

# Walter Ricardo Brito

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

338  
citations

840776

11  
h-index

940533

16  
g-index

34  
all docs

34  
docs citations

34  
times ranked

388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rietveld Refinement, Morphology, and Optical and Photoluminescence Properties of a $\text{I}^2\text{-Ag}_{1.94}\text{Cu}_{0.06}\text{MoO}_4$ Solid Solution. <i>Inorganic Chemistry</i> , 2022, 61, 1530-1537.	4.0	3
2	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
3	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
4	Molecularly imprinted polymer on indium tin oxide substrate for bovine serum albumin determination. <i>Journal of Polymer Research</i> , 2022, 29, .	2.4	9
5	Nanoscale morphology and fractal analysis of $\text{TiO}_2$ coatings on ITO substrate by electrodeposition. <i>Journal of Microscopy</i> , 2021, 282, 162-174.	1.8	4
6	Solubilization, characterization, and protein coupling analysis to multiwalled carbon nanotubes. <i>High Performance Polymers</i> , 2021, 33, 338-344.	1.8	1
7	One-step enzyme-free dual electrochemical immunosensor for histidine-rich protein 2 determination. <i>RSC Advances</i> , 2021, 11, 408-415.	3.6	13
8	Natural dyes from amazon forest: potential application in dye-sensitized solar cells. <i>Revista Materia</i> , 2021, 26, .	0.2	2
9	Hydrothermal temperature dependence of $\text{CaWO}_4$ nanoparticles: structural, optical, morphology and photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 9776-9794.	2.2	11
10	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
11	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
12	Highly sensitive electrochemical immunosensor using a protein-polyvinylidene fluoride nanocomposite for human thyroglobulin. <i>Bioelectrochemistry</i> , 2021, 142, 107888.	4.6	10
13	Hydrothermal synthesis, structural characterization and photocatalytic properties of $\text{Ag}_2\text{MoO}_4$ microcrystals: Correlation between experimental and theoretical data. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2806-2825.	4.9	33
14	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
15	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
16	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
17	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
18	Incorporation of molecularly imprinted polymer nanoparticles in electrospun polycaprolactone fibers. <i>Materials Letters</i> , 2020, 275, 128088.	2.6	8

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19	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
20	Heterogeneous photocatalysis of Tordon 2,4-D herbicide using the phase mixture of $\text{TiO}_2$ . <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103501.	6.7	25
21	Antimicrobial properties of $\text{Ag}_2\text{WO}_4$ rod-like microcrystals synthesized by sonochemistry and sonochemistry followed by hydrothermal conventional method. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104620.	8.2	32
22	Novel electrochemical sensor based on molecularly imprinted polymer for selective recognition of sesquiterpene $\beta$ -caryophyllene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 217, 271-277.	3.9	9
23	Facile synthesis of $\text{nTiO}_2$ phase mixture: Characterization and catalytic performance. <i>Materials Research Bulletin</i> , 2019, 109, 60-71.	5.2	24
24	Geometry-dependent DNA- $\text{TiO}_2$ immobilization mechanism: A spectroscopic approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 349-355.	3.9	13
25	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
26	Characterization of iron in airborne particulate matter. <i>Hyperfine Interactions</i> , 2014, 224, 109-119.	0.5	5
27	Ultraviolet photodegradation of tris(8-hydroxy-quinolate) aluminum ( $\text{Alq}_3$ ) thin films studied by electron and laser stimulated desorption. <i>Optical Materials</i> , 2012, 35, 29-32.	3.6	7
28	Spectroscopic evidence of photodegradation by ultraviolet exposure of tris(8-hydroxyquinoline) aluminum ( $\text{Alq}_3$ ) thin films. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 2367-2372.	0.6	8
29	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
30	NANOTUBOS DE TITANATO DE SÉ“DIO E NANOPARTÍCULAS DE DIÓ“XIDO DE TITÂNIO: SÂNTENSE, CARACTERIZAÇÃ“ APLICAÇÃ“ NA REMEDIAÇÃ“ DE EFLUENTESCONTENDO O CORANTE RODAMINA B. , 0, , 157-174.		0