

Clia R Sousa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

1,143
citations

20
h-index

32
g-index

66
ext. papers

1,279
ext. citations

5.6
avg, IF

4.07
L-index

#	Paper	IF	Citations
53	Photoelectrochemical Water Splitting: Thermal Annealing Challenges on Hematite Nanowires. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 12897-12911	3.8	12
52	Evaluation of the toxicity of nickel nanowires to freshwater organisms at concentrations and short-term exposures compatible with their application in water treatment. <i>Aquatic Toxicology</i> , 2020 , 227, 105595	5.1	4
51	Dynamical behavior of ferromagnetic nanowire arrays: From 1-D to 3-D 2020 , 559-611		1
50	The role of 3,4-dihydroxyphenylacetic acid adsorption in the oxidation of homovanillic acid at a glassy carbon rotating disc electrode. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 838, 129-135	4.1	5
49	Diffuse smoking-related lung diseases: insights from a radiologic-pathologic correlation. <i>Insights Into Imaging</i> , 2019 , 10, 73	5.6	9
48	EGCG intestinal absorption and oral bioavailability enhancement using folic acid-functionalized nanostructured lipid carriers. <i>Heliyon</i> , 2019 , 5, e02020	3.6	20
47	Bilateral common iliac artery aneurysms as cause of renal failure. <i>Intensive Care Medicine</i> , 2018 , 44, 102-103	14.5	0
46	The Role of Cu Length on the Magnetic Behaviour of Fe/Cu Multi-Segmented Nanowires. <i>Nanomaterials</i> , 2018 , 8,	5.4	21
45	Water treatment: Chitosan associated with electrochemical methods. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 191, 012008	0.4	1
44	Identifying weakly-interacting single domain states in Ni nanowire arrays by FORC. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 421-429	5.7	19
43	Contextualizaçã Histórica-Filosófica de Orbitais Atômicos e Moleculares 2017 , 16, 18		0
42	Enhanced Properties of CoSn Coatings Electrodeposited from Choline Chloride-Based Deep Eutectic Solvents. <i>Crystal Growth and Design</i> , 2017 , 17, 5208-5215	3.5	7
41	Acidity enhancement of niobia by sulfation: An experimental and DFT study. <i>Materials Chemistry and Physics</i> , 2017 , 186, 138-145	4.4	6
40	Differential pulse voltammetric determination of 4-nitroaniline using a glassy carbon electrode: comparative study between cathodic and anodic quantification. <i>Monatshefte Für Chemie</i> , 2016 , 147, 111-118	11.1	11
39	Unbiased solar energy storage: Photoelectrochemical redox flow battery. <i>Nano Energy</i> , 2016 , 22, 396-405	57.1	50
38	The effect of electrolyte re-utilization in the growth rate and morphology of TiO ₂ nanotubes. <i>Materials Letters</i> , 2016 , 171, 224-227	3.3	6
37	Tuning the magnetic properties of multisegmented Ni/Cu electrodeposited nanowires with controllable Ni lengths. <i>Nanotechnology</i> , 2016 , 27, 335301	3.4	26

