

Gabriel Socol

List of Publications by Year in descending order

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229
papers

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4625
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#	ARTICLE	IF	CITATIONS
1	Capacitive Photodetector Thin-Film Cells of Cu-As ₂ S ₃ -Cu as Revealed by Dielectric Spectroscopy. <i>Sensors</i> , 2022, 22, 1143.	3.8	0
2	Thin Film Fabrication by Pulsed Laser Deposition from TiO ₂ Targets in O ₂ , N ₂ , He, or Ar for Dye-Sensitized Solar Cells. <i>Coatings</i> , 2022, 12, 293.	2.6	7
3	Special Issue "Pulsed Laser Deposition of Thin Films: Recent Advances and Challenge" <i>Coatings</i> , 2022, 12, 368.	2.6	2
4	Pulsed Laser Deposition Films Based on CdSe-Doped Zinc Aluminophosphate Glass. <i>Jom</i> , 2021, 73, 495-503.	1.9	5
5	Nanostructured LiFe ₅ O ₈ by a Biogenic Method for Applications from Electronics to Medicine. <i>Nanomaterials</i> , 2021, 11, 193.	4.1	15
6	Bioactive Coatings Based on Hydroxyapatite, Kanamycin, and Growth Factor for Biofilm Modulation. <i>Antibiotics</i> , 2021, 10, 160.	3.7	15
7	Electrolyte-Dependent Modification of Resistive Switching in Anodic Hafnia. <i>Nanomaterials</i> , 2021, 11, 666.	4.1	13
8	Bioactive Ibuprofen-Loaded PLGA Coatings for Multifunctional Surface Modification of Medical Devices. <i>Polymers</i> , 2021, 13, 1413.	4.5	9
9	Nucleobases thin films deposited on nanostructured transparent conductive electrodes for optoelectronic applications. <i>Scientific Reports</i> , 2021, 11, 7551.	3.3	5
10	Degradation Behavior of Polymers Used as Coating Materials for Drug Delivery—A Basic Review. <i>Polymers</i> , 2021, 13, 1272.	4.5	47
11	A polyaniline/platinum coated fiber optic surface plasmon resonance sensor for picomolar detection of 4-nitrophenol. <i>Scientific Reports</i> , 2021, 11, 10086.	3.3	28
12	Phosphate incorporation in anodic hafnium oxide memristors. <i>Applied Surface Science</i> , 2021, 548, 149093.	6.1	13
13	Chemical Degradation of Methylene Blue Dye Using TiO ₂ /Au Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1605.	4.1	7
14	Sensitive pH Monitoring Using a Polyaniline-Functionalized Fiber Optic—Surface Plasmon Resonance Detector. <i>Sensors</i> , 2021, 21, 4218.	3.8	10
15	Composite Drug Delivery System Based on Amorphous Calcium Phosphate—Chitosan: An Efficient Antimicrobial Platform for Extended Release of Tetracycline. <i>Pharmaceutics</i> , 2021, 13, 1659.	4.5	5
16	Organic Thin Films Deposited by Matrix-Assisted Pulsed Laser Evaporation (MAPLE) for Photovoltaic Cell Applications: A Review. <i>Coatings</i> , 2021, 11, 1368.	2.6	7
17	Arylenevinylene Oligomer-Based Heterostructures on Flexible AZO Electrodes. <i>Materials</i> , 2021, 14, 7688.	2.9	3
18	Hybrid organic-inorganic thin films based on zinc phthalocyanine and zinc oxide deposited by MAPLE. <i>Applied Surface Science</i> , 2020, 503, 144317.	6.1	21

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19	Combinatorial screening of dysprosium-magnesium-zinc alloys for bioresorptive implants. <i>Electrochimica Acta</i> , 2020, 363, 137106.	5.2	3
20	MAPLE Deposition of Binary and Ternary Organic Bulk Heterojunctions Based on Zinc Phthalocyanine. <i>Coatings</i> , 2020, 10, 956.	2.6	5
21	Proteomics of regenerated tissue in response to a titanium implant with a bioactive surface in a rat tibial defect model. <i>Scientific Reports</i> , 2020, 10, 18493.	3.3	10
22	Chalcogenide Science in Romania. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000284.	1.5	0
23	SnSe ₂ -Zn-Porphyrin Nanocomposite Thin Films for Threshold Methane Concentration Detection at Room Temperature. <i>Chemosensors</i> , 2020, 8, 134.	3.6	6
