

Albert Queralt \tilde{A}^3

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

415
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

650
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical solution route to self-assembled epitaxial oxide nanostructures. <i>Chemical Society Reviews</i> , 2014, 43, 2200.	38.1	86
2	LaFeO ₃ Nanofibers for High Detection of Sulfur-Containing Gases. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6023-6032.	6.7	46
3	Disentangling Epitaxial Growth Mechanisms of Solution Derived Functional Oxide Thin Films. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600392.	3.7	33
4	Ultrafast Epitaxial Growth Kinetics in Functional Oxide Thin Films Grown by Pulsed Laser Annealing of Chemical Solutions. <i>Chemistry of Materials</i> , 2016, 28, 6136-6145.	6.7	28
5	Intrinsic piezoelectric characterization of BiFeO ₃ nanofibers and its implications for energy harvesting. <i>Applied Surface Science</i> , 2020, 509, 144760.	6.1	26
6	Ultraviolet pulsed laser crystallization of Ba _{0.8} Sr _{0.2} TiO ₃ films on LaNiO ₃ -coated silicon substrates. <i>Ceramics International</i> , 2016, 42, 4039-4047.	4.8	23
7	Growth of ferroelectric Ba _{0.8} Sr _{0.2} TiO ₃ epitaxial films by ultraviolet pulsed laser irradiation of chemical solution derived precursor layers. <i>Applied Physics Letters</i> , 2015, 106, 262903.	3.3	22
8	Reduced graphene oxide/iron oxide nanohybrid flexible electrodes grown by laser-based technique for energy storage applications. <i>Ceramics International</i> , 2018, 44, 20409-20416.	4.8	19
9	Unveiling the Nucleation and Coarsening Mechanisms of Solution-Derived Self-Assembled Epitaxial Ce _{0.9} Gd _{0.1} O ₂ Nanostructures. <i>Crystal Growth and Design</i> , 2017, 17, 504-516.	3.0	17
10	Ultrafast Crystallization of Ce _{0.9} Zr _{0.1} O ₂ Epitaxial Films on Flexible Technical Substrates by Pulsed Laser Irradiation of Chemical Solution Derived Precursor Layers. <i>Crystal Growth and Design</i> , 2015, 15, 1957-1967.	3.0	15
11	Inorganic Nanofibers by Electrospinning Techniques and Their Application in Energy Conversion and Storage Systems. <i>Semiconductors and Semimetals</i> , 2018, 98, 1-70.	0.7	15
12	Electrospun SrNb ₂ O ₆ photoanodes from single-source precursors for photoelectrochemical water splitting. <i>Solar Energy Materials and Solar Cells</i> , 2020, 210, 110485.	6.2	15
13	MAPLE synthesis of reduced graphene oxide/silver nanocomposite electrodes: Influence of target composition and gas ambience. <i>Journal of Alloys and Compounds</i> , 2017, 726, 1003-1013.	5.5	14
14	Combinatorial Screening of Cuprate Superconductors by Drop-On-Demand Inkjet Printing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9101-9112.	8.0	13
15	Laser-induced metal organic decomposition for Ce _{0.9} Zr _{0.1} O ₂ epitaxial thin film growth. <i>Journal of Alloys and Compounds</i> , 2013, 574, 246-254.	5.5	11
16	Electrospun BiFeO ₃ Nanofibers for Vibrational Energy Harvesting Application. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	11
17	Orientation symmetry breaking in self-assembled Ce _{1-x} Gd _x O _{2-y} nanowires derived from chemical solutions. <i>RSC Advances</i> , 2016, 6, 97226-97236.	3.6	8
18	Photoelectrochemical response of Fe ₂ O ₃ films reinforced with BiFeO ₃ nanofibers. <i>MRS Communications</i> , 2018, 8, 1211-1215.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Enhanced UV-Vis Photodegradation of Nanocomposite Reduced Graphene Oxide/Ferrite Nanofiber Films Prepared by Laser-Assisted Evaporation. Crystals, 2020, 10, 271.	2.2	3
20	Defining inkjet printing conditions of superconducting cuprate films through machine learning. Journal of Materials Chemistry C, 2022, 10, 6885-6895.	5.5	3
21	High critical current solution derived YBa ₂ Cu ₃ O ₇ films grown on sapphire. Superconductor Science and Technology, 2022, 35, 054007.	3.5	3