

# Alina Matei

## List of Publications by Year in descending order

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44  
papers

1,121  
citations

1039880

9  
h-index

642610

23  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1794  
citing authors

#	ARTICLE	IF	CITATIONS
1	FTIR Spectroscopy for Carbon Family Study. <i>Critical Reviews in Analytical Chemistry</i> , 2016, 46, 502-520.	1.8	751
2	Synthesis and characterization of ZnO “ polymer nanocomposites. <i>International Journal of Material Forming</i> , 2008, 1, 767-770.	0.9	114
3	Synthesis and characterization of YAG:Ce phosphors for white LEDs. <i>Opto-electronics Review</i> , 2015, 23, .	2.4	52
4	Detection of Circulating Tumor Cells Using Microfluidics. <i>ACS Combinatorial Science</i> , 2018, 20, 107-126.	3.8	43
5	Synthesis and characterization of YAG:Ce,Gd and YAG:Ce,Gd/PMMA nanocomposites for optoelectronic applications. <i>Journal of Materials Science</i> , 2015, 50, 1883-1890.	1.7	41
6	Influence of Cu dopant on the morpho-structural and optical properties ZnO nanoparticles. <i>Ceramics International</i> , 2019, 45, 10826-10833.	2.3	13
7	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
8	Ce, Gd Codoped YAG Nanopowder for White Light Emitting Device. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8836-8840.	0.9	11
9	Structural and luminescence properties of yellow phosphors prepared by a modified sol-gel method. <i>MRS Communications</i> , 2017, 7, 721-727.	0.8	11
10	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
11	Progress and control in development of single layer graphene membranes. <i>Vacuum</i> , 2020, 175, 109269.	1.6	9
12	Nafion based nanocomposite membranes with improved electric and protonic conduction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 461, 133-141.	2.3	6
13	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
14	Polymer nanocomposites materials for aerospace applications. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	5
15	Influence of electron irradiation and rapid thermal annealing on photoluminescence from GaAsNBi alloys. <i>Applied Physics Letters</i> , 2020, 117, 142106.	1.5	5
16	New technological surface microfabrication methods used to obtain microchannels based systems onto various substrates. , 0, , .		4
17	Study of piezoelectric filler on the properties of PZT-PVDF composites. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	4
18	Investigation of graphene on quartz substrate. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4

#	ARTICLE	IF	CITATIONS
19	Surface pre-treatment of aluminum alloys for the deposition of composite materials. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 263, 114874.	1.7	4
20	Antibody functionalized magnetic nanoparticles for circulating tumor cells detection and capture using magnetophoresis. IOP Conference Series: Materials Science and Engineering, 2019, 485, 012005.	0.3	3
21	Preparation of titanium dioxide films by sol-gel route for gas sensors. Proceedings of SPIE, 2009, , .	0.8	2
22	Flexible films based on graphene/polymer nanocomposite with improved electromagnetic interference shielding. , 2015, , .		2
23	Graphene Post-Processing. IOP Conference Series: Materials Science and Engineering, 2019, 485, 012027.	0.3	2
24	Preparation and evaluation of nanocomposites based on transitional oxides and carbon materials for electrochemical applications. Ceramics International, 2022, 48, 27201-27212.	2.3	2
25	Unconventional processing technique for ceramic materials. , 0, , .		1
26	Preparation and characterization of TiO <sub>2</sub> - polymer composite films. , 2009, , .		1
27	Modified solid-state process for yellow yttrium aluminum garnet synthesis. AIP Conference Proceedings, 2019, , .	0.3	1
28	Embedding of yttrium based phosphors into polymeric matrix. , 2018, , .		1
29	Spectroscopic investigation of CVD graphene. , 2018, , .		1
30	Laser patterning - innovative technology for mass production of microstructures. , 0, , .		0
31	Honeycomb textured front surface of monocrystalline silicon and borosilicate glass substrates. , 0, , .		0
32	Synthesis and characterization of indium tin oxide and cerium dioxide thin films by SOL-GEL method. , 0, , .		0
33	Sensors Microprocessing by Laser Direct Patterning (LDP) for Industrial Production. , 2006, , .		0
34	Two Alternative Low Temperature Technological Methods for Microchannels Microfabrication. , 2006, , .		0
35	Technological Methods for Low Temperature Microfluidic Devices Microfabrication. , 2007, , .		0
36	Advanced Laser Microprocessing for Substrates Microprocessing of Microsystems and Optoelectronics Devices Applications. Semiconductor Conference, 2009 CAS 2009 International, 2007, , .	0.0	0

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37	Coprecipitation Synthesis of Ag-Doped ZnO Nanopowders. , 2007, , .		0
38	<title>Preparation and characterization of indium tin oxide films by sol-gel method</title>. , 2007, , .		0
39	New technologies for microelectronics devices processing by laser locally structural modifications. , 2008, , .		0
40	Porous and RF sputtering InP for portable THz-TDS in pharmaceutical and medical applications. , 2013, , .		0
41	Integrating THz Sensors/Structures Through Electrowetting in Dielectrics (EWOD) for Security Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 85-96.	0.2	0
42	Microfluidic device for circulating tumor cell quantification and capture. AIP Conference Proceedings, 2019, , .	0.3	0
43	PREPARATION AND CHARACTERIZATION OF HYBRID NANOCOMPOSITES FILMS. Environmental Engineering and Management Journal, 2011, 10, 1277-1281.	0.2	0
44	Interaction of oxide nanoparticles with surface-active agents. , 2018, , .		0