24	Organic Thin Films Based on DPP-DTT:C60 Blends Deposited by MAPLE. <i>Nanomaterials</i> , 2020, 10, 2366.	4.1	7
25	Sn-doped TiO ₂ nanotubular thin film for photocatalytic degradation of methyl orange dye. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 147, 109609.	4.0	18
26	Thin Films Based on Cobalt Phthalocyanine:C60 Fullerene:ZnO Hybrid Nanocomposite Obtained by Laser Evaporation. <i>Nanomaterials</i> , 2020, 10, 468.	4.1	8
27	Long-Term Evaluation of Dip-Coated PCL-Blend-PEG Coatings in Simulated Conditions. <i>Polymers</i> , 2020, 12, 717.	4.5	22
28	Effect of ITO electrode patterning on the properties of organic heterostructures based on non-fullerene acceptor prepared by MAPLE. <i>Applied Surface Science</i> , 2020, 509, 145351.	6.1	15
29	Melanoma Cells Uptake and Hyperthermia Tests of Iron-Based Magnetic Nanoparticles. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2020, , 485-492.	0.3	0
30	Nanomagnetite-embedded PLGA Spheres for Multipurpose Medical Applications. <i>Materials</i> , 2019, 12, 2521.	2.9	11
31	Doping of TiO ₂ nanotubes with nitrogen by annealing in ammonia for visible light activation: Influence of pre- and post-annealing in air. <i>Thin Solid Films</i> , 2019, 692, 137598.	1.8	11
32	Pulsed Laser Deposition of Indium Tin Oxide Thin Films on Nanopatterned Glass Substrates. <i>Coatings</i> , 2019, 9, 19.	2.6	32
33	Nanoarchitectonics prepared by laser processing and their biomedical applications. , 2019, , 23-53.		0
34	Pulsed Laser Fabrication of TiO ₂ Buffer Layers for Dye Sensitized Solar Cells. <i>Nanomaterials</i> , 2019, 9, 746.	4.1	10
35	Degradable silk fibroin " Poly (sebacic acid) diacetoxy terminated, (SF-PSADT) polymeric composite coatings for biodegradable medical applications deposited by laser technology. <i>Progress in Organic Coatings</i> , 2019, 134, 11-21.	3.9	13
36	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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37	Core-shell nanowire arrays based on ZnO and Cu ₂ O for water stable photocatalysts. Scientific Reports, 2019, 9, 17268.	3.3	27
38	Structural characterisation and thermal stability of SnSeGaSb stacked films. Philosophical Magazine, 2019, 99, 55-72.	1.6	6
39	Thermal stability of phase change GaSbGeTe, SnSeGeTe and GaSbSnSe double stacked films revealed by X-ray reflectometry and X-ray diffraction. Journal of Non-Crystalline Solids, 2018, 492, 11-17.	3.1	11
40	MAPLE fabricated coatings based on magnetite nanoparticles embedded into biopolymeric spheres resistant to microbial colonization. Applied Surface Science, 2018, 448, 230-236.	6.1	15
41	Thermal Stress Effect on the Structure and Properties of Single and Double Stacked Films of GeTe and SnSe. Physica Status Solidi (B): Basic Research, 2018, 255, 1700552.	1.5	6
42	Wet chemical synthesis of ZnO-CdS composites and their photocatalytic activity. Materials Research Bulletin, 2018, 99, 174-181.	5.2	46
43	Enhanced absorption of TiO ₂ nanotubes by N-doping and CdS quantum dots sensitization: insight into the structure. RSC Advances, 2018, 8, 35073-35082.	3.6	8
44	Flexible organic heterostructures obtained by MAPLE. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
45	MAPLE deposition of Nigella sativa functionalized Fe ₃ O ₄ nanoparticles for antimicrobial coatings. Applied Surface Science, 2018, 455, 513-521.	6.1	24
46	Lincomycin embedded PANI based coatings for biomedical applications. Applied Surface Science, 2018, 455, 653-666.	6.1	7
47	Biocomposite coatings based on Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/calcium phosphates obtained by MAPLE for bone tissue engineering. Applied Surface Science, 2017, 417, 204-212.	6.1	20
48	Organic heterostructures deposited by MAPLE on AZO substrate. Applied Surface Science, 2017, 417, 196-203.	6.1	11
