

Vasilica Tucureanu

List of Publications by Year in descending order

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45
papers

1,178
citations

840119

11
h-index

525886

27
g-index

45
all docs

45
docs citations

45
times ranked

1891
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and evaluation of nanocomposites based on transitional oxides and carbon materials for electrochemical applications. <i>Ceramics International</i> , 2022, 48, 27201-27212.	2.3	2
2	Optimized Technologies for Cointegration of MOS Transistor and Glucose Oxidase Enzyme on a Si-Wafer. <i>Biosensors</i> , 2021, 11, 497.	2.3	5
3	Effect of process parameters on YAG:Ce phosphor properties obtained by co-precipitation method. <i>Ceramics International</i> , 2020, 46, 23802-23812.	2.3	10
4	The effect of the polymeric matrix on the emission properties of YAG-based phosphors. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156136.	2.8	6
5	Single Layer Graphene and Vertical Graphene as a Promising Candidate for Electrochemical Biosensors. <i>Revista De Chimie (discontinued)</i> , 2020, 71, 24-29.	0.2	3
6	Performance of single layer graphene obtain by chemical vapor deposition on gold electrodes. <i>Diamond and Related Materials</i> , 2019, 98, 107510.	1.8	12
7	Modified solid-state process for yellow yttrium aluminum garnet synthesis. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
8	Polymer nanocomposites materials for aerospace applications. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	5
9	Investigation of graphene on quartz substrate. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4
10	Antibacterial efficiency of cellulose-based fibers covered with ZnO and Al ₂ O ₃ by Atomic Layer Deposition. <i>Applied Surface Science</i> , 2019, 481, 1287-1298.	3.1	36
11	Influence of Cu dopant on the morpho-structural and optical properties ZnO nanoparticles. <i>Ceramics International</i> , 2019, 45, 10826-10833.	2.3	13
12	Influence of the Polymeric Matrix Type on the Optical Properties of YAG:Ce,Gd Phosphor. <i>Proceedings (mdpi)</i> , 2019, 29, 3.	0.2	0
13	Multifunctional Protective Coatings of RE-ZnO Nanocomposite Deposited on Metallic Alloys. <i>Proceedings (mdpi)</i> , 2019, 29, 7.	0.2	0
14	Enhanced optical properties of YAG:Ce yellow phosphor by modification with gold nanoparticles. <i>Ceramics International</i> , 2019, 45, 7641-7648.	2.3	18
15	Superficial and Inner Examination of a Microwave-Irradiated Dental Acrylic Resin and Its Metal-Polymer Interface. <i>Microscopy and Microanalysis</i> , 2018, 24, 49-59.	0.2	2
16	Detection of Circulating Tumor Cells Using Microfluidics. <i>ACS Combinatorial Science</i> , 2018, 20, 107-126.	3.8	43
17	Embedding of yttrium based phosphors into polymeric matrix. , 2018, , .		1
18	UV protection of ultra-thin ZnO film on viscose. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Spectroscopic investigation of CVD graphene. , 2018, , .		1
20	Tunable dielectric properties in polyacrylonitrile/multiwall carbon nanotube composites. Polymer Composites, 2017, 38, 1741-1748.	2.3	11
21	Structural and luminescence properties of yellow phosphors prepared by a modified sol-gel method. MRS Communications, 2017, 7, 721-727.	0.8	11
22	Study of piezoelectric filler on the properties of PZT-PVDF composites. AIP Conference Proceedings, 2017, , .	0.3	4
23	FTIR Spectroscopy for Carbon Family Study. Critical Reviews in Analytical Chemistry, 2016, 46, 502-520.	1.8	751
24	Morphological alteration of microwave disinfected acrylic resins used for dental prostheses. , 2015, , .		0
25	Synthesis and characterization of YAG:Ce,Gd and YAG:Ce,Gd/PMMA nanocomposites for optoelectronic applications. Journal of Materials Science, 2015, 50, 1883-1890.	1.7	41
26	Isocyanate functionalized graphene/P3HT based nanocomposites. Applied Surface Science, 2013, 276, 458-467.	3.1	44
27	Formation of Transparent Nanoporous Titanium Oxide Films on Glass Substrates Using an Anodization Process. Journal of Nano Research, 2012, 16, 113-118.	0.8	2
28	Ce, Gd Codoped YAG Nanopowder for White Light Emitting Device. Journal of Nanoscience and Nanotechnology, 2012, 12, 8836-8840.	0.9	11
29	Gold Nanoparticle Uptake by Tumour Cells of B16 Mouse Melanoma. Plasmonics, 2012, 7, 717-724.	1.8	7
30	Functionalized graphene / poly 3-hexyl thiophene based nanocomposites. , 2011, , .		2
31	PREPARATION AND CHARACTERIZATION OF HYBRID NANOCOMPOSITES FILMS. Environmental Engineering and Management Journal, 2011, 10, 1277-1281.	0.2	0
32	Characterization of magnetic nanoparticles functionalized with albumin for biological applications. , 2009, , .		2
33	Electrochemical processes and characterisation of doped TiO ₂ thin films; Relationship between preparation conditions and nanostructure. , 2009, , .		1
34	Polyelectrolytes multilayers membranes for different functionalities. , 2009, , .		0
35	Self assembled monolayer of ethanethiol on gold surfaces by Quartz Crystal Microbalance. , 2009, , .		2
36	Synthesis and Characterization of Nanoporous TiO ₂ Films on Silicon Substrates for Solar Cells Applications. ECS Transactions, 2009, 25, 57-63.	0.3	1

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37	Characterization of self-assembled monolayers (SAMs) on silicon substrate comparative with polymer substrate for Escherichia coli O157:H7 detection. Applied Surface Science, 2009, 255, 8953-8959.	3.1	8
38	Preparation and characterization of TiO ₂ - polymer composite films. , 2009, , .		1
39	Preparation of titanium dioxide films by sol-gel route for gas sensors. Proceedings of SPIE, 2009, , .	0.8	2
40	Synthesis and characterization of ZnO - polymer nanocomposites. International Journal of Material Forming, 2008, 1, 767-770.	0.9	114
41	Mixed-monolayers with alkane thiol on gold as substrates for microarray applications. , 2008, , .		1
42	APTS Bio-Functionalization of Porous Silicon Nanostructured Surface. Semiconductor Conference, 2009 CAS 2009 International, 2007, , .	0.0	0
43	Advanced Laser Microprocessing for Substrates Microprocessing of Microsystems and Optoelectronics Devices Applications. Semiconductor Conference, 2009 CAS 2009 International, 2007, , .	0.0	0
44	<title>Synthesis of yttrium aluminium garnet doped with cerium for application in a new generation luminescent lighting devices</title>. , 2007, , .		0
45	Preparation of yttrium aluminum garnet doped with cerium for application in optoelectronics. , 0, , .		0