Jonathan Farjon

List of Publications by Year in descending order

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	A DMSO-Compatible Orienting Medium: Towards the Investigation of the Stereochemistry of Natural Products. Angewandte Chemie - International Edition, 2005, 44, 427-429.	13.8	104
2	Longitudinal-Relaxation-Enhanced NMR Experiments for the Study of Nucleic Acids in Solution. Journal of the American Chemical Society, 2009, 131, 8571-8577.	13.7	90
3	Enantiomeric excess measurements in weakly oriented chiral liquid crystal solvents through 2D 1H selective refocusing experiments. Journal of Magnetic Resonance, 2002, 158, 169-172.	2.1	64
4	Multinuclear NMR in polypeptide liquid crystals: Three fertile decades of methodological developments and analytical challenges. Progress in Nuclear Magnetic Resonance Spectroscopy, 2020, 116, 85-154.	7.5	50
5	Fully Resolved NMR Correlation Spectroscopy. Chemistry - A European Journal, 2015, 21, 9044-9047.	3.3	48
6	Iron Coordination Chemistry with New Ligands Containing Triazole and Pyridine Moieties. Comparison of the Coordination Ability of the N-Donors. Inorganic Chemistry, 2013, 52, 691-700.	4.0	46
7	Structure, Stability, and Catalytic Activity of Fluorine-Bridged Complexes IPrÂ·GaCl₂(Î¼-F)EF_{nâ€“1} (EF_n^{â€“} =) Tj ETQq1 1 0.784314 rgBT /O Organometallics, 2014, 33, 594-599.	2.3	45
8	Heteronuclear selective refocusing 2D NMR experiments for the spectral analysis of enantiomers in chiral oriented solvents. Magnetic Resonance in Chemistry, 2004, 42, 594-599.	1.9	41
9	Fine Tuning of Î²â€Peptide Foldamers: a Single Atom Replacement Holds Back the Switch from an 8â€Helix to a 12â€Helix. Angewandte Chemie - International Edition, 2015, 54, 10807-10810.	13.8	40
10	Sensitive, highly resolved, and quantitative 1Hâ€“13C NMR data in one go for tracking metabolites in vegetal extracts. Chemical Communications, 2016, 52, 6142-6145.	4.1	39
11	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. ChemBioChem, 2006, 7, 287-296.	2.6	30
12	Diffusion-ordered spectroscopy on a benchtop spectrometer for drug analysis. Journal of Pharmaceutical and Biomedical Analysis, 2018, 160, 268-275.	2.8	29
13	The FAQUIRE Approach: FAst, QUantitative, hIghly Resolved and sEnsitivity Enhanced ¹H, ¹³C Data. Analytical Chemistry, 2018, 90, 1845-1851.	6.5	28
14	Pushing the limits of signal resolution to make coupling measurement easier. Chemical Communications, 2015, 51, 7939-7942.	4.1	24
15	Robust 1D NMR lineshape fitting using real and imaginary data in the frequency domain. Journal of Magnetic Resonance, 2019, 298, 91-100.	2.1	24
16	Selective NMR Excitations in Chiral Analysis. Annual Reports on NMR Spectroscopy, 2007, , 283-293.	1.5	23
17	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
18	Oneâ€Pot Synthesis of Functionalized Fused Furans via a BODIPYâ€Catalyzed Domino Photooxygenation. Chemistry - A European Journal, 2018, 24, 4790-4793.	3.3	21

