

Walter Ricardo Brito

List of Publications by Year in descending order

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30
papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Hydrothermal synthesis, structural characterization and photocatalytic properties of Ag_2MoO_4 microcrystals: Correlation between experimental and theoretical data. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2806-2825. | 4.9 | 33 |
| 2 | Antimicrobial properties of Ag_2WO_4 rod-like microcrystals synthesized by sonochemistry and sonochemistry followed by hydrothermal conventional method. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104620. | 8.2 | 32 |
| 3 | Heterogeneous photocatalysis of Tordon 2,4-D herbicide using the phase mixture of TiO_2 . <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103501. | 6.7 | 25 |
| 4 | Facile synthesis of nTiO_2 phase mixture: Characterization and catalytic performance. <i>Materials Research Bulletin</i> , 2019, 109, 60-71. | 5.2 | 24 |
| 5 | Nanoscale stereometric evaluation of $\text{BiZn}_0.5\text{Ti}_0.5\text{O}_3$ thin films grown by RF magnetron sputtering. <i>Materials Letters</i> , 2020, 279, 128477. | 2.6 | 20 |
| 6 | Micromorphology and microtexture evaluation of poly(o-ethoxyaniline) films using atomic force microscopy and fractal analysis. <i>Journal of Polymer Research</i> , 2020, 27, 1. | 2.4 | 14 |
| 7 | Copper molybdate synthesized by sonochemistry route at room temperature as an efficient solid catalyst for esterification of oleic acid. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105541. | 8.2 | 14 |
| 8 | Recombinase polymerase amplification in the molecular diagnosis of microbiological targets and its applications. <i>Canadian Journal of Microbiology</i> , 2022, 68, 383-402. | 1.7 | 14 |
| 9 | Geometry-dependent DNA- TiO_2 immobilization mechanism: A spectroscopic approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 349-355. | 3.9 | 13 |
| 10 | Structural and Optical Properties of $\text{Ca}_{0.9}\text{Cu}_{0.01}\text{WO}_4$ Solid Solution Synthesized by Sonochemistry Method at Room Temperature. <i>Inorganic Chemistry</i> , 2020, 59, 6039-6046. | 4.0 | 13 |
| 11 | One-step enzyme-free dual electrochemical immunosensor for histidine-rich protein 2 determination. <i>RSC Advances</i> , 2021, 11, 408-415. | 3.6 | 13 |
| 12 | Evaluation of nanostructured $\text{BiZn}_0.5\text{Ti}_0.5\text{O}_3$ thin films deposited by RF magnetron sputtering. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 267, 115090. | 3.5 | 13 |
| 13 | Hydrothermal temperature dependence of CaWO_4 nanoparticles: structural, optical, morphology and photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 9776-9794. | 2.2 | 11 |
| 14 | Synthesis of $\text{Na}_2\text{Ti}_3\text{O}_7$ nanoparticles by sonochemical method for solid state electrolyte applications. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1315-1319. | 2.5 | 10 |
| 15 | Highly sensitive electrochemical immunosensor using a protein-polyvinylidene fluoride nanocomposite for human thyroglobulin. <i>Bioelectrochemistry</i> , 2021, 142, 107888. | 4.6 | 10 |
| 16 | Novel electrochemical sensor based on molecularly imprinted polymer for selective recognition of sesquiterpene β -caryophyllene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 217, 271-277. | 3.9 | 9 |
| 17 | Molecularly imprinted polymer on indium tin oxide substrate for bovine serum albumin determination. <i>Journal of Polymer Research</i> , 2022, 29, . | 2.4 | 9 |
| 18 | Spectroscopic evidence of photodegradation by ultraviolet exposure of tris(8-hydroxyquinoline) aluminum (Alq_3) thin films. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 2367-2372. | 0.6 | 8 |

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|----|--|-----|-----------|
| 19 | High CO tolerance of Pt nanoparticles synthesized by sodium borohydride in a time-domain NMR spectrometer. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 22973-22978. | 7.1 | 8 |
| 20 | Incorporation of molecularly imprinted polymer nanoparticles in electrospun polycaprolactone fibers. <i>Materials Letters</i> , 2020, 275, 128088. | 2.6 | 8 |
| 21 | Ultraviolet photodegradation of tris(8-hydroxy-quinolate) aluminum (Alq3) thin films studied by electron and laser stimulated desorption. <i>Optical Materials</i> , 2012, 35, 29-32. | 3.6 | 7 |
| 22 | Characterization of iron in airborne particulate matter. <i>Hyperfine Interactions</i> , 2014, 224, 109-119. | 0.5 | 5 |
| 23 | Calcium molybdate: Toxicity and genotoxicity assay in <i>Drosophila melanogaster</i> by SMART test. <i>Journal of Molecular Structure</i> , 2020, 1200, 127096. | 3.6 | 5 |
| 24 | Synthesis of ZnO Nanoparticles by the Sol-Gel Protein Route: A Viable and Efficient Method for Photocatalytic Degradation of Methylene Blue and Ibuprofen. <i>Journal of the Brazilian Chemical Society</i> , 0, , . | 0.6 | 5 |
| 25 | Poly(Thionine)-Modified Screen-Printed Electrodes for CA 19-9 Detection and Its Properties in Raman Spectroscopy. <i>Chemosensors</i> , 2022, 10, 92. | 3.6 | 5 |
| 26 | Nanoscale morphology and fractal analysis of TiO ₂ coatings on ITO substrate by electrodeposition. <i>Journal of Microscopy</i> , 2021, 282, 162-174. | 1.8 | 4 |
| 27 | Rietveld Refinement, Morphology, and Optical and Photoluminescence Properties of a β -Ag _{1.94} Cu _{0.06} MoO ₄ Solid Solution. <i>Inorganic Chemistry</i> , 2022, 61, 1530-1537. | 4.0 | 3 |
| 28 | Natural dyes from amazon forest: potential application in dye-sensitized solar cells. <i>Revista Materia</i> , 2021, 26, . | 0.2 | 2 |
| 29 | Solubilization, characterization, and protein coupling analysis to multiwalled carbon nanotubes. <i>High Performance Polymers</i> , 2021, 33, 338-344. | 1.8 | 1 |
| 30 | NANOTUBOS DE TITANATO DE S DIO E NANOPART CULAS DE D XIDO DE TIT NIO: S NTESE, CARACTERIZA O E APLICA O NA REMEDIA O DE EFLUENTESCONTENDO O CORANTE RODAMINA B. , 0, , 157-174. | | 0 |