49	Laser deposition of poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) lysozyme microspheres based coatings with anti-microbial properties. International Journal of Pharmaceutics, 2017, 521, 184-195.	5.2	18
50	Optimized silicon reinforcement of carbon coatings by pulsed laser technique for superior functional biomedical surfaces fabrication. Biofabrication, 2017, 9, 025029.	7.1	2
51	IZO deposited by PLD on flexible substrate for organic heterostructures. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	11
52	Antimicrobial polycaprolactone/polyethylene glycol embedded lysozyme coatings of Ti implants for osteoblast functional properties in tissue engineering. Applied Surface Science, 2017, 417, 234-243.	6.1	31
53	MAPLE prepared heterostructures with oligoazomethine: Fullerene derivative mixed layer for photovoltaic applications. Applied Surface Science, 2017, 417, 183-195.	6.1	11
54	Titanium implants surface functionalization by pulsed laser deposition of TiN, ZrC and ZrN hard films. Applied Surface Science, 2017, 417, 175-182.	6.1	21

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55	Absorption boost of TiO ₂ nanotubes by doping with N and sensitization with CdS quantum dots. <i>Ceramics International</i> , 2017, 43, 15040-15046.	4.8	12
56	Hydroxyapatite thin films grown by pulsed laser deposition and matrix assisted pulsed laser evaporation: Comparative study. <i>Applied Surface Science</i> , 2017, 418, 580-588.	6.1	34
57	Laser Prepared Thin Films for Optoelectronic Applications. , 2017, , .		1
58	Microscale Drug Delivery Systems: Current Perspectives and Novel Approaches. , 2017, , 1-15.		2
59	Printing amphotericin B on microneedles using matrixassisted pulsed laser evaporation. <i>International Journal of Bioprinting</i> , 2017, 3, 147.	3.4	12
60	Bioactive ZnO Coatings Deposited by MAPLE. An Appropriate Strategy to Produce Efficient Anti-Biofilm Surfaces. <i>Molecules</i> , 2016, 21, 220.	3.8	26
61	Characteristics of LaB ₆ thin films grown by pulsed laser deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, 051509.	2.1	6
62	Fabrication of antimicrobial silver-doped carbon structures by combinatorial pulsed laser deposition. <i>International Journal of Pharmaceutics</i> , 2016, 515, 592-606.	5.2	34
63	Amorphous thin films in the gallium-chalcogen system. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1033-1037.	1.5	6
64	MAPLE preparation and characterization of mixed arylenevinylene based oligomers:C60 layers. <i>Applied Surface Science</i> , 2016, 374, 278-289.	6.1	13
65	Gamma irradiation effects on the properties of indium zinc oxide thin films. <i>Thin Solid Films</i> , 2016, 614, 2-6.	1.8	9
66	Investigations of Ar ion irradiation effects on nanocrystalline SiC thin films. <i>Applied Surface Science</i> , 2016, 374, 339-345.	6.1	3
67	Antimicrobial activity of biopolymeric thin films containing flavonoid natural compounds and silver nanoparticles fabricated by MAPLE: A comparative study. <i>Applied Surface Science</i> , 2016, 374, 290-296.	6.1	23
68	Structural and mechanical properties changes induced in nanocrystalline ZrC thin films by Ar ion irradiation. <i>Journal of Nuclear Materials</i> , 2016, 468, 78-83.	2.7	10
69	Flexible heterostructures based on metal phthalocyanines thin films obtained by MAPLE. <i>Applied Surface Science</i> , 2016, 374, 403-410.	6.1	35
70	Mesoporous silica coatings for cephalosporin active release at the bone-implant interface. <i>Applied Surface Science</i> , 2016, 374, 165-171.	6.1	20
71	Biocompatible cephalosporin-hydroxyapatite-poly(lactic-co-glycolic acid)-coatings fabricated by MAPLE technique for the prevention of bone implant associated infections. <i>Applied Surface Science</i> , 2016, 374, 387-396.	6.1	19
