

Deazevedo, Er

List of Publications by Year in descending order

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33
papers

1,325
citations

567281

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477307

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docs citations

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times ranked

2117
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A control system for performing automated time-domain NMR measurements in Bruker Minispec spectrometers. <i>IEEE Latin America Transactions</i> , 2022, 20, 1025-1031. | 1.6 | 0 |
| 2 | 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. | 9.4 | 8 |
| 3 | 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. | 9.4 | 15 |
| 4 | Structural and compositional changes in sugarcane bagasse subjected to hydrothermal and organosolv pretreatments and their impacts on enzymatic hydrolysis. <i>Industrial Crops and Products</i> , 2018, 113, 64-74. | 5.2 | 84 |
| 5 | Hemocyanin facilitates lignocellulose digestion by wood-boring marine crustaceans. <i>Nature Communications</i> , 2018, 9, 5125. | 12.8 | 29 |
| 6 | Coherence orders, decoherence, and quantum metrology. <i>Physical Review A</i> , 2018, 98, . | 2.5 | 25 |
| 7 | Defining functional diversity for lignocellulose degradation in a microbial community using multi-omics studies. <i>Biotechnology for Biofuels</i> , 2018, 11, 166. | 6.2 | 44 |
| 8 | 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. | 2.1 | 10 |
| 9 | There is more to quantum interferometry than entanglement. <i>Physical Review A</i> , 2017, 95, . | 2.5 | 11 |
| 10 | Targeted metatranscriptomics of compost-derived consortia reveals a GH11 exerting an unusual exo-1,4- β -xylanase activity. <i>Biotechnology for Biofuels</i> , 2017, 10, 254. | 6.2 | 30 |
| 11 | Folding of xylan onto cellulose fibrils in plant cell walls revealed by solid-state NMR. <i>Nature Communications</i> , 2016, 7, 13902. | 12.8 | 287 |
| 12 | NMR investigation of commercial carbon black filled vulcanized natural rubber exposed to petrodiesel/biodiesel mixtures. <i>Fuel</i> , 2016, 186, 50-57. | 6.4 | 16 |
| 13 | Observation of Time-Invariant Coherence in a Nuclear Magnetic Resonance Quantum Simulator. <i>Physical Review Letters</i> , 2016, 117, 160402. | 7.8 | 87 |
| 14 | USE OF A LINEAR LIGHT SENSOR AS A TEACHING RESOURCE FOR DEMONSTRATING PRINCIPLES OF DIFFRACTION AND SPECTROSCOPY. <i>Quimica Nova</i> , 2015, , . | 0.3 | 0 |
| 15 | Evaluating the composition and processing potential of novel sources of Brazilian biomass for sustainable biorenewables production. <i>Biotechnology for Biofuels</i> , 2014, 7, 10. | 6.2 | 87 |
| 16 | Effects of pretreatment on morphology, chemical composition and enzymatic digestibility of eucalyptus bark: a potentially valuable source of fermentable sugars for biofuel production – part 1. <i>Biotechnology for Biofuels</i> , 2013, 6, 75. | 6.2 | 108 |
| 17 | Spin coherent states in NMR quadrupolar system: experimental and theoretical applications. <i>European Physical Journal D</i> , 2013, 67, 1. | 1.3 | 11 |
| 18 | Molecular Origin of Charge Traps in Polyfluorene-Based Semiconductors. <i>Macromolecules</i> , 2013, 46, 7865-7873. | 4.8 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Avoiding Bias Effects in NMR Experiments for Heteronuclear Dipole-Dipole Coupling Determinations: Principles and Application to Organic Semiconductor Materials. <i>ChemPhysChem</i> , 2013, 14, 3146-3155. | 2.1 | 10 |
| 20 | Quantum information processing by nuclear magnetic resonance on quadrupolar nuclei. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 4770-4793. | 3.4 | 11 |
| 21 | Investigation by combined solid-state NMR and SAXS methods of the morphology and domain size in polystyrene-polyethylene oxide-polystyrene triblock copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 55-64. | 2.1 | 7 |
| 22 | Utilização de um espectrográfico de projeção como uma ferramenta para demonstrações sobre polarização da luz. <i>Química Nova</i> , 2010, 33, 1204-1210. | 0.3 | 0 |
| 23 | Molecular relaxations in polyfluorene based cast films. <i>Synthetic Metals</i> , 2009, 159, 2289-2292. | 3.9 | 2 |
| 24 | Sobre uma degenerescência acidental nos deslocamentos químicos de RMN de $^{31}\text{P}\{^1\text{H}\}$ em complexos difosfóricos de rutênio. <i>Química Nova</i> , 2008, 31, 807-812. | 0.3 | 11 |
| 25 | Construção de um espectrográfico de projeção e sua utilização em demonstrações de espectroscopia óptica. <i>Química Nova</i> , 2008, 31, 2199-2204. | 0.3 | 0 |
| 26 | Color removal by coagulation, flocculation and sedimentation from water containing humic substances with different apparent molecular sizes. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2007, 56, 327-333. | 1.4 | 7 |
| 27 | Effects of Lithium Doping on the Polymer Chain Dynamics in Siloxane/Poly(Ethylene Oxide) Ormolyte Nanocomposites: A ^{13}C and ^7Li Exchange Solid-State NMR Study. <i>Chemistry of Materials</i> , 2007, 19, 1780-1789. | 6.7 | 9 |
| 28 | Studies of the Compositions of Humic Acids from Amazonian Dark Earth Soils. <i>Environmental Science & Technology</i> , 2007, 41, 400-405. | 10.0 | 76 |
| 29 | Molecular dynamics and local molecular conformation in solid materials studied by nuclear magnetic resonance. <i>Brazilian Journal of Physics</i> , 2006, 36, 61. | 1.4 | 4 |
| 30 | Characterisation of black carbon-rich samples by ^{13}C solid-state nuclear magnetic resonance. <i>Die Naturwissenschaften</i> , 2006, 93, 447-450. | 1.6 | 32 |
| 31 | A solid-state NMR study of the fast and slow dynamics of collagen fibrils at varying hydration levels. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 276-284. | 1.9 | 88 |
| 32 | Pure-Exchange Solid-State NMR. <i>Journal of Magnetic Resonance</i> , 2000, 142, 86-96. | 2.1 | 45 |
| 33 | Principles of centerband-only detection of exchange in solid-state nuclear magnetic resonance, and extension to four-time centerband-only detection of exchange. <i>Journal of Chemical Physics</i> , 2000, 112, 8988-9001. | 3.0 | 159 |