36	Tin oxide as stable protective layer for composite cuprous oxide water-splitting photocathodes. <i>Nano Energy</i> , 2016 , 24, 10-16	17.1	74
35	Influence of sol-gel parameters in the fabrication of ferromagnetic La _{2/3} Ca _{1/3} MnO ₃ nanotube arrays. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015 , 200, 117-123	3.1	5
34	Study of magnetoelastic and magnetocrystalline anisotropies in Co/Ni _{1-x} nanowire arrays. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 374, 663-668	2.8	6
33	The cyclic nature of porosity in anodic TiO ₂ nanotube arrays. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3692-3698	13	11
32	Magnetocaloric effect in La _{0.7} Ca _{0.3} MnO ₃ nanotube arrays with broad working temperature span. <i>Journal of Applied Physics</i> , 2015 , 117, 104304	2.5	10
31	Modeling the Growth Kinetics of Anodic TiO ₂ Nanotubes. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 845-51	6.4	20
30	Ferromagnetic sorbents based on nickel nanowires for efficient uptake of mercury from water. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8274-80	9.5	28
29	Tailoring the Ti surface via electropolishing nanopatterning as a route to obtain highly ordered TiO ₂ nanotubes. <i>Nanotechnology</i> , 2014 , 25, 485301	3.4	8
28	Angular first-order reversal curves: an advanced method to extract magnetization reversal mechanisms and quantify magnetostatic interactions. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 116004	1.8	21
27	The role of the Ti surface roughness in the self-ordering of TiO ₂ nanotubes: a detailed study of the growth mechanism. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9067-9078	13	40
26	Direct and fast detection of Alexandrium minutum algae by using high frequency microbalance. <i>Journal of Microbiological Methods</i> , 2014 , 104, 49-54	2.8	8
25	On the stability enhancement of cuprous oxide water splitting photocathodes by low temperature steam annealing. <i>Energy and Environmental Science</i> , 2014 , 7, 4044-4052	35.4	106
24	Influence of the Electrodeposition Cathodic Potential on the Composition and Magnetic Properties of Co/Ni Nanowires. <i>Solid State Phenomena</i> , 2014 , 214, 32-39	0.4	2
23	Co nanostructures in ordered templates: comparative FORC analysis. <i>Nanotechnology</i> , 2013 , 24, 475703	3.4	42
22	Functionalization of nickel nanowires with a fluorophore aiming at new probes for multimodal bioanalysis. <i>Journal of Colloid and Interface Science</i> , 2013 , 410, 21-6	9.3	20
21	Synchrotron small angle X-ray scattering for the evaluation of the interaction of silica nanotubes with lipid membranes. <i>RSC Advances</i> , 2013 , 3, 10323	3.7	1
20	Room Temperature Magnetic Rare-Earth Iron Garnet Thin Films with Ordered Mesoporous Structure. <i>Chemistry of Materials</i> , 2013 , 25, 2527-2537	9.6	29
19	Ni growth inside ordered arrays of alumina nanopores: Enhancing the deposition rate. <i>Electrochimica Acta</i> , 2012 , 72, 215-221	6.7	65

18	Microstructure and magnetic properties of (Fe _{100-x} Co _x) _{84.5} Nb ₅ B _{8.5} P ₂ alloys. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S337-S341	5-7	5
17	Precise control of the filling stages in branched nanopores. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3110		24
16	Tailoring the physical properties of thin nanohole arrays grown on flat anodic aluminum oxide templates. <i>Nanotechnology</i> , 2012 , 23, 425701	3-4	22
15	Structural, Optical, and Magnetic Properties of Highly Ordered Mesoporous MCr ₂ O ₄ and MCr ₂ FexO ₄ (M = Co, Zn) Spinel Thin Films with Uniform 15 nm Diameter Pores and Tunable Nanocrystalline Domain Sizes. <i>Chemistry of Materials</i> , 2012 , 24, 155-165	9-6	33
14	pH sensitive silica nanotubes as rationally designed vehicles for NSAIDs delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 94, 288-95	6	19
13	Evaluation of the Energetic Valorization Potential of Polymeric and Textile Industrial Wastes. <i>Materials Science Forum</i> , 2012 , 730-732, 592-597	0-4	
12	Influence of the rest pulse duration in pulsed electrodeposition of Fe nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 9112-7	1-3	16
11	Probing the quality of Ni filled nanoporous alumina templates by magnetic techniques. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7486-90	1-3	11
10	Nanoscale Topography: A Tool to Enhance Pore Order and Pore Size Distribution in Anodic Aluminum Oxide. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8567-8572	3-8	43
9	Size and surface effects on the magnetic properties of NiO nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9561-7	3-6	115
8	Tuning pore filling of anodic alumina templates by accurate control of the bottom barrier layer thickness. <i>Nanotechnology</i> , 2011 , 22, 315602	3-4	57
7	Study of Nanostructured Array of Antidots Using Pulsed Magnetic Fields. <i>Journal of Low Temperature Physics</i> , 2010 , 159, 245-248	1-3	9
6	Delocalized versus localized magnetization reversal in template-grown Ni and nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1319-1322	2-8	14
5	Rapid synthesis of ordered manganite nanotubes by microwave irradiation in alumina templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6084-8	1-3	12
4	Nanopore formation and growth in phosphoric acid Al anodization. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5238-5240	3-9	24
3	Characterization of electrodeposited Ni and Ni ₈₀ Fe ₂₀ nanowires. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5241-5243	3-9	15
2	Preparation of compounds using RF-induction. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5292-5294	3-9	4
1	Effect of nonsteroidal anti-inflammatory drugs on the cellular membrane fluidity. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 3195-206	3-9	26

