

# Jonathan Farjon

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,157  
citations

394421

19  
h-index

414414

32  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of new psychoactive substances by integrating benchtop NMR to multi-technique databases. <i>Drug Testing and Analysis</i> , 2022, 14, 1629-1638.	2.6	7
2	Multi-scale benchtop <sup>1</sup> H NMR spectroscopy for milk analysis. <i>LWT - Food Science and Technology</i> , 2021, 139, 110557.	5.2	11
3	Recent advances in benchtop NMR spectroscopy and its applications. <i>Annual Reports on NMR Spectroscopy</i> , 2021, 103, 191-258.	1.5	16
4	Development of a continuous flow synthesis of FGIN-1-27 enabled by in-line <sup>19</sup> F NMR analyses and optimization algorithms. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1983-1992.	3.7	3
5	High-field and benchtop NMR spectroscopy for the characterization of new psychoactive substances. <i>Forensic Science International</i> , 2021, 321, 110718.	2.2	21
6	Multinuclear NMR in polypeptide liquid crystals: Three fertile decades of methodological developments and analytical challenges. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2020, 116, 85-154.	7.5	50
7	Real-time benchtop NMR spectroscopy for the online monitoring of sucrose hydrolysis. <i>LWT - Food Science and Technology</i> , 2020, 118, 108832.	5.2	16
8	Gradient-based pulse sequences for benchtop NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2020, 319, 106810.	2.1	18
9	Merging Gradient-Based Methods to Improve Benchtop NMR Spectroscopy: A New Tool for Flow Reaction Optimization. <i>ChemPhysChem</i> , 2020, 21, 2311-2319.	2.1	4
10	Using benchtop NMR spectroscopy as an online non-invasive in vivo lipid sensor for microalgae cultivated in photobioreactors. <i>Process Biochemistry</i> , 2020, 93, 63-68.	3.7	17
11	Non-Heme Fe <sup>II</sup> Diastereomeric Complexes Bearing a Hexadentate Ligand: Unexpected Consequences for the Spin State and Catalytic Oxidation Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 12405-12411.	3.3	7
12	Benchtop flow NMR spectroscopy as an online device for the in vivo monitoring of lipid accumulation in microalgae. <i>Algal Research</i> , 2019, 43, 101624.	4.6	18
13	Deciphering preferred geometries of pyridylmethylamines-based complexes: A robust strategy combining NMR, DFT and X-ray. <i>Inorganica Chimica Acta</i> , 2019, 498, 119070.	2.4	3
14	Highly Resolved Pure Shift Spectra on a Compact NMR Spectrometer. <i>ChemPhysChem</i> , 2019, 20, 736-744.	2.1	16
15	Monitoring Conformational Changes in an Enzyme Conversion Inhibitor Using Pure Shift Exchange NMR Spectroscopy. <i>ChemPhysChem</i> , 2019, 20, 1738-1746.	2.1	3
16	Benchtop NMR for the monitoring of bioprocesses. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 794-804.	1.9	14
17	Robust 1D NMR lineshape fitting using real and imaginary data in the frequency domain. <i>Journal of Magnetic Resonance</i> , 2019, 298, 91-100.	2.1	24
18	Quantification of natural products in herbal supplements: A combined NMR approach applied on goldenseal. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 165, 155-161.	2.8	13

