

Jefferson Gonçalves Filgueiras

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Optimization of Dilute Acid Pretreatment for Enhanced Release of Fermentable Sugars from Sugarcane Bagasse and Validation by Biophysical Characterization. <i>Bioenergy Research</i> , 2023, 16, 416-434.	2.2	3
2	Batch and continuous adsorption of Cu(II) and Zn(II) ions from aqueous solution on bi-functionalized sugarcane-based biosorbent. <i>Environmental Science and Pollution Research</i> , 2022, 29, 26425-26448.	2.7	8
3	Differences in chemical composition and physical properties caused by industrial storage on sugarcane bagasse result in its efficient enzymatic hydrolysis. <i>Sustainable Energy and Fuels</i> , 2022, 6, 329-348.	2.5	3
4	Real-Time Monitoring Polymerization Reactions Using Dipolar Echoes in 1H Time Domain NMR at a Low Magnetic Field. <i>Molecules</i> , 2022, 27, 566.	1.7	3
5	When the order matters: Impacts of lignin removal and xylan conformation on the physical structure and enzymatic hydrolysis of sugarcane bagasse. <i>Industrial Crops and Products</i> , 2022, 180, 114708.	2.5	4
6	Liquid ammonia pretreatment optimization for improved release of fermentable sugars from sugarcane bagasse. <i>Journal of Cleaner Production</i> , 2021, 281, 123922.	4.6	20
7	Real time monitoring by time-domain NMR of ring opening metathesis copolymerization of norbornene-based red palm olein monomer with norbornene. <i>European Polymer Journal</i> , 2020, 140, 110048.	2.6	7
8	Power-optimized, time-reversal pulse sequence for a robust recovery of signals from rigid segments using time domain NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 104, 101619.	1.5	6
9	Mechanically robust cationic cellulose nanofibril 3D scaffolds with tuneable biomimetic porosity for cell culture. <i>Journal of Materials Chemistry B</i> , 2019, 7, 53-64.	2.9	22
10	Ageing and structural changes in PDMS rubber investigated by time domain NMR. <i>Polymer Degradation and Stability</i> , 2019, 166, 300-306.	2.7	11
11	Synthesis and application of sugarcane bagasse cellulose mixed esters. Part II: Removal of Co ²⁺ and Ni ²⁺ from single spiked aqueous solutions in batch and continuous mode. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 337-350.	5.0	8
12	Synthesis and application of sugarcane bagasse cellulose mixed esters. Part I: Removal of Co ²⁺ and Ni ²⁺ from single spiked aqueous solutions in batch mode using sugarcane bagasse cellulose succinate phthalate. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 678-691.	5.0	15
13	Dipolar Based NMR Methods for Probing Intermediate Regime Motions in Polymers. <i>New Developments in NMR</i> , 2019, , 271-298.	0.1	1
14	Hemocyanin facilitates lignocellulose digestion by wood-boring marine crustaceans. <i>Nature Communications</i> , 2018, 9, 5125.	5.8	29
15	Coherence orders, decoherence, and quantum metrology. <i>Physical Review A</i> , 2018, 98, .	1.0	25
16	GH43 endo-arabinanase from <i>Bacillus licheniformis</i> : Structure, activity and unexpected synergistic effect on cellulose enzymatic hydrolysis. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 7-16.	3.6	10
17	Continuous variables quantum computation over the vibrational modes of a single trapped ion. <i>Optics Communications</i> , 2017, 397, 166-174.	1.0	18
18	Dipolar filtered magic-sandwich-echoes as a tool for probing molecular motions using time domain NMR. <i>Journal of Magnetic Resonance</i> , 2017, 285, 47-54.	1.2	10

#	ARTICLE	IF	CITATIONS
19	NMR Contributions to the Study of Quantum Correlations. Quantum Science and Technology, 2017, , 517-542.	1.5	2
20	Using the quantum Zeno effect for suppression of decoherence. New Journal of Physics, 2016, 18, 013033.	1.2	28
21	Construction of arbitrary robust one-qubit operations using planar geometry. Physical Review A, 2014, 90, .	1.0	2
22	Quantum Discord Determines the Interferometric Power of Quantum States. Physical Review Letters, 2014, 112, .	2.9	204
23	Quantum delayed-choice experiment in an environment with arbitrary white noise. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 245301.	0.7	3
24	Experimental implementation of a NMR entanglement witness. Quantum Information Processing, 2012, 11, 1883-1893.	1.0	19
25	Experimental analysis of the quantum complementarity principle. Physical Review A, 2012, 85, .	1.0	64