Jefferson GonÃ§alves Filgueiras

List of Publications by Year
in descending order

25 papers	525 citations	840119 11 h-index	642321 23 g-index
25 all docs	25 docs citations	25 times ranked	685 citing authors

#	Article	IF	Citations
1	Quantum Discord Determines the Interferometric Power of Quantum States. Physical Review Letters, 2014, 112, .	2.9	204
2	Experimental analysis of the quantum complementarity principle. Physical Review A, 2012, 85, .	1.0	64
3	Hemocyanin facilitates lignocellulose digestion by wood-boring marine crustaceans. Nature Communications, 2018, 9, 5125.	5.8	29
4	Using the quantum Zeno effect for suppression of decoherence. New Journal of Physics, 2016, 18, 013033.	1.2	28
5	Coherence orders, decoherence, and quantum metrology. Physical Review A, 2018, 98, .	1.0	25
6	Mechanically robust cationic cellulose nanofibril 3D scaffolds with tuneable biomimetic porosity for cell culture. Journal of Materials Chemistry B, 2019, 7, 53-64.	2.9	22
7	Liquid ammonia pretreatment optimization for improved release of fermentable sugars from sugarcane bagasse. Journal of Cleaner Production, 2021, 281, 123922.	4.6	20
8	Experimental implementation of a NMR entanglement witness. Quantum Information Processing, 2012, 11, 1883-1893.	1.0	19
9	Continuous variables quantum computation over the vibrational modes of a single trapped ion. Optics Communications, 2017, 397, 166-174.	1.0	18
10	Synthesis and application of sugarcane bagasse cellulose mixed esters. Part I: Removal of Co2+ and Ni2+ from single spiked aqueous solutions in batch mode using sugarcane bagasse cellulose succinate phthalate. Journal of Colloid and Interface Science, 2019, 533, 678-691.	5.0	15
11	Ageing and structural changes in PDMS rubber investigated by time domain NMR. Polymer Degradation and Stability, 2019, 166, 300-306.	2.7	11
12	Dipolar filtered magic-sandwich-echoes as a tool for probing molecular motions using time domain NMR. Journal of Magnetic Resonance, 2017, 285, 47-54.	1.2	10
13	GH43 endo-arabinanase from Bacillus licheniformis: Structure, activity and unexpected synergistic effect on cellulose enzymatic hydrolysis. International Journal of Biological Macromolecules, 2018, 117, 7-16.	3.6	10
14	Synthesis and application of sugarcane bagasse cellulose mixed esters. Part II: Removal of Co2+ and Ni2+ from single spiked aqueous solutions in batch and continuous mode. Journal of Colloid and Interface Science, 2019, 552, 337-350.	5.0	8
15	Batch and continuous adsorption of Cu(II) and Zn(II) ions from aqueous solution on bi-functionalized sugarcane-based biosorbent. Environmental Science and Pollution Research, 2022, 29, 26425-26448.	2.7	8
16	Real time monitoring by time-domain NMR of ring opening metathesis copolymerization of norbornene-based red palm olein monomer with norbornene. European Polymer Journal, 2020, 140, 110048.	2.6	7
17	Power-optimized, time-reversal pulse sequence for a robust recovery of signals from rigid segments using time domain NMR. Solid State Nuclear Magnetic Resonance, 2019, 104, 101619.	1.5	6
18	When the order matters: Impacts of lignin removal and xylan conformation on the physical structure and enzymatic hydrolysis of sugarcane bagasse. Industrial Crops and Products, 2022, 180, 114708.	2.5	4

#	Article	IF	Citations
19	Quantum delayed-choice experiment in an environment with arbitrary white noise. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 245301.	0.7	3
20	Differences in chemical composition and physical properties caused by industrial storage on sugarcane bagasse result in its efficient enzymatic hydrolysis. Sustainable Energy and Fuels, 2022, 6, 329-348.	2.5	3
21	Real-Time Monitoring Polymerization Reactions Using Dipolar Echoes in 1H Time Domain NMR at a Low Magnetic Field. Molecules, 2022, 27, 566.	1.7	3
22	Optimization of Dilute Acid Pretreatment for Enhanced Release of Fermentable Sugars from Sugarcane Bagasse and Validation by Biophysical Characterization. Bioenergy Research, 2023, 16, 416-434.	2.2	3
23	Construction of arbitrary robust one-qubit operations using planar geometry. Physical Review A, 2014, 90, .	1.0	2
24	NMR Contributions to the Study of Quantum Correlations. Quantum Science and Technology, 2017, , 517-542.	1.5	2
25	Dipolar Based NMR Methods for Probing Intermediate Regime Motions in Polymers. New Developments in NMR, 2019, , 271-298.	0.1	1