

Andreea Costas

List of Publications by Year in descending order

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papers

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docs citations

31
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Radial heterojunction based on single ZnO-CuxO core-shell nanowire for photodetector applications. Scientific Reports, 2019, 9, 5553.	3.3	57
2	ZnO nanowires grown directly on zinc foils by thermal oxidation in air: Wetting and water adhesion properties. Materials Letters, 2016, 170, 156-159.	2.6	47
3	Photodetecting properties of single CuO@ZnO core-shell nanowires with p-n radial heterojunction. Scientific Reports, 2020, 10, 18690.	3.3	33
4	Functionalization of basalt fibers with ZnO nanostructures by electroless deposition for improving the interfacial adhesion of basalt fibers/epoxy resin composites. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106488.	7.6	33
5	Pulsed Laser Deposition of Indium Tin Oxide Thin Films on Nanopatterned Glass Substrates. Coatings, 2019, 9, 19.	2.6	32
6	Electrical properties of single CuO nanowires for device fabrication: Diodes and field effect transistors. Applied Physics Letters, 2015, 106, .	3.3	28
7	Ferroelectric Field Effect Transistors Based on PZT and IGZO. IEEE Journal of the Electron Devices Society, 2019, 7, 268-275.	2.1	28
8	Core-shell nanowire arrays based on ZnO and CuxO for water stable photocatalysts. Scientific Reports, 2019, 9, 17268.	3.3	27
9	Biomorphic 3D fibrous networks based on ZnO, CuO and ZnO@CuO composite nanostructures prepared from eggshell membranes. Materials Chemistry and Physics, 2020, 240, 122205.	4.0	21
10	Hybrid organic-inorganic thin films based on zinc phthalocyanine and zinc oxide deposited by MAPLE. Applied Surface Science, 2020, 503, 144317.	6.1	21
11	Self-connected CuO@ZnO radial core-shell heterojunction nanowire arrays grown on interdigitated electrodes for visible-light photodetectors. Scientific Reports, 2022, 12, 6834.	3.3	17
12	Field Effect Transistor with Electrodeposited ZnO Nanowire Channel. Electrochimica Acta, 2014, 137, 290-297.	5.2	15
13	High performance FETs based on ZnO nanowires synthesized by low cost methods. Nanotechnology, 2016, 27, 475303.	2.6	15
14	Versatile Actuators Based on Polypyrrole-Coated Metalized Eggshell Membranes. ACS Sustainable Chemistry and Engineering, 2018, 6, 10173-10181.	6.7	15
15	Fabrication of ZnO and TiO2 Nanotubes via Flexible Electro-Spun Nanofibers for Photocatalytic Applications. Nanomaterials, 2021, 11, 1305.	4.1	15
16	Mechanism of the cathodic process coupled to the oxidation of iron monosulfide by dissolved oxygen. Journal of Colloid and Interface Science, 2016, 467, 51-59.	9.4	13
17	Electrical properties of templateless electrodeposited ZnO nanowires. Materials Science in Semiconductor Processing, 2016, 42, 364-372.	4.0	13
18	Organic heterostructures obtained on ZnO/Ag/ZnO electrode. Vacuum, 2018, 154, 366-370.	3.5	12

#	ARTICLE	IF	CITATIONS
19	Flexible organic heterostructures obtained by MAPLE. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
20	Functionalization of eggshell membranes with CuO-ZnO based p-n junctions for visible light induced antibacterial activity against Escherichia coli. Scientific Reports, 2020, 10, 20960.	3.3	9
21	Magnetism and magnetoresistance of single Ni-Cu alloy nanowires. Beilstein Journal of Nanotechnology, 2018, 9, 2345-2355.	2.8	8
22	A straightforward route to obtain organic/inorganic hybrid network from bio-waste: Electroless deposition of ZnO nanostructures on eggshell membranes. Chemical Physics Letters, 2018, 706, 24-30.	2.6	8
23	Thin Films Based on Cobalt Phthalocyanine:C60 Fullerene:ZnO Hybrid Nanocomposite Obtained by Laser Evaporation. Nanomaterials, 2020, 10, 468.	4.1	8
24	Synthesis of Core-Double Shell Nylon-ZnO/Polypyrrole Electrospun Nanofibers. Nanomaterials, 2020, 10, 2241.	4.1	7
25	Organic Thin Films Based on DPP-DTT:C60 Blends Deposited by MAPLE. Nanomaterials, 2020, 10, 2366.	4.1	7
26	Electrical properties of single CdTe nanowires. Beilstein Journal of Nanotechnology, 2015, 6, 444-450.	2.8	5
27	MAPLE Deposition of Binary and Ternary Organic Bulk Heterojunctions Based on Zinc Phthalocyanine. Coatings, 2020, 10, 956.	2.6	5
28	Nucleobases thin films deposited on nanostructured transparent conductive electrodes for optoelectronic applications. Scientific Reports, 2021, 11, 7551.	3.3	5
29	Unidirectional Magnetic Anisotropy in Dense Vertically-Standing Arrays of Passivated Nickel Nanotubes. Nanomaterials, 2020, 10, 2444.	4.1	3
30	Metal Oxide Nanowires as Building Blocks for Optoelectronic Devices. , 0, , .		2
31	Metallic Nanowires and Nanotubes Prepared by Template Replication. Springer Series in Materials Science, 2014, , 137-165.	0.6	1