Ana Karina Chattah

List of Publications by Year
in descending order

38 papers	674 citations	516710 16 h-index	610901 24 g-index
38 all docs	38 docs citations	38 times ranked	829 citing authors

#	Article	IF	Citations
1	Emergent decoherence induced by quantum chaos in a many-body system: A Loschmidt echo observation through NMR. Physical Review A, 2022, 105, .	2.5	10
2	Exploring solid forms of oxytetracycline hydrochloride. International Journal of Pharmaceutics, 2020, 585, 119496.	5.2	9
3	Evaluating ternary systems with oligosaccharides as a strategy to improve the biopharmaceutical properties of furosemide. Materials Science and Engineering C, 2020, 111, 110793.	7.3	2
4	Investigating a Soluble Pharmaceutical Salt: Albendazole Hydrochloride. Crystal Growth and Design, 2019, 19, 4538-4545.	3.0	14
5	Furosemide:Triethanolamine Salt as a Strategy To Improve the Biopharmaceutical Properties and Photostability of the Drug. Crystal Growth and Design, 2019, 19, 2060-2068.	3.0	14
6	Inclusion complexes of Î²-cyclodextrin and polymorphs of mebendazole: Physicochemical characterization. European Journal of Pharmaceutical Sciences, 2019, 127, 330-338.	4.0	13
7	Generation and Stability of the gem-Diol Forms in Imidazole Derivatives Containing Carbonyl Groups. Solid-State NMR and Single-Crystal X-ray Diffraction Studies. Journal of Physical Chemistry A, 2018, 122, 601-609.	2.5	23
8	Improving the Stability and the Pharmaceutical Properties of Norfloxacin Form C Through Binary Complexes with Î²-Cyclodextrin. AAPS PharmSciTech, 2018, 19, 2255-2263.	3.3	11
9	Toward novel antiparasitic formulations: Complexes of Albendazole desmotropes and Î²-cyclodextrin. Carbohydrate Polymers, 2017, 164, 379-385.	10.2	15
10	Preparation of Chloramphenicol/Amino Acid Combinations Exhibiting Enhanced Dissolution Rates and Reduced Drug-Induced Oxidative Stress. AAPS PharmSciTech, 2017, 18, 2910-2918.	3.3	13
11	Evolution of multiple quantum coherences with scaled dipolar Hamiltonian. Journal of Magnetic Resonance, 2017, 281, 75-81.	2.1	3
12	Application of 1-Dimensional and 2-Dimensional Solid-State Nuclear Magnetic Resonance Spectroscopy to the Characterization of Morphine, Morphine Hydrochloride, and Their Hydrates. Journal of Pharmaceutical Sciences, 2017, 106, 3033-3040.	3.3	4
13	Stability of furosemide polymorphs and the effects of complex formation with Î²-cyclodextrin and maltodextrin. Carbohydrate Polymers, 2016, 152, 598-604.	10.2	10
14	Quantum dynamics of excitations and decoherence in many-spin systems detected with Loschmidt echoes: its relation to their spreading through the Hilbert space. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150155.	3.4	15
15	gem-Diol and Hemiacetal Forms in Formylpyridine and Vitamin-B6-Related Compounds: Solid-State NMR and Single-Crystal X-ray Diffraction Studies. Journal of Physical Chemistry A, 2016, 120, 7778-7785.	2.5	16
16	Experimental quantification of decoherence via the Loschmidt echo in a many spin system with scaled dipolar Hamiltonians. Journal of Chemical Physics, 2015, 143, 164308.	3.0	11
17	Solid-state Studies of the Crystalline/Amorphous Character in Linear Poly(ethylenimine) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.8	25
18	Investigating Albendazole Desmotropes by Solid-State NMR Spectroscopy. Molecular Pharmaceutics, 2015, 12, 731-741.	4.6	42

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19	Influence of Î²-cyclodextrin on the Properties of Norfloxacin Form A. AAPS PharmSciTech, 2015, 16, 683-691.	3.3	16
20	Improving furosemide polymorphs properties through supramolecular complexes of Î²-cyclodextrin. Journal of Pharmaceutical and Biomedical Analysis, 2014, 95, 139-145.	2.8	30
21	Clustering and decoherence of correlated spins under double quantum dynamics. Physical Review A, 2014, 90, .	2.5	24
22	Water and Membrane Dynamics in Suspensions of Lipid Vesicles Functionalized with Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.6	8
23	Solid-State Nuclear Magnetic Resonance in Pharmaceutical Compounds. Annual Reports on NMR Spectroscopy, 2014, , 221-269.	1.5	22
24	Supramolecular complexes of maltodextrin and furosemide polymorphs: a new approach for delivery systems. Carbohydrate Polymers, 2013, 94, 292-300.	10.2	32
25	Insights into Novel Supramolecular Complexes of Two Solid Forms of Norfloxacin and Î²-Cyclodextrin. Journal of Pharmaceutical Sciences, 2013, 102, 3717-3724.	3.3	30
26	Insights into the coordination sphere of copper ion in polymers containing carboxylic acid and azole groups. Polymer, 2013, 54, 5214-5221.	3.8	16
27	¹H and ²H NMR Spinâ€“Lattice Relaxation Probing Water: PEG Molecular Dynamics in Solution. Journal of Physical Chemistry B, 2012, 116, 11953-11958.	2.6	17
28	Synthesis and characterization of novel polyampholyte and polyelectrolyte polymers containing imidazole, triazole or pyrazole. Polymer, 2012, 53, 1288-1297.	3.8	23
29	Enalapril:Î²-CD complex: Stability enhancement in solid state. Carbohydrate Polymers, 2011, 86, 716-721.	10.2	22
30	NMR Characterization of Hydrate and Aldehyde Forms of Imidazole-2-carboxaldehyde and Derivatives. Journal of Organic Chemistry, 2010, 75, 3208-3213.	3.2	32
31	Characterization of the Solubility and Solid-State Properties of Saccharin Salts of Fluoroquinolones. Journal of Pharmaceutical Sciences, 2009, 98, 3788-3801.	3.3	48
32	New copper(II) complexes of polyampholyte and polyelectrolyte polymers: Solid-state NMR, FTIR, XRPD and thermal analyses. Polymer, 2008, 49, 5482-5489.	3.8	26
33	NMR and IR characterization of the aluminium complexes of norfloxacin and ciprofloxacin fluoroquinolones. Magnetic Resonance in Chemistry, 2007, 45, 850-859.	1.9	31
34	A method for dynamical characterization and high resolution H1-NMR in dipolar coupled systems: Application to liquid crystals. Journal of Chemical Physics, 2006, 124, 124513.	3.0	1
35	NMR polarization echoes in a nematic liquid crystal. Journal of Chemical Physics, 2004, 121, 7313-7319.	3.0	14
36	Solution and solid state properties of a set of procaine and procainamide derivatives. European Journal of Pharmaceutical Sciences, 2003, 18, 337-348.	4.0	8

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37	Many-spin quantum dynamics during cross polarization in 8CB. Journal of Chemical Physics, 2003, 119, 7943-7951.	3.0	16
38	Radiofrequency-induced temperature increase as a function of cross polarization contact time in 8CB. Magnetic Resonance in Chemistry, 2002, 40, 772-776.	1.9	8