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19	High-field and benchtop NMR spectroscopy for the characterization of new psychoactive substances. Forensic Science International, 2021, 321, 110718.	2.2	21
20	SERF-filtered experiments: New enantio-selective tools for deciphering complex spectra of racemic mixtures dissolved in chiral oriented media. Journal of Magnetic Resonance, 2011, 210, 24-30.	2.1	18
21	Benchtop flow NMR spectroscopy as an online device for the in vivo monitoring of lipid accumulation in microalgae. Algal Research, 2019, 43, 101624.	4.6	18
22	Gradient-based pulse sequences for benchtop NMR spectroscopy. Journal of Magnetic Resonance, 2020, 319, 106810.	2.1	18
23	Using benchtop NMR spectroscopy as an online non-invasive in vivo lipid sensor for microalgae cultivated in photobioreactors. Process Biochemistry, 2020, 93, 63-68.	3.7	17
24	Solution State Conformational Preferences of Dipeptides Derived from N-Aminoazetidinecarboxylic Acid: An Assessment of the Hydrazino Turn. Journal of Organic Chemistry, 2013, 78, 6031-6039.	3.2	16
25	Highly Resolved Pureâ€Shift Spectra on a Compact NMR Spectrometer. ChemPhysChem, 2019, 20, 736-744.	2.1	16
26	Real-time benchtop NMR spectroscopy for the online monitoring of sucrose hydrolysis. LWT - Food Science and Technology, 2020, 118, 108832.	5.2	16
27	Recent advances in benchtop NMR spectroscopy and its applications. Annual Reports on NMR Spectroscopy, 2021, 103, 191-258.	1.5	16
28	1H NMR analyses of enantiomeric mixtures using chiral liquid crystals. Current Opinion in Colloid and Interface Science, 2018, 33, 1-8.	7.4	15
29	Resolution enhancement in spectra of natural products dissolved in weakly orienting media with the help of 1H homonuclear dipolar decoupling during acquisition: Application to 1Hâ€“13C dipolar couplings measurements. Journal of Magnetic Resonance, 2006, 180, 72-82.	2.1	14
30	Benchtop NMR for the monitoring of bioprocesses. Magnetic Resonance in Chemistry, 2019, 57, 794-804.	1.9	14
31	Pyridylalkylamine ligands and their palladium complexes: structure and reactivity revisited by NMR. Magnetic Resonance in Chemistry, 2014, 52, 273-278.	1.9	13
32	Quantification of natural products in herbal supplements: A combined NMR approach applied on goldenseal. Journal of Pharmaceutical and Biomedical Analysis, 2019, 165, 155-161.	2.8	13
33	Multi-scale benchtop 1H NMR spectroscopy for milk analysis. LWT - Food Science and Technology, 2021, 139, 110557.	5.2	11
34	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
35	Synthesis of ribavirin 2â€™-Me-C-nucleoside analogues. Beilstein Journal of Organic Chemistry, 2017, 13, 755-761.	2.2	10
36	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

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37	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
38	Fast-pulsing NMR techniques for the detection of weak interactions: successful natural abundance probe of hydrogen bonds in peptides. Organic and Biomolecular Chemistry, 2013, 11, 7611.	2.8	7
39	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
40	Nonâ€Heme Fe^{II} Diastereomeric Complexes Bearing a Hexadentate Ligand: Unexpected Consequences for the Spin State and Catalytic Oxidation Properties. Chemistry - A European Journal, 2019, 25, 12405-12411.	3.3	7
41	Characterization of new psychoactive substances by integrating benchtop NMR to multiâ€technique databases. Drug Testing and Analysis, 2022, 14, 1629-1638.	2.6	7
42	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
43	²⁹Siâ€“¹H IMPACT HMBC: a suitable tool for analyzing silylated derivatives. Magnetic Resonance in Chemistry, 2013, 51, 230-233.	1.9	4
44	Merging Gradientâ€Based Methods to Improve Benchtop NMR Spectroscopy: A New Tool for Flow Reaction Optimization. ChemPhysChem, 2020, 21, 2311-2319.	2.1	4
45	SENSASS NMR: New NMR techniques for enhancing the sensitivity and the spectral resolution of polymer supported chemicals. Journal of Magnetic Resonance, 2013, 237, 63-72.	2.1	3
46	Deciphering preferred geometries of pyridylmethylamines-based complexes: A robust strategy combining NMR, DFT and X-ray. Inorganica Chimica Acta, 2019, 498, 119070.	2.4	3
47	Monitoring Conformational Changes in an Enzyme Conversion Inhibitor Using Pure Shift Exchange NMR Spectroscopy. ChemPhysChem, 2019, 20, 1738-1746.	2.1	3
48	Development of a continuous flow synthesis of FGIN-1-27 enabled by in-line ¹⁹F NMR analyses and optimization algorithms. Reaction Chemistry and Engineering, 2021, 6, 1983-1992.	3.7	3
49	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