

Clia R Sousa

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1910964/celia-r-sousa-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Size and surface effects on the magnetic properties of NiO nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9561-7	3.6	115
52	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
51	Tin oxide as stable protective layer for composite cuprous oxide water-splitting photocathodes. <i>Nano Energy</i> , 2016 , 24, 10-16	17.1	74
50	Ni growth inside ordered arrays of alumina nanopores: Enhancing the deposition rate. <i>Electrochimica Acta</i> , 2012 , 72, 215-221	6.7	65
49	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
48	Unbiased solar energy storage: Photoelectrochemical redox flow battery. <i>Nano Energy</i> , 2016 , 22, 396-405	7.1	50
47	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
46	Co nanostructures in ordered templates: comparative FORC analysis. <i>Nanotechnology</i> , 2013 , 24, 475703	3.4	42
45	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
44	Structural, Optical, and Magnetic Properties of Highly Ordered Mesoporous 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
43	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
42	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
41	Effect of nonsteroidal anti-inflammatory drugs on the cellular membrane fluidity. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 3195-206	3.9	26
40	Tuning the magnetic properties of multisegmented Ni/Cu electrodeposited nanowires with controllable Ni lengths. <i>Nanotechnology</i> , 2016 , 27, 335301	3.4	26
39	Precise control of the filling stages in branched nanopores. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3110		24
38	Nanopore formation and growth in phosphoric acid Al anodization. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5238-5240	3.9	24
37	Tailoring the physical properties of thin nanohole arrays grown on flat anodic aluminum oxide templates. <i>Nanotechnology</i> , 2012 , 23, 425701	3.4	22

36	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
35	The Role of Cu Length on the Magnetic Behaviour of Fe/Cu Multi-Segmented Nanowires. <i>Nanomaterials</i> , 2018 , 8,	5.4	21
34	EGCG intestinal absorption and oral bioavailability enhancement using folic acid-functionalized nanostructured lipid carriers. <i>Heliyon</i> , 2019 , 5, e02020	3.6	20
33	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
32	Modeling the Growth Kinetics of Anodic TiO ₂ Nanotubes. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 845-51	6.4	20
31	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
30	pH sensitive silica nanotubes as rationally designed vehicles for NSAIDs delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 94, 288-95	6	19
29	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
28	Characterization of electrodeposited Ni and Ni ₈₀ Fe ₂₀ nanowires. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5241-5243	3.9	15
27	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
26	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
25	Photoelectrochemical Water Splitting: Thermal Annealing Challenges on Hematite Nanowires. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 12897-12911	3.8	12
24	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	1.4	11
23	The cyclic nature of porosity in anodic TiO ₂ nanotube arrays. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3692-3698	1.3	11
22	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
21	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
20	Diffuse smoking-related lung diseases: insights from a radiologic-pathologic correlation. <i>Insights Into Imaging</i> , 2019 , 10, 73	5.6	9
19	Study of Nanostructured Array of Antidots Using Pulsed Magnetic Fields. <i>Journal of Low Temperature Physics</i> , 2010 , 159, 245-248	1.3	9

18	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
17	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
16	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
15	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
14	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
13	Acidity enhancement of niobia by sulfation: An experimental and DFT study. <i>Materials Chemistry and Physics</i> , 2017 , 186, 138-145	4.4	6
12	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
11	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
10	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
9	Preparation of compounds using RF-induction. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5292-5294	3.9	4
8	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
7	Influence of the Electrodeposition Cathodic Potential on the Composition and Magnetic Properties of CoNi Nanowires. <i>Solid State Phenomena</i> , 2014 , 214, 32-39	0.4	2
6	Water treatment: Chitosan associated with electrochemical methods. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 191, 012008	0.4	1
5	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
4	Dynamical behavior of ferromagnetic nanowire arrays: From 1-D to 3-D 2020 , 559-611		1
3	Contextualizaçã Históric-Filosófica de Orbitais Atômicos e Moleculares 2017 , 16, 18		0
2	Bilateral common iliac artery aneurysms as cause of renal failure. <i>Intensive Care Medicine</i> , 2018 , 44, 102-103		0
1	Evaluation of the Energetic Valorization Potential of Polymeric and Textile Industrial Wastes. <i>Materials Science Forum</i> , 2012 , 730-732, 592-597	0.4	

