity editing in selective HSQMBC experiments. <i>Journal of Magnetic Resonance</i> , 2015, 252, 170-175.	2.1	10
32	Band-Selective 2D HSQMBC: A Universal Technique for Detection and Measurement of $^{35,37}Cl$ Isotope Effects for ^{13}C Nuclei. <i>Organic Letters</i> , 2016, 18, 4786-4789.	4.6	10
33	Trichophycins B-F, Chlorovinylidene-Containing Polyketides Isolated from a Cyanobacterial Bloom. <i>Journal of Organic Chemistry</i> , 2018, 83, 13256-13266.	3.2	10
34	Carbon Multiplicity Editing in Long-Range Heteronuclear Correlation NMR Experiments: A Valuable Tool for the Structure Elucidation of Natural Products. <i>Journal of Natural Products</i> , 2015, 78, 2236-2241.	3.0	9
35	Cyanobufalins: Cardioactive Toxins from Cyanobacterial Blooms. <i>Journal of Natural Products</i> , 2018, 81, 2576-2581.	3.0	9
36	New variants of the ADEQUATE experiments. <i>Annual Reports on NMR Spectroscopy</i> , 2019, 98, 1-56.	1.5	9

#	ARTICLE	IF	CITATIONS
37	Comprehensive Strategies to Bicyclic Prolines: Applications in the Synthesis of Potent Arginase Inhibitors. ACS Medicinal Chemistry Letters, 2021, 12, 1678-1688.	2.8	9
38	Simultaneous determination of the magnitude and the sign of multiple heteronuclear coupling constants in ¹⁹ F or ³¹ P-containing compounds. Magnetic Resonance in Chemistry, 2015, 53, 427-432.	1.9	7
39	Structure elucidation of uniformly ¹³ C labeled small molecule natural products. Magnetic Resonance in Chemistry, 2015, 53, 996-1002.	1.9	7
40	How to measure long-range proton-carbon coupling constants from ¹ H-selective HSQMBBC experiments. Magnetic Resonance in Chemistry, 2020, 58, 363-375.	1.9	7
41	Development of a Flexible and Robust Synthesis of Tetrahydrofuro[3,4- <i>b</i>]furan Nucleoside Analogues. Journal of Organic Chemistry, 2021, 86, 5142-5151.	3.2	7
42	Incorporating BIRD-based homodecoupling in the dual-optimized, inverted 1JCC1,n-ADEQUATE experiment. Magnetic Resonance in Chemistry, 2018, 56, 1029-1036.	1.9	6
43	Simultaneous measurement of J(HH) and two different ⁿ J(CH) coupling constants from a single multiply edited 2D cross-peak. Magnetic Resonance in Chemistry, 2013, 51, 397-402.	1.9	5
44	Structure elucidation of uniformly ¹³ C labeled small molecule natural products. Magnetic Resonance in Chemistry, 2015, 53, i.	1.9	5
45	Observation of untoward ³ J_{cc} correlations in 1,1-ADEQUATE spectra of pyrimidine analogs: Avoiding potential interpretation pitfalls. Magnetic Resonance in Chemistry, 2018, 56, 775-781.	1.9	5
46	Suberitamides A-C, Aryl Alkaloids from a Pseudosuberites sp. Marine Sponge that Inhibit Cbl-b Ubiquitin Ligase Activity. Marine Drugs, 2020, 18, 536.	4.6	5
47	LR-HSQMBBC versus LR-selHSQMBBC: Enhancing the Observation of Tiny Long-Range Heteronuclear NMR Correlations. Journal of Natural Products, 2020, 83, 1275-1282.	3.0	5
48	Chapter 9. Nuclear Magnetic Resonance Experiments Applicable to the Elucidation and Characterization of Alkaloid Structures Part I: Direct ¹ H- ¹³ C Heteronuclear Shift Correlation and Establishing Contiguous Protonated Carbon Spin Systems. , 2016, , 315-357.		5
49	Process Safety Considerations for the Supply of a High-Energy Oxadiazole IDO1-Selective Inhibitor. Organic Process Research and Development, 2019, 23, 1178-1190.	2.7	4
50	Structural elucidation of a dimeric impurity in the process development of ceftolozane using LC/HRMS and 2D-NMR. Journal of Pharmaceutical and Biomedical Analysis, 2019, 174, 242-247.	2.8	3
51	Identification of ortho-Substituted Benzoic Acid/Ester Derivatives via the Gas-Phase Neighboring Group Participation Effect in (+)-ESI High Resolution Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2018, 29, 694-703.	2.8	1
52	LR-selHSQMBBC: Simultaneous Detection and Quantification of Very Weak Long-Range Heteronuclear NMR Correlations. ChemPhysChem, 2020, 21, 280-283.	2.1	1
53	Chapter 10. Nuclear Magnetic Resonance Experiments Applicable to the Elucidation and Characterization of Alkaloid Structures Part II: Advanced Techniques for the Identification of Adjacent Carbons Using H2BC, 1,1-ADEQUATE, and Variants. , 2016, , 358-402.		1
54	Turning Spiroketal Inside Out: A Rearrangement Triggered by an Enol Ether Epoxidation. ChemistryOpen, 2015, 4, 542-542.	1.9	0

#	ARTICLE	IF	CITATIONS
55	NMR of natural products. Magnetic Resonance in Chemistry, 2021, 59, 499-499.	1.9	0