72	CdS quantum dots sensitized TiO ₂ nanotubes by matrix assisted pulsed laser evaporation method. <i>Ceramics International</i> , 2016, 42, 9011-9017.	4.8	9

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73	Thin coatings based on ZnO@C18-usnic acid nanoparticles prepared by MAPLE inhibit the development of Salmonella enterica early biofilm growth. Applied Surface Science, 2016, 374, 318-325.	6.1	18
74	<i>In-situ</i> characterization of the optical and electronic properties in GeTe and GaSb thin films. Journal of Applied Physics, 2015, 118, .	2.5	14
75	Fabrication of magnetite-based core-shell coated nanoparticles with antibacterial properties. Biofabrication, 2015, 7, 015014.	7.1	25
76	Ar ions irradiation effects in ZrN thin films grown by pulsed laser deposition. Applied Surface Science, 2015, 336, 129-132.	6.1	18
77	Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications. Applied Surface Science, 2015, 336, 401-406.	6.1	10
78	MAPLE fabricated magnetite@Melissa officinalis and poly lactic acid: chitosan coated surfaces with anti-staphylococcal properties. Journal of Sol-Gel Science and Technology, 2015, 73, 612-619.	2.4	11
79	Correlation between electronic structure and photocatalytic properties of non-metal doped TiO ₂ /ZrO ₂ thin films obtained by pulsed laser deposition method. Vacuum, 2015, 114, 166-171.	3.5	27
80	Poly(lactic-co-glycolic) acid/chitosan microsphere thin films functionalized with Cinnamomi aetheroleum and magnetite nanoparticles for preventing the microbial colonization of medical surfaces. Journal of Sol-Gel Science and Technology, 2015, 73, 679-686.	2.4	7
81	Microbial colonization of biopolymeric thin films containing natural compounds and antibiotics fabricated by MAPLE. Applied Surface Science, 2015, 336, 234-239.	6.1	9
82	Gamma-cyclodextrin/usnic acid thin film fabricated by MAPLE for improving the resistance of medical surfaces to Staphylococcus aureus colonization. Applied Surface Science, 2015, 336, 407-412.	6.1	19
83	Carvone functionalized iron oxide nanostructures thin films prepared by MAPLE for improved resistance to microbial colonization. Journal of Sol-Gel Science and Technology, 2015, 73, 605-611.	2.4	12
84	Ceramics and amorphous thin films based on gallium sulphide doped by rare-earth sulphides. Semiconductor Science and Technology, 2015, 30, 044001.	2.0	2
85	Mechanical properties of pulsed laser deposited nanocrystalline SiC films. Applied Surface Science, 2015, 336, 391-395.	6.1	11
86	Optical and mechanical properties of nanocrystalline ZrC thin films grown by pulsed laser deposition. Applied Surface Science, 2015, 352, 28-32.	6.1	17
87	Hard TiC Films Grown by Pulsed Laser Deposition. Materials Today: Proceedings, 2015, 2, 3790-3796.	1.8	2
88	Composite biodegradable biopolymer coatings of silk fibroin and Poly(3-hydroxybutyric-acid-co-3-hydroxyvaleric-acid) for biomedical applications. Applied Surface Science, 2015, 355, 1123-1131.	6.1	30
89	MAPLE prepared heterostructures with arylene based polymer active layer for photovoltaic applications. Applied Surface Science, 2015, 336, 240-248.	6.1	16
90	Thin films of amorphous Ga ₂ S ₃ and rare-earth sulphides. Materials Letters, 2015, 142, 229-231.	2.6	5

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91	MAPLE fabrication of thin films based on kanamycin functionalized magnetite nanoparticles with anti-pathogenic properties. Applied Surface Science, 2015, 336, 188-195.	6.1	24
92	Electrical characterization of Si doped AlN films synthesized by pulsed laser deposition. EPJ Applied Physics, 2015, 70, 10102.	0.7	0
