

Marcela Socol

List of Publications by Year in descending order

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papers

696
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times ranked

828
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulsed laser deposition of transparent conductive oxide thin films on flexible substrates. <i>Applied Surface Science</i> , 2012, 260, 42-46.	6.1	62
2	Superhydrophobic properties of cotton fabrics functionalized with ZnO by electroless deposition. <i>Materials Chemistry and Physics</i> , 2013, 138, 253-261.	4.0	62
3	On the structural, morphological, optical and electrical properties of sol-gel deposited ZnO:In films. <i>Thin Solid Films</i> , 2010, 519, 573-577.	1.8	52
4	Pulsed Laser Deposition of Indium Tin Oxide Thin Films on Nanopatterned Glass Substrates. <i>Coatings</i> , 2019, 9, 19.	2.6	32
5	Composite biodegradable biopolymer coatings of silk fibroin and Poly(3-hydroxybutyric-acid-co-3-hydroxyvaleric-acid) for biomedical applications. <i>Applied Surface Science</i> , 2015, 355, 1123-1131.	6.1	30
6	Maple prepared organic heterostructures for photovoltaic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 921-928.	2.3	29
7	Oxide/metal/oxide electrodes for solar cell applications. <i>Solar Energy</i> , 2017, 146, 464-469.	6.1	25
8	Thin films of arylenevinylene oligomers prepared by MAPLE for applications in non-linear optics. <i>Applied Surface Science</i> , 2011, 257, 5298-5302.	6.1	23
9	Superhydrophobic ZnO networks with high water adhesion. <i>Nanoscale Research Letters</i> , 2014, 9, 385.	5.7	23
10	Effect of dopant on the intrinsic properties of some multifunctional aromatic compounds films for target applications. <i>Synthetic Metals</i> , 2004, 147, 215-220.	3.9	22
11	MAPLE prepared polymeric thin films for non-linear optic applications. <i>Applied Surface Science</i> , 2009, 255, 5611-5614.	6.1	22
12	Long-Term Evaluation of Dip-Coated PCL-Blend-PEG Coatings in Simulated Conditions. <i>Polymers</i> , 2020, 12, 717.	4.5	22
13	Titanium implants' surface functionalization by pulsed laser deposition of TiN, ZrC and ZrN hard films. <i>Applied Surface Science</i> , 2017, 417, 175-182.	6.1	21
14	Thickness Influence on In Vitro Biocompatibility of Titanium Nitride Thin Films Synthesized by Pulsed Laser Deposition. <i>Materials</i> , 2016, 9, 38.	2.9	19
15	Hybrid Nanocomposite Thin Films for Photovoltaic Applications: A Review. <i>Nanomaterials</i> , 2021, 11, 1117.	4.1	18
16	Optical Properties of 3,4,9,10-Perylenetetracarboxylic Dianhydride and 8-Hydroxyquinoline Aluminum Salt Films Prepared by Vacuum Deposition. <i>Materials Science Forum</i> , 2006, 514-516, 956-960.	0.3	16
17	Doped aromatic derivatives wide-gap crystalline semiconductor structured layers for electronic application. <i>Thin Solid Films</i> , 2006, 495, 389-393.	1.8	15
18	Laser Processed Antimicrobial Nanocomposite Based on Polyaniline Grafted Lignin Loaded with Gentamicin-Functionalized Magnetite. <i>Polymers</i> , 2019, 11, 283.	4.5	15

