Walter Ricardo Brito

List of Articles by Year
in descending order

40 PR articles	408 PR citations	776229 12 PR h-index	861859 18 g-index
43 documents	422 doc citations	840083 12 h-index	694 citing authors

#	Article	IF	Citations
1	Enhanced GrÃtzel Solar Cells Using Carbon Nanodots and Natural Dye. ACS Physical Chemistry Au, 2025, 5, 151-161.	3.7	1
2	Carboxylated Graphene: An Innovative Approach to Enhanced IgA-SARS-CoV-2 Electrochemical Biosensing. Biosensors, 2025, 15, 34.	4.9	3
3	Electrochemical Biosensors as Promising Methods for Diagnosis of Covid-19 â€“ A Minireview. Analytical Letters, 2024, 57, 812-828.	2.1	3
4	Electrospun poly(É›â€¢caprolactone) membranes modified with heparin and essential fatty acids for biomedical applications. Journal of Applied Polymer Science, 2024, 141, .	2.7	2
5	Tailoring the surface topography and crystallinity of EuMnO3 films: A study on sintering effects. Surfaces and Interfaces, 2024, 52, 104829.	3.2	0
6	Influence of calcination temperature on the 3D nanoscale topography of LaMnO3 thin films: A comprehensive surface analysis. Ceramics International, 2024, 50, 41747-41760.	5.4	1
7	GO@Î²-Ag₂MoO₄ Composite: One-Step Synthesis, Characterization, and Photocatalytic Performance against RhB Dye. ACS Physical Chemistry Au, 2024, 4, 632-646.	3.7	5
8	Easy and Fast Obtention of ZnO by Thermal Decomposition of Zinc Acetate and Its Photocatalytic Properties over Rhodamine B Dye. Colorants, 2024, 3, 229-252.	1.9	14
9	Morphology, microstructure, and electrocatalytical properties of sol-gel spin-coated Bi0.5Na0.5Ba(TiO3)2 thin films. Applied Surface Science, 2023, 615, 156374.	6.7	4
10	Photocatalytic Properties of PbMoO4 Nanocrystals against Cationic and Anionic Dyes in Several Experimental Conditions. Colorants, 2023, 2, 111-134.	1.9	3
11	Effects of Substitution and Substrate Strain on the Structure and Properties of Orthorhombic Eu1â^'xYxMnO3 (0 â‰¤ x â‰¤ 0.5) Thin Films. Materials, 2023, 16, 4553.	2.9	0
12	Rietveld Refinement, Morphology, and Optical and Photoluminescence Properties of a Î²-Ag_{1.94}Cu_{0.06}MoO₄ Solid Solution. Inorganic Chemistry, 2022, 61, 1530-1537.	4.6	5
13	Poly(Thionine)-Modified Screen-Printed Electrodes for CA 19-9 Detection and Its Properties in Raman Spectroscopy. Chemosensors, 2022, 10, 92.	3.4	13
14	Molecularly imprinted polymer on indium tin oxide substrate for bovine serum albumin determination. Journal of Polymer Research, 2022, 29, .	2.5	14
15	Effect of the Deposition Time on the Structural, 3D Vertical Growth, and Electrical Conductivity Properties of Electrodeposited Anataseâ€“Rutile Nanostructured Thin Films. Micromachines, 2022, 13, 1361.	2.6	2
16	Vertical Growth Dynamics and Multifractality of the Surface of Electropolymerized Poly(o-ethoxyaniline) Thin Films. Coatings, 2022, 12, 1216.	2.5	3
17	Electrochemical immunosensor for detection of Plasmodium vivax lactate dehydrogenase. Memorias Do Instituto Oswaldo Cruz, 2022, 117, .	1.5	5
18	Application of egg yolk IgY on carboxylated polypyrrole films for impedimetric detection of PfHRP2 antigen. Bioelectrochemistry, 2022, 148, 108273.	4.4	2