93	Bioevaluation of Novel Anti-Biofilm Coatings Based on PVP/Fe ₃ O ₄ Nanostructures and 2-((4-Ethylphenoxy)methyl)-N-(arylcarbamoithiyl)benzamides. Molecules, 2014, 19, 12011-12030.	3.8	12
94	Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique. Beilstein Journal of Nanotechnology, 2014, 5, 872-880.	2.8	31
95	Synthesis of Nanostructured PLD AlN Films: XRD and Surface-Enhanced Raman Scattering Studies. Micro and Nanosystems, 2014, 6, 9-13.	0.6	4
96	Characterisation of the charge transport mechanism in pulsed laser deposited AlN:Si films. , 2014, , .		0
97	Laser synthesis of nanometric iron oxide films for thermo-sensing applications. Materials Research Bulletin, 2014, 50, 148-154.	5.2	4
98	Pulsed laser deposition of nanocrystalline SiC films. Applied Surface Science, 2014, 306, 66-69.	6.1	5
99	Wear tests of ZrC and ZrN thin films grown by pulsed laser deposition. Applied Surface Science, 2014, 306, 33-36.	6.1	26
100	MAPLE fabricated magnetite@eugenol and (3-hydroxybutyric acid-co-3-hydroxyvaleric acid)â€“polyvinyl alcohol microspheres coated surfaces with anti-microbial properties. Applied Surface Science, 2014, 306, 16-22.	6.1	51
101	Organic heterostructures based on arylenevinylene oligomers deposited by MAPLE. Applied Surface Science, 2014, 302, 216-222.	6.1	8
102	Optical properties of amorphous indium zinc oxide thin films synthesized by pulsed laser deposition. Applied Surface Science, 2014, 306, 52-55.	6.1	15
103	Accurate analysis of indiumâ€“zinc oxide thin films via laser-induced breakdown spectroscopy based on plasma modeling. Journal of Analytical Atomic Spectrometry, 2014, 29, 553.	3.0	29
104	Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with increased resistance to staphylococcal colonization. Biofabrication, 2014, 6, 035002.	7.1	45
105	Quantitative analysis of amorphous indium zinc oxide thin films synthesized by Combinatorial Pulsed Laser Deposition. Applied Physics A: Materials Science and Processing, 2014, 117, 229-236.	2.3	5
106	Laser prepared organic heterostructures based on star-shaped arylenevinylene compounds. Applied Physics A: Materials Science and Processing, 2014, 117, 261-268.	2.3	8
107	Visible light-harvesting of TiO ₂ nanotubes array by pulsed laser deposited CdS. Applied Surface Science, 2014, 309, 225-230.	6.1	27
108	Functionalized antibiofilm thin coatings based on PLAâ€“PVA microspheres loaded with usnic acid natural compounds fabricated by MAPLE. Applied Surface Science, 2014, 302, 262-267.	6.1	64

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109	Laser prepared organic heterostructures on glass/AZO substrates. Applied Surface Science, 2014, 302, 169-176.	6.1	14
110	The effect of deposition atmosphere on the chemical composition of TiN and ZrN thin films grown by pulsed laser deposition. Applied Surface Science, 2014, 302, 124-128.	6.1	21
111	MAPLE Fabricated Fe ₃ O ₄ @Cinnamomum verum Antimicrobial Surfaces for Improved Gastrostomy Tubes. Molecules, 2014, 19, 8981-8994.	3.8	38
112	In-situ crystallization of GeTeGaSb phase change memory stacked films. Journal of Applied Physics, 2014, 116, 234306.	2.5	25
113	VIS/IR spectroscopy of thin AlN films grown by pulsed laser deposition at 400Å°C and 800Å°C and various N ₂ pressures. Journal of Physics: Conference Series, 2014, 514, 012001.	0.4	10
114	Wear resistance of ZrC/TiN and ZrC/ZrN thin multilayers grown by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2013, 110, 717-722.	2.3	7
115	Stoichiometry dependence of the optical properties of amorphous-like InGaAs thin films. Journal of Applied Physics, 2013, 114, 043101.	0.4	0
116	Functionalized magnetite silica thin films fabricated by MAPLE with antibiofilm properties. Biofabrication, 2013, 5, 015007.	7.1	36
117	Effect of broadband light on Ag/As ₂ S ₃ multilayers. Journal of Non-Crystalline Solids, 2013, 377, 159-161.	3.1	0