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19	Laser prepared organic heterostructures on glass/AZO substrates. Applied Surface Science, 2014, 302, 169-176.	6.1	14
20	Molecular organic crystalline matrix for hybrid organic-inorganic (nano) composite materials. Journal of Crystal Growth, 2005, 275, e1779-e1786.	1.5	12
21	Tailoring immobilization of immunoglobulin by excimer laser for biosensor applications. Journal of Biomedical Materials Research - Part A, 2011, 96A, 384-394.	4.0	12
22	Electrical transport in crystalline perylene derivatives films for electronic devices. Solid State Sciences, 2008, 10, 1762-1767.	3.2	11
23	Effect of the morphology on the optical and electrical properties of polycarbonate film doped with aniline derivatives monomers. Synthetic Metals, 2012, 161, 2589-2597.	3.9	11
24	Silicon Metalens Fabrication from Electron Beam to UV-Nanoimprint Lithography. Nanomaterials, 2021, 11, 2329.	4.1	11
25	On the Physical Properties PEDOT:PSS Thin Films. Materials Today Communications, 2020, 22, 100735.	1.9	10
26	Effect of maleic anhydride-aniline derivative buffer layer on the properties of flexible substrate heterostructures: Indium tin oxide/nucleic acid base/metal. Thin Solid Films, 2011, 520, 1251-1258.	1.8	9
27	Organic heterostructures based on arylenevinylene oligomers deposited by MAPLE. Applied Surface Science, 2014, 302, 216-222.	6.1	8
28	Thin Films Based on Cobalt Phthalocyanine:C60 Fullerene:ZnO Hybrid Nanocomposite Obtained by Laser Evaporation. Nanomaterials, 2020, 10, 468.	4.1	8
29	Optical and electrical properties of arylenevinylene compounds thin films prepared by vacuum evaporation. Synthetic Metals, 2012, 161, 2612-2617.	3.9	7
30	Organic Thin Films Based on DPP-DTT:C60 Blends Deposited by MAPLE. Nanomaterials, 2020, 10, 2366.	4.1	7
31	Organic Thin Films Deposited by Matrix-Assisted Pulsed Laser Evaporation (MAPLE) for Photovoltaic Cell Applications: A Review. Coatings, 2021, 11, 1368.	2.6	7
32	Thin Film Fabrication by Pulsed Laser Deposition from TiO ₂ Targets in O ₂ , N ₂ , He, or Ar for Dye-Sensitized Solar Cells. Coatings, 2022, 12, 293.	2.6	7
33	Surface-enhanced Raman scattering activity of niobium surface after irradiation with femtosecond laser pulses. Journal of Applied Physics, 2015, 118, .	2.5	6
34	MAPLE Deposition of Binary and Ternary Organic Bulk Heterojunctions Based on Zinc Phthalocyanine. Coatings, 2020, 10, 956.	2.6	5
35	Reduced Graphene Oxide Sheets as Inhibitors of the Photochemical Reactions of \pm -Lipoic Acid in the Presence of Ag and Au Nanoparticles. Nanomaterials, 2020, 10, 2238.	4.1	5
36	<title>Fluorescence of substituted aromatic derivatives crystalline materials for optical nonlinear applications</title>. , 2004, 5581, 600.		4

#	ARTICLE	IF	CITATIONS
37	Investigations of the Correlation between the Preparation Method and the Properties of Anilinic Derivative Functionalised Polymer Thin Films for Non-Linear Optical Applications. <i>Materials Science Forum</i> , 2010, 636-637, 798-804.	0.3	4
38	Growth and structural characterization of orthorhombic and tetragonal SrCuO ₂ thin films. <i>Applied Surface Science</i> , 2013, 278, 132-135.	6.1	4
39	Influence of Reduced Graphene Oxide on the Electropolymerization of 5-Amino-1-naphthol and the Interaction of 1,4-Phenylene Diisothiocyanate with the Poly(5-Amino-1-naphthol)/Reduced Graphene Oxide Composite. <i>Polymers</i> , 2020, 12, 1299.	4.5	4
40	Pulsed laser deposition of semiconducting crystalline double-doped barium titanate thin films on nickel substrates. <i>Applied Surface Science</i> , 2011, 257, 3570-3576.	6.1	3
41	Matrix assisted pulsed laser evaporation of Mn ₁₂ (Propionate) thin films. <i>Applied Surface Science</i> , 2012, 258, 9471-9474.	6.1	3
42	Effect of heavy ions irradiation on the properties of benzil crystals. <i>Crystal Research and Technology</i> , 2017, 52, 1700047.	1.3	3
43	Heterostructures Based on Porphyrin/Phthalocyanine Thin Films for Organic Device Applications. , 0, , .		3
44	Arylenevinylene Oligomer-Based Heterostructures on Flexible AZO Electrodes. <i>Materials</i> , 2021, 14, 7688.	2.9	3
45	Synthesis of ZnO thin films by 40 ps @ 532 nm laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 871-876.	2.3	2
46	Electro-active properties of nanostructured films of cytosine and guanine nucleobases. <i>Nanotechnology</i> , 2021, 32, 415702.	2.6	2
47	Organic Heterostructures with Indium-Free Transparent Conductor Electrode for Optoelectronic Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, .	1.8	2
48	Laser Prepared Thin Films for Optoelectronic Applications. , 2017, , .		1
49	Pulsed Laser Deposition of Transparent Conductive Oxides on UV-NIL Patterned Substrates for Optoelectronic Applications. , 0, , .		0