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19	Molecularly Imprinted Membrane Produced by Electrospinning for Î²-Caryophyllene Extraction. Materials, 2022, 15, 7275.	2.9	5
20	An Electrochemical Immunosensor Based on Carboxylated Graphene/SPCE for IgG-SARS-CoV-2 Nucleocapsid Determination. Biosensors, 2022, 12, 1161.	4.9	12
21	Nanoscale morphology and fractal analysis of TiO₂ coatings on ITO substrate by electrodeposition. Journal of Microscopy, 2021, 282, 162-174.	1.7	5
22	One-step enzyme-free dual electrochemical immunosensor for histidine-rich protein 2 determination. RSC Advances, 2021, 11, 408-415.	4.4	16
23	Natural dyes from amazon forest: potential application in dye-sensitized solar cells. Revista Materia, 2021, 26, .	0.6	5
24	Copper molybdate synthesized by sonochemistry route at room temperature as an efficient solid catalyst for esterification of oleic acid. Ultrasonics Sonochemistry, 2021, 73, 105541.	8.9	25
25	Evaluation of nanostructured BiZn0.5Ti0.5O3 thin films deposited by RF magnetron sputtering. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 267, 115090.	4.2	17
26	Highly sensitive electrochemical immunosensor using a protein-polyvinylidene fluoride nanocomposite for human thyroglobulin. Bioelectrochemistry, 2021, 142, 107888.	4.4	15
27	Hydrothermal synthesis, structural characterization and photocatalytic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>Î²</mml:mi></mml:math>-Ag2MoO4 microcrystals: Correlation between experimental and theoretical data. Arabian Journal of Chemistry, 2020, 13, 2806-2825.	5.0	45
28	Nanoscale stereometric evaluation of BiZn0.5Ti0.5O3 thin films grown by RF magnetron sputtering. Materials Letters, 2020, 279, 128477.	2.5	24
29	High CO tolerance of Pt nanoparticles synthesized by sodium borohydride in a time-domain NMR spectrometer. International Journal of Hydrogen Energy, 2020, 45, 22973-22978.	9.0	13
30	Micromorphology and microtexture evaluation of poly(o-ethoxyaniline) films using atomic force microscopy and fractal analysis. Journal of Polymer Research, 2020, 27, .	2.5	16
31	Incorporation of molecularly imprinted polymer nanoparticles in electrospun polycaprolactone fibers. Materials Letters, 2020, 275, 128088.	2.5	13
32	Structural and Optical Properties of Ca_{0.9}Cu_{0.01}WO₄ Solid Solution Synthesized by Sonochemistry Method at Room Temperature. Inorganic Chemistry, 2020, 59, 6039-6046.	4.6	17
33	Heterogeneous photocatalysis of Tordon 2,4-D herbicide using the phase mixture of TiO2. Journal of Environmental Chemical Engineering, 2019, 7, 103501.	6.1	33
34	Antimicrobial properties of Î±-Ag2WO4 rod-like microcrystals synthesized by sonochemistry and sonochemistry followed by hydrothermal conventional method. Ultrasonics Sonochemistry, 2019, 58, 104620.	8.9	49
35	Novel electrochemical sensor based on molecularly imprinted polymer for selective recognition of sesquiterpene Î²-caryophyllene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 217, 271-277.	4.3	11
36	Facile synthesis of nTiO2 phase mixture: Characterization and catalytic performance. Materials Research Bulletin, 2019, 109, 60-71.	5.3	29

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37	Geometry-dependent DNA-TiO2 immobilization mechanism: A spectroscopic approach. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 199, 349-355.	4.3	15
38	Liquid Redox Probe-Free Plastic Antibody Development for Malaria Biomarker Recognition. ACS Omega, 0, , .	4.3	0
39	Development of PCL/cellulose acetate blended membranes and modified with Libidibia ferrea extract. International Journal of Polymer Analysis and Characterization, 0, 31, 39-54.	1.6	0
40	Sterilization by Ozone: Effects on Electrospun Polycaprolactone Membrane Properties and Cell Viability. International Journal of Biomaterials, 0, 2025, .	10.1	0