Bikash Baishya

List of Publications by Year
in descending order

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31	375	687363 13	794594 19
papers	citations	h-index	g-index

33	33	33	332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spin selective multiple quantum NMR for spectral simplification, determination of relative signs, and magnitudes of scalar couplings by spin state selection. Journal of Chemical Physics, 2007, 127, 214510.	3.0	31
2	Enantiomeric Discrimination by Double Quantum Excited Selective Refocusing (DQ-SERF) Experiment. Journal of Physical Chemistry B, 2007, 111, 12403-12410.	2.6	28
3	Super-resolved parallel MRI by spatiotemporal encoding. Magnetic Resonance Imaging, 2014, 32, 60-70.	1.8	25
4	Simplifying the Complex 1H NMR Spectra of Fluorine-Substituted Benzamides by Spin System Filtering and Spin-State Selection: Multiple-Quantumâ^'Single-Quantum Correlation. Journal of Physical Chemistry A, 2008, 112, 10526-10532.	2.5	23
5	â€œPerfect echoâ€•INEPT: More efficient heteronuclear polarization transfer by refocusing homonuclear J-coupling interaction. Journal of Magnetic Resonance, 2014, 242, 143-154.	2.1	23
6	Apparent Transverse Relaxation Rates in Systems with Scalar-Coupled Protons. Journal of the American Chemical Society, 2009, 131, 17538-17539.	13.7	21
7	Realâ€Time Bandâ€Selective Homonuclear Proton Decoupling for Improving Sensitivity and Resolution in Phaseâ€Sensitive Jâ€Resolved Spectroscopy. ChemPhysChem, 2015, 16, 2687-2691.	2.1	20
8	Altered metabolites of the rat hippocampus after mild and moderate traumatic brain injury â€“ a combined in vivo and in vitro¹Hâ€“MRS study. NMR in Biomedicine, 2017, 30, e3764.	2.8	20
9	Spin State Selective Detection of Single Quantum Transitions Using Multiple Quantum Coherence:â€‰ Simplifying the Analyses of Complex NMR Spectra. Journal of Physical Chemistry A, 2007, 111, 5211-5217.	2.5	19
10	Separation and Complete Analyses of the Overlapped and Unresolved ¹H NMR Spectra of Enantiomers by Spin Selected Correlation Experiments. Journal of Physical Chemistry A, 2008, 112, 5658-5669.	2.5	19
11	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. Annual Reports on NMR Spectroscopy, 2009, 67, 331-423.	1.5	17
12	Transverse Relaxation of Scalarâ€Coupled Protons. ChemPhysChem, 2010, 11, 3343-3354.	2.1	15
13	Elimination of Zero-Quantum artifacts and sensitivity enhancement in perfect echo based 2D NOESY. Journal of Magnetic Resonance, 2015, 252, 41-48.	2.1	15
14	â€œPerfect Echoâ€•HMQC: Sensitivity and resolution enhancement by broadband homonuclear decoupling. Journal of Magnetic Resonance, 2013, 234, 67-74.	2.1	13
15	Insight into old and new pure shift nuclear magnetic resonance methods for enantiodiscrimination. Magnetic Resonance in Chemistry, 2018, 56, 876-892.	1.9	13
16	Real-time bilinear rotation decoupling in absorptive mode J-spectroscopy: Detecting low-intensity metabolite peak close to high-intensity metabolite peak with convenience. Journal of Magnetic Resonance, 2016, 266, 51-58.	2.1	12
17	Identification of metabolites in coriander seeds (Coriandrum Sativum L.) aided by ultrahigh resolution total correlation NMR spectroscopy. Magnetic Resonance in Chemistry, 2019, 57, 304-316.	1.9	12
18	Perfecting band selective homo-decoupling for decoupling two signals coupled within the same band. RSC Advances, 2018, 8, 19990-19999.	3.6	9

#	Article	IF	Citations
19	Quenching homonuclear couplings in magnetic resonance by trains of non-refocusing pulses. Journal of Magnetic Resonance, 2011, 211, 240-242.	2.1	8
20	¹H NMR-Based Metabolic Signatures in the Liver and Brain in a Rat Model of Hepatic Encephalopathy. Journal of Proteome Research, 2020, 19, 3668-3679.	3.7	5
21	Parallel acquisition of slice-selective 1H-1H soft COSY spectra. Journal of Magnetic Resonance, 2017, 284, 80-85.	2.1	4
22	DQF J-RES NMR: Suppressing the singlet signals for improving the J-RES spectra from complex mixtures. Journal of Magnetic Resonance, 2019, 301, 19-29.	2.1	4
23	Pure shift HMQC: Resolution and sensitivity enhancement by bilinear rotation decoupling in the indirect and direct dimensions. Journal of Magnetic Resonance, 2020, 311, 106684.	2.1	4
24	Diagonal free homonuclear correlation using heteronuclei at natural abundance. Journal of Magnetic Resonance, 2015, 256, 52-59.	2.1	3
25	NMR based CSF metabolomics in tuberculous meningitis: correlation with clinical and MRI findings. Metabolic Brain Disease, 2022, 37, 773-785.	2.9	3
26	Transverse Relaxation of Scalar Coupled Protons in Magnetic Resonance of Non-Deuterated Proteins. Applied Magnetic Resonance, 2012, 42, 353-361.	1.2	2
27	Analyses of Complex Mixtures by F₁ Homoâ€Decoupled Diagonal Suppressed Total Correlation Spectroscopy. ChemPhysChem, 2017, 18, 3076-3082.	2.1	2
28	Accelerated ¹³C detection by concentrating the NMR sample in a biphasic solvent system. Analyst, The, 2021, 146, 6582-6591.	3.5	2
29	Spatially encoded polarization transfer for improving the quantitative aspect of 1Hâ€“13C HSQC. Journal of Magnetic Resonance Open, 2022, 12-13, 100063.	1.1	2
30	A Triple Layer of Immiscible Solvents for NMR Sample Preparation: Enhanced Sensitivity and Reduced Deuterated Solvent. ChemistrySelect, 2019, 4, 12928-12937.	1.5	1
31	Slice selective absorption-mode J-resolved NMR spectroscopy. Journal of Magnetic Resonance, 2022, 342, 107267.	2.1	0