118	Nanocrystalline thin films with charge density wave ground state. Vacuum, 2013, 98, 93-99.	3.5	2
119	Antimicrobial activity of biopolymer-antibiotic thin films fabricated by advanced pulsed laser methods. Applied Surface Science, 2013, 278, 211-213.	6.1	14
120	Hydroxyapatite thin films synthesized by Pulsed Laser Deposition onto titanium mesh implants for cranioplasty applications. Proceedings of SPIE, 2013, , .	0.8	1
121	Laser technology for synthesis of AlN films: influence of the incident laser fluence on the films microstructure. Journal of Physics: Conference Series, 2012, 356, 012003.	0.4	3
122	Study of the charge transport mechanism in pulsed laser deposited AlN:Si films. Journal of Physics: Conference Series, 2012, 356, 012038.	0.4	0
123	Photoexpansion and nano-lenslet formation in amorphous As ₂ S ₃ thin films by 800-nm femtosecond laser irradiation. Journal of Applied Physics, 2012, 112, .	2.5	22
124	Transparent indium zinc oxide thin films used in photovoltaic cells based on polymer blends. Thin Solid Films, 2012, 520, 6803-6806.	1.8	18
125	Matrix assisted pulsed laser evaporation of Mn ₁₂ (Propionate) thin films. Applied Surface Science, 2012, 258, 9471-9474.	6.1	3
126	Very hard TiN thin films grown by pulsed laser deposition. Applied Surface Science, 2012, 260, 2-6.	6.1	22

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127	The role of the substrate material type in formation of laser induced periodical surface structures on ZnO thin films. Applied Surface Science, 2012, 258, 9385-9388.	6.1	12
128	Magnetic core/shell nanoparticle thin films deposited by MAPLE: Investigation by chemical, morphological and in vitro biological assays. Applied Surface Science, 2012, 258, 9250-9255.	6.1	21
129	Pulsed laser deposition of transparent conductive oxide thin films on flexible substrates. Applied Surface Science, 2012, 260, 42-46.	6.1	62
130	Crystalline vanadium nitride ultra-thin films obtained at room temperature by pulsed laser deposition. Surface and Coatings Technology, 2012, 211, 158-162.	4.8	16
131	High-contrast 2D etched holes array obtained by direct laser writing on chalcogenide As_2S_3 films. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2173-2178.	1.8	8
132	Optical properties of amorphous-like indium zinc oxide and indium gallium zinc oxide thin films. Thin Solid Films, 2012, 520, 4722-4725.	1.8	42
133	Charge density waves in nanocrystalline thin films of blue bronze $K_0.3MoO_3$. Physica B: Condensed Matter, 2012, 407, 1889-1893.	2.7	3
134	Pulsed Laser Processing of Functionalized Polysaccharides for Controlled Release Drug Delivery Systems. NATO Science for Peace and Security Series A: Chemistry and Biology, 2012, , 231-236.	0.5	8
135	Thin As-Se-Sb Films as Potential Medium for Optics and Sensor Application. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 211-216.	0.3	0
136	Thin and hard ZrC/TiN multilayers grown by pulsed laser deposition. Surface and Coatings Technology, 2011, 205, 5493-5496.	4.8	15
137	High quality amorphous indium zinc oxide thin films synthesized by pulsed laser deposition. Thin Solid Films, 2011, 520, 1274-1277.	1.8	24
138	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
139	Synthesis of ZnO thin films by 40 ps @ 532 nm laser pulses. Applied Physics A: Materials Science and Processing, 2011, 104, 871-876.	2.3	2
140	Maple prepared organic heterostructures for photovoltaic applications. Applied Physics A: Materials Science and Processing, 2011, 104, 921-928.	2.3	29
141	Optical studies of $(AsSe)_{100-x}Sb_x$ thin films. Applied Physics A: Materials Science and Processing, 2011, 104, 959-962.	2.3	2