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19	One-Pot Synthesis of Functionalized Fused Furans via a BODIPY-Catalyzed Domino Photooxygenation. Chemistry - A European Journal, 2018, 24, 4790-4793.	3.3	21
20	The FAQUIRE Approach: FAsT, QUantitative, highly Resolved and sEnsitivity Enhanced <sup>1</sup> H, <sup>13</sup> C Data. Analytical Chemistry, 2018, 90, 1845-1851.	6.5	28
21	Diffusion-ordered spectroscopy on a benchtop spectrometer for drug analysis. Journal of Pharmaceutical and Biomedical Analysis, 2018, 160, 268-275.	2.8	29
22	<sup>1</sup> H NMR analyses of enantiomeric mixtures using chiral liquid crystals. Current Opinion in Colloid and Interface Science, 2018, 33, 1-8.	7.4	15
23	How to face the low intrinsic sensitivity of 2D heteronuclear NMR with fast repetition techniques: go faster to go higher!. Magnetic Resonance in Chemistry, 2017, 55, 883-892.	1.9	9
24	An easier analysis of complex mixtures with highly resolved and sensitivity enhanced 2D quantitative NMR: application to tracking sugar phosphates in plants. Analytical Methods, 2017, 9, 2328-2333.	2.7	6
25	How to face the low intrinsic sensitivity of 2D heteronuclear NMR with fast repetition techniques: go faster to go higher!. Magnetic Resonance in Chemistry, 2017, 55, 882-882.	1.9	0
26	Synthesis of ribavirin 2'-Me-C-nucleoside analogues. Beilstein Journal of Organic Chemistry, 2017, 13, 755-761.	2.2	10
27	Deciphering the Conformational Choreography of Zinc Coordination Complexes with Standard and Novel Proton NMR Techniques Combined with DFT Methods. ChemPhysChem, 2016, 17, 1034-1045.	2.1	7
28	Sensitive, highly resolved, and quantitative <sup>1</sup> H- <sup>13</sup> C NMR data in one go for tracking metabolites in vegetal extracts. Chemical Communications, 2016, 52, 6142-6145.	4.1	39
29	Achieving high resolution and optimizing sensitivity in spatial frequency encoding NMR spectroscopy: from theory to practice. Physical Chemistry Chemical Physics, 2016, 18, 22827-22839.	2.8	8
30	Fine Tuning of <sup>12</sup> C-Peptide Foldamers: a Single Atom Replacement Holds Back the Switch from an <sup>8</sup> Helix to a <sup>12</sup> Helix. Angewandte Chemie - International Edition, 2015, 54, 10807-10810.	13.8	40
31	Pushing the limits of signal resolution to make coupling measurement easier. Chemical Communications, 2015, 51, 7939-7942.	4.1	24
32	Understand, elucidate and rationalize the coordination mode of pyrimidylmethylamines: an intertwined study combining NMR and DFT methods. Physical Chemistry Chemical Physics, 2015, 17, 8740-8749.	2.8	10
33	Fully Resolved NMR Correlation Spectroscopy. Chemistry - A European Journal, 2015, 21, 9044-9047.	3.3	48
34	Pyridylalkylamine ligands and their palladium complexes: structure and reactivity revisited by NMR. Magnetic Resonance in Chemistry, 2014, 52, 273-278.	1.9	13
35	Structure, Stability, and Catalytic Activity of Fluorine-Bridged Complexes IPr <sup>2</sup> -GaCl <sub>2</sub> (1/4-F)EF <sup>1</sup> (EF <sup>n</sup> (EF <sup>n</sup> => Tj ETQq1 1,0,784314 rgBT /O	2.3	45
36	Synthesis of a Mycobacterium tuberculosis Tetra-acylated Sulfolipid Analogue and Characterization of the Chiral Acyl Chains Using Anisotropic NAD 2D-NMR Spectroscopy. Journal of Organic Chemistry, 2013, 78, 7648-7657.	3.2	21

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37	Fast-pulsing NMR techniques for the detection of weak interactions: successful natural abundance probe of hydrogen bonds in peptides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7611.	2.8	7
38	Iron Coordination Chemistry with New Ligands Containing Triazole and Pyridine Moieties. Comparison of the Coordination Ability of the N-Donors. <i>Inorganic Chemistry</i> , 2013, 52, 691-700.	4.0	46
39	SENSASS NMR: New NMR techniques for enhancing the sensitivity and the spectral resolution of polymer supported chemicals. <i>Journal of Magnetic Resonance</i> , 2013, 237, 63-72.	2.1	3
40	Solution State Conformational Preferences of Dipeptides Derived from N-Aminoazetidinecarboxylic Acid: An Assessment of the Hydrazino Turn. <i>Journal of Organic Chemistry</i> , 2013, 78, 6031-6039.	3.2	16
41	<sup>29</sup> Si- <sup>1</sup> H IMPACT HMBC: a suitable tool for analyzing silylated derivatives. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 230-233.	1.9	4
42	SERF-filtered experiments: New enantio-selective tools for deciphering complex spectra of racemic mixtures dissolved in chiral oriented media. <i>Journal of Magnetic Resonance</i> , 2011, 210, 24-30.	2.1	18
43	Longitudinal-Relaxation-Enhanced NMR Experiments for the Study of Nucleic Acids in Solution. <i>Journal of the American Chemical Society</i> , 2009, 131, 8571-8577.	13.7	90
44	Selective NMR Excitations in Chiral Analysis. <i>Annual Reports on NMR Spectroscopy</i> , 2007, , 283-293.	1.5	23
45	Resolution enhancement in spectra of natural products dissolved in weakly orienting media with the help of <sup>1</sup> H homonuclear dipolar decoupling during acquisition: Application to <sup>1</sup> H- <sup>13</sup> C dipolar couplings measurements. <i>Journal of Magnetic Resonance</i> , 2006, 180, 72-82.	2.1	14
46	Effect of the Solvent on the Conformation of a Depsipeptide: NMR-Derived Solution Structure of Hormaomycin in DMSO from Residual Dipolar Couplings in a Novel DMSO-Compatible Alignment Medium. <i>ChemBioChem</i> , 2006, 7, 287-296.	2.6	30
47	A DMSO-Compatible Orienting Medium: Towards the Investigation of the Stereochemistry of Natural Products. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 427-429.	13.8	104
48	Heteronuclear selective refocusing 2D NMR experiments for the spectral analysis of enantiomers in chiral oriented solvents. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 594-599.	1.9	41
49	Enantiomeric excess measurements in weakly oriented chiral liquid crystal solvents through 2D <sup>1</sup> H selective refocusing experiments. <i>Journal of Magnetic Resonance</i> , 2002, 158, 169-172.	2.1	64