

Alba Garzán-Manjón

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

771
citations

687220

13
h-index

794469

19
g-index

23
all docs

23
docs citations

23
times ranked

1181
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of a Multinary Noble Metal-Free Oxygen Reduction Catalyst. <i>Advanced Energy Materials</i> , 2018, 8, 1802269.	10.2	227
2	Toward a Paradigm Shift in Electrocatalysis Using Complex Solid Solution Nanoparticles. <i>ACS Energy Letters</i> , 2019, 4, 1206-1214.	8.8	140
3	Water oxidation electrocatalysis using ruthenium coordination oligomers adsorbed on multiwalled carbon nanotubes. <i>Nature Chemistry</i> , 2020, 12, 1060-1066.	6.6	54
4	Sodium enhances indium-gallium interdiffusion in copper indium gallium diselenide photovoltaic absorbers. <i>Nature Communications</i> , 2018, 9, 826.	5.8	51
5	Epitaxial $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ nanocomposite thin films from colloidal solutions. <i>Superconductor Science and Technology</i> , 2015, 28, 124007.	1.8	49
6	Controlling the Amorphous and Crystalline State of Multinary Alloy Nanoparticles in An Ionic Liquid. <i>Nanomaterials</i> , 2018, 8, 903.	1.9	31
7	Electrochemical dealloying as a tool to tune the porosity, composition and catalytic activity of nanomaterials. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19405-19413.	5.2	29
8	Cryo-focused ion beam preparation of perovskite based solar cells for atom probe tomography. <i>PLoS ONE</i> , 2020, 15, e0227920.	1.1	26
9	Synthesis, microstructure, and hardness of rapidly solidified Cu-Cr alloys. <i>Journal of Alloys and Compounds</i> , 2019, 794, 203-209.	2.8	24
10	Simple Synthesis of Biocompatible Stable CeO_2 Nanoparticles as Antioxidant Agents. <i>Bioconjugate Chemistry</i> , 2018, 29, 2325-2331.	1.8	21
11	Fluorescence enhancement induced by the interaction of silver nanoclusters with lead ions in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123634.	2.3	21
12	Sputter deposition of highly active complex solid solution electrocatalysts into an ionic liquid library: effect of structure and composition on oxygen reduction activity. <i>Nanoscale</i> , 2020, 12, 23570-23577.	2.8	21
13	Influence of synthesis methods on the internalization of fluorescent gold nanoparticles into glioblastoma stem-like cells. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110952.	1.5	17
14	Induced shape controllability by tailored precursor design in thermal and microwave-assisted synthesis of Fe_3O_4 nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	14
15	Synthesis of plasmonic Fe/Al nanoparticles in ionic liquids. <i>RSC Advances</i> , 2020, 10, 12891-12899.	1.7	14
16	Combinatorial Synthesis of Binary Nanoparticles in Ionic Liquids by Cosputtering and Mixing of Elemental Nanoparticles. <i>ACS Combinatorial Science</i> , 2019, 21, 743-752.	3.8	13
17	Enhanced antibacterial performance of ultrathin silver/platinum nanopatches by a sacrificial anode mechanism. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102126.	1.7	11
18	Evaluation of functional layers thinning of high temperature polymer electrolyte membrane fuel cells after long term operation. <i>Nanoscale</i> , 2022, 14, 11543-11551.	2.8	5

#	ARTICLE	IF	CITATIONS
19	Exploring stability of a nanoscale complex solid solution thin film by in situ heating transmission electron microscopy. MRS Bulletin, 2022, 47, 371-378.	1.7	3
20	Cryo-focused ion beam preparation of perovskite based solar cells for atom probe tomography. , 2020, 15, e0227920.		0
21	Cryo-focused ion beam preparation of perovskite based solar cells for atom probe tomography. , 2020, 15, e0227920.		0
22	Cryo-focused ion beam preparation of perovskite based solar cells for atom probe tomography. , 2020, 15, e0227920.		0
23	Cryo-focused ion beam preparation of perovskite based solar cells for atom probe tomography. , 2020, 15, e0227920.		0