

Krishna Kishor Dey

List of Publications by Year in descending order

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36
papers

1,439
citations

394286

19
h-index

345118

36
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36
all docs

36
docs citations

36
times ranked

1340
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the effect of an anionic side-chain on the nuclear spin dynamics of a polysaccharide. Cellulose, 2022, 29, 1381-1392.	2.4	5
2	MicroBioChemoMechanicalSystems: Micromotors, Microfluidics, and Nanozymes for Biomedical Applications. Advanced Materials, 2021, 33, e2007465.	11.1	60
3	Structure and dynamics of sodium alginate as elucidated by chemical shift anisotropy and site-specific spin lattice relaxation time measurements. European Biophysics Journal, 2021, 50, 963-977.	1.2	5
4	Study of the Variation of the Electronic Distribution and Motional Dynamics of Two Independent Molecules of an Asymmetric Unit of Atorvastatin Calcium by Solid-State NMR Measurements. ACS Omega, 2021, 6, 22752-22764.	1.6	4
5	Study of the structure and dynamics at various parts of the antibacterial drug molecule cefpodoxime proxetil. Solid State Nuclear Magnetic Resonance, 2021, 115, 101752.	1.5	4
6	Probing Atomistic Behavior To Unravel Dielectric Phenomena in Charge Transfer Cocrystals. Journal of the American Chemical Society, 2021, 143, 1024-1037.	6.6	35
7	A Description of the Local Structure and Dynamics of Ketoconazole Molecule by Solid-State NMR Measurements and DFT Calculations: Proposition for NMR Crystallography. ChemistrySelect, 2021, 6, 10208-10220.	0.7	4
8	Understanding the effect of deacetylation on chitin by measuring chemical shift anisotropy tensor and spin lattice relaxation time. Chemical Physics Letters, 2020, 738, 136782.	1.2	22
9	An atomic resolution description of folic acid using solid state NMR measurements. RSC Advances, 2020, 10, 24973-24984.	1.7	13
10	Understanding the correlation between structure and dynamics of clocortolone pivalate by solid state NMR measurement. RSC Advances, 2020, 10, 4310-4321.	1.7	15
11	Investigation of the Structure and Dynamics of Antiviral Drug Adefovir Dipivoxil by Site-Specific Spin Lattice Relaxation Time Measurements and Chemical Shift Anisotropy Tensor Measurements. ACS Omega, 2020, 5, 29373-29381.	1.6	11
12	Determination of chemical shift anisotropy tensor and molecular correlation time of proton pump inhibitor omeprazole by solid state NMR measurements. New Journal of Chemistry, 2020, 44, 19393-19403.	1.4	9
13	Determination of the correlation between the structure and dynamics of deflazacort by solid state NMR measurements. New Journal of Chemistry, 2020, 44, 18419-18430.	1.4	11
14	Understanding the structure and dynamics of anti-inflammatory corticosteroid dexamethasone by solid state NMR spectroscopy. RSC Advances, 2020, 10, 37564-37575.	1.7	9
15	Investigation of the internal structure and dynamics of cellulose by ¹³ C-NMR relaxometry and 2DPASS-MAS-NMR measurements. Journal of Biomolecular NMR, 2019, 73, 601-616.	1.6	23
16	Study of the effect of enzymatic deconstruction on natural cellulose by NMR measurements. Chemical Physics Letters, 2019, 727, 105-115.	1.2	21
17	A comprehensive and comparative study of the internal structure and dynamics of natural keratin and regenerated keratin by solid state NMR measurements. ACS Omega, 2019, 4, 21627-21635.	1.5	25
18	Investigation of the Detailed Internal Structure and Dynamics of Itraconazole by Solid-State NMR Measurements. ACS Omega, 2019, 4, 21627-21635.	1.6	18

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19	Elucidating the internal structure and dynamics of χ chitin by 2DPASS-MAS-NMR and spin-lattice relaxation measurements. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 97, 7-16.	1.5	27
20	Structural, optical, and nuclear magnetic resonance studies of V2O5-doped lead calcium titanate borosilicate glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 126, 17-26.	1.9	24
21	Synthesis, structural, optical and solid state NMR study of lead bismuth titanate borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 503-504, 288-296.	1.5	20
22	Exothermicity Is Not a Necessary Condition for Enhanced Diffusion of Enzymes. <i>Nano Letters</i> , 2017, 17, 4415-4420.	4.5	77
23	Enhanced Diffusion of Passive Tracers in Active Enzyme Solutions. <i>Nano Letters</i> , 2017, 17, 4807-4812.	4.5	43
24	Impulsive Enzymes: A New Force in Mechanobiology. <i>Cellular and Molecular Bioengineering</i> , 2015, 8, 106-118.	1.0	27
25	Two-dimensional NMR measurement and point dipole model prediction of paramagnetic shift tensors in solids. <i>Journal of Chemical Physics</i> , 2015, 142, 014201.	1.2	21
26	Micromotors Powered by Enzyme Catalysis. <i>Nano Letters</i> , 2015, 15, 8311-8315.	4.5	227
27	Vanadium in Borosilicate Glass. <i>Journal of the American Ceramic Society</i> , 2015, 98, 88-96.	1.9	27
28	Identification of the Zn Substitution Sites in $LaZnO_{12}$ from ^{27}Al Solid-State NMR Studies. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2990-2995.	1.9	2
29	Self-powered enzyme micropumps. <i>Nature Chemistry</i> , 2014, 6, 415-422.	6.6	228
30	Perfect Echo-HMQC: Sensitivity and resolution enhancement by broadband homonuclear decoupling. <i>Journal of Magnetic Resonance</i> , 2013, 234, 67-74.	1.2	13
31	Sideband separation experiments in NMR with phase incremented echo train acquisition. <i>Journal of Chemical Physics</i> , 2013, 138, 174203.	1.2	29
32	Enzyme Molecules as Nanomotors. <i>Journal of the American Chemical Society</i> , 2013, 135, 1406-1414.	6.6	282
33	Trading sensitivity for information: Carr-Purcell-Meiboom-Gill acquisition in solid-state NMR. <i>Journal of Chemical Physics</i> , 2010, 133, 054501.	1.2	21
34	Optimum excitation of enhanced central transition populations. <i>Journal of Magnetic Resonance</i> , 2009, 200, 334-339.	1.2	17
35	Spectral editing in solid-state MAS NMR of quadrupolar nuclei using selective satellite inversion. <i>Journal of Magnetic Resonance</i> , 2007, 185, 326-330.	1.2	55
36	Use of spatial encoding in NMR photography. <i>Journal of Magnetic Resonance</i> , 2004, 171, 359-363.	1.2	5