142	Deposition of antibacterial of poly(1,3-bis-(p-carboxyphenoxy propane)-co-(sebacic anhydride)) 20:80/gentamicin sulfate composite coatings by MAPLE. Applied Surface Science, 2011, 257, 5287-5292.	6.1	32
143	Structural characterization of AlN films synthesized by pulsed laser deposition. Applied Surface Science, 2011, 257, 5370-5374.	6.1	27
144	Thin films of arylenevinylene oligomers prepared by MAPLE for applications in non-linear optics. Applied Surface Science, 2011, 257, 5298-5302.	6.1	23

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145	Characteristics of ZrC/ZrN and ZrC/TiN multilayers grown by pulsed laser deposition. Applied Surface Science, 2011, 257, 5332-5336.	6.1	32
146	Modification of AlN thin films morphology and structure by temporally shaping of fs laser pulses used for deposition. Thin Solid Films, 2011, 519, 6381-6387.	1.8	9
147	Detection of charge density wave ground state in granular thin films of blue bronze K _{0.3} MoO ₃ by femtosecond spectroscopy. Journal of Applied Physics, 2011, 110, .	2.5	9
148	Analysis of indium zinc oxide thin films by laser-induced breakdown spectroscopy. Journal of Applied Physics, 2011, 110, .	2.5	16
149	Ellipsometric characterization of AlN films synthesized by Pulsed-Laser-Deposition. Journal of Physics: Conference Series, 2010, 253, 012032.	0.4	1
150	Study of the charge transport mechanism in pulsed laser deposited AlN:Cr films. Journal of Physics: Conference Series, 2010, 253, 012036.	0.4	0
151	On the stoichiometry of mass transfer from solid to plasma during pulsed laser ablation of brass. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 636-641.	2.9	29
152	Composite biocompatible hydroxyapatite/silk fibroin coatings for medical implants obtained by Matrix Assisted Pulsed Laser Evaporation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 151-158.	3.5	48
153	Hydroxyapatite thin films synthesized by pulsed laser deposition and magnetron sputtering on PMMA substrates for medical applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 159-168.	3.5	41
154	Structural investigations of InZnO films grown by pulsed laser deposition technique. Thin Solid Films, 2010, 518, 4564-4567.	1.8	9
155	Photocatalytic activity of pulsed laser deposited TiO ₂ thin films in N ₂ , O ₂ and CH ₄ . Thin Solid Films, 2010, 518, 4648-4653.	1.8	31
156	Structure and properties of silver doped SnSe ₂ and Ge ₂ Sb ₂ Te ₅ thin films prepared by pulsed laser deposition. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 516-520.	1.8	21
157	Nanostructured thin layers of vanadium oxides doped with cobalt, prepared by pulsed laser ablation: chemistry, local atomic structure, morphology and magnetism. Journal of Experimental Nanoscience, 2010, 5, 509-526.	2.4	11
158	Increased Bioactivity of Cranio-spinal Implants Functionalized with Hydroxyapatite Nanostructured Coatings: Morpho-structural Characterization and In-Vitro Evaluation. , 2010, , .		0
159	High-repetition rate pulsed laser deposition of ZrC thin films. Surface and Coatings Technology, 2009, 203, 1055-1058.	4.8	10
160	Chemical composition of ZrC thin films grown by pulsed laser deposition. Applied Surface Science, 2009, 255, 5260-5263.	6.1	22
161	Specific biofunctional performances of the hydroxyapatite/sodium maleate copolymer hybrid coating nanostructures evaluated by in vitro studies. Journal of Materials Science: Materials in Medicine, 2009, 20, 2305-2316.	3.6	9
162	Surface morphology of AlN films synthesized by pulsed laser deposition. Vacuum, 2009, 84, 155-157.	3.5	10

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163	Bioglass thin films for biomimetic implants. Applied Surface Science, 2009, 255, 5476-5479.	6.1	38
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