

Bikash Baishya

List of Publications by Year in descending order

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papers

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33
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citing authors

#	ARTICLE	IF	CITATIONS
1	NMR based CSF metabolomics in tuberculous meningitis: correlation with clinical and MRI findings. <i>Metabolic Brain Disease</i> , 2022, 37, 773-785.	2.9	3
2	Slice selective absorption-mode J-resolved NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2022, 342, 107267.	2.1	0
3	Spatially encoded polarization transfer for improving the quantitative aspect of ^1H - ^{13}C HSQC. <i>Journal of Magnetic Resonance Open</i> , 2022, 12-13, 100063.	1.1	2
4	Accelerated ^{13}C detection by concentrating the NMR sample in a biphasic solvent system. <i>Analyst</i> , 2021, 146, 6582-6591.	3.5	2
5	Pure shift HMQC: Resolution and sensitivity enhancement by bilinear rotation decoupling in the indirect and direct dimensions. <i>Journal of Magnetic Resonance</i> , 2020, 311, 106684.	2.1	4
6	^1H NMR-Based Metabolic Signatures in the Liver and Brain in a Rat Model of Hepatic Encephalopathy. <i>Journal of Proteome Research</i> , 2020, 19, 3668-3679.	3.7	5
7	Identification of metabolites in coriander seeds (<i>Coriandrum Sativum L.</i>) aided by ultrahigh resolution total correlation NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 304-316.	1.9	12
8	DQF J-RES NMR: Suppressing the singlet signals for improving the J-RES spectra from complex mixtures. <i>Journal of Magnetic Resonance</i> , 2019, 301, 19-29.	2.1	4
9	A Triple Layer of Immiscible Solvents for NMR Sample Preparation: Enhanced Sensitivity and Reduced Deuterated Solvent. <i>ChemistrySelect</i> , 2019, 4, 12928-12937.	1.5	1
10	Insight into old and new pure shift nuclear magnetic resonance methods for enantiodiscrimination. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 876-892.	1.9	13
11	Perfecting band selective homo-decoupling for decoupling two signals coupled within the same band. <i>RSC Advances</i> , 2018, 8, 19990-19999.	3.6	9
12	Analyses of Complex Mixtures by ^1H Homodecoupled Diagonal Suppressed Total Correlation Spectroscopy. <i>ChemPhysChem</i> , 2017, 18, 3076-3082.	2.1	2
13	Parallel acquisition of slice-selective ^1H - ^1H soft COSY spectra. <i>Journal of Magnetic Resonance</i> , 2017, 284, 80-85.	2.1	4
14	Altered metabolites of the rat hippocampus after mild and moderate traumatic brain injury – a combined <i>in vivo</i> and <i>in vitro</i> ^1H -MRS study. <i>NMR in Biomedicine</i> , 2017, 30, e3764.	2.8	20
15	Real-time bilinear rotation decoupling in absorptive mode J-spectroscopy: Detecting low-intensity metabolite peak close to high-intensity metabolite peak with convenience. <i>Journal of Magnetic Resonance</i> , 2016, 266, 51-58.	2.1	12
16	Real-time Band-selective Homonuclear Proton Decoupling for Improving Sensitivity and Resolution in Phase-sensitive J-resolved Spectroscopy. <i>ChemPhysChem</i> , 2015, 16, 2687-2691.	2.1	20
17	Elimination of Zero-Quantum artifacts and sensitivity enhancement in perfect echo based 2D NOESY. <i>Journal of Magnetic Resonance</i> , 2015, 252, 41-48.	2.1	15
18	Diagonal free homonuclear correlation using heteronuclei at natural abundance. <i>Journal of Magnetic Resonance</i> , 2015, 256, 52-59.	2.1	3

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19	Super-resolved parallel MRI by spatiotemporal encoding. <i>Magnetic Resonance Imaging</i> , 2014, 32, 60-70.	1.8	25
20	â€œPerfect echoâ€•INEPT: More efficient heteronuclear polarization transfer by refocusing homonuclear J-coupling interaction. <i>Journal of Magnetic Resonance</i> , 2014, 242, 143-154.	2.1	23
21	â€œPerfect Echoâ€•HMQC: Sensitivity and resolution enhancement by broadband homonuclear decoupling. <i>Journal of Magnetic Resonance</i> , 2013, 234, 67-74.	2.1	13
22	Transverse Relaxation of Scalar Coupled Protons in Magnetic Resonance of Non-Deuterated Proteins. <i>Applied Magnetic Resonance</i> , 2012, 42, 353-361.	1.2	2
23	Quenching homonuclear couplings in magnetic resonance by trains of non-refocusing pulses. <i>Journal of Magnetic Resonance</i> , 2011, 211, 240-242.	2.1	8
24	Transverse Relaxation of Scalarâ€•Coupled Protons. <i>ChemPhysChem</i> , 2010, 11, 3343-3354.	2.1	15
25	Apparent Transverse Relaxation Rates in Systems with Scalar-Coupled Protons. <i>Journal of the American Chemical Society</i> , 2009, 131, 17538-17539.	13.7	21
26	Chapter 4 Analyses of Proton NMR Spectra of Strongly and Weakly Dipolar Coupled Spins: Special Emphasis on Spectral Simplification, Chiral Discrimination, and Discerning of Degenerate Transitions. <i>Annual Reports on NMR Spectroscopy</i> , 2009, 67, 331-423.	1.5	17
27	Simplifying the Complex ¹ H NMR Spectra of Fluorine-Substituted Benzamides by Spin System Filtering and Spin-State Selection: Multiple-Quantumâ€•Single-Quantum Correlation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 10526-10532.	2.5	23
28	Separation and Complete Analyses of the Overlapped and Unresolved ¹ H NMR Spectra of Enantiomers by Spin Selected Correlation Experiments. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5658-5669.	2.5	19
29	Spin selective multiple quantum NMR for spectral simplification, determination of relative signs, and magnitudes of scalar couplings by spin state selection. <i>Journal of Chemical Physics</i> , 2007, 127, 214510.	3.0	31
30	Spin State Selective Detection of Single Quantum Transitions Using Multiple Quantum Coherence:â€•% Simplifying the Analyses of Complex NMR Spectra. <i>Journal of Physical Chemistry A</i> , 2007, 111, 5211-5217.	2.5	19
31	Enantiomeric Discrimination by Double Quantum Excited Selective Refocusing (DQ-SERF) Experiment. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12403-12410.	2.6	28