Sigitas Tamulevicius

List of Publications by Year
in descending order

199	3,514	185998	197535
papers	citations	28 h-index	49 g-index

205	205	205	3862
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and Electron-Beam Evaporation of Gadolinium-Doped Ceria Thin Films. Coatings, 2022, 12, 747.	1.2	5
2	Shape influence on the ultrafast plasmonic properties of gold nanoparticles. Optics Express, 2022, 30, 27730.	1.7	4
3	Fabrication of an Extremely Cheap Poly(3,4-ethylenedioxythiophene) Modified Pencil Lead Electrode for Effective Hydroquinone Sensing. Polymers, 2021, 13, 343.	2.0	7
4	Tailoring Mesoporous Silicon Surface to Form a Versatile Template for Nanoparticle Deposition. Coatings, 2021, 11, 699.	1.2	1
5	Porous silicon - A versatile platform for mass-production of ultrasensitive SERS-active substrates. Microporous and Mesoporous Materials, 2021, 323, 111204.	2.2	26
6	The evolution of properties with deposition time of vertical graphene nanosheets produced by microwave plasma-enhanced chemical vapor deposition. Surfaces and Interfaces, 2021, 27, 101529.	1.5	2
7	Ultrafast relaxation dynamics of aluminum nanoparticles in solution. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113795.	1.3	6
8	Cerium doping and cerium aluminium co-doping effects on the sol-gel processing of Y3Fe5O12 (YIG): Bulk and thin films. Solid State Sciences, 2020, 99, 106065.	1.5	5
9	Tailoring of Silver Nanoparticle Size Distributions in Hydrogenated Amorphous Diamondâ€Like Carbon Nanocomposite Thin Films by Direct Femtosecond Laser Interference Patterning. Advanced Engineering Materials, 2020, 22, 1900951.	1.6	12
10	Multiwavelength Raman Scattering Spectroscopy Study of Graphene Synthesized on Si(100) and SiO 2 by Microwave Plasmaâ€Enhanced Chemical Vapor Deposition. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900462.	1.2	4
11	Valence State of Iron and Molybdenum Cations under Conditions of Anionic Deficiency in Sr 2 FeMoO 6â€“ Î´. Physica Status Solidi (B): Basic Research, 2020, 257, 1900387.	0.7	2
12	Effect of Ag Nanocube Optomechanical Modes on Plasmonic Surface Lattice Resonances. ACS Photonics, 2020, 7, 3130-3140.	3.2	25
13	Preclinical Study of a Multi-Layered Antimicrobial Patch Based on Thin Nanocomposite Amorphous Diamond Like Carbon Films with Embedded Silver Nanoparticles. Materials, 2020, 13, 3180.	1.3	15
14	Facile Synthesis of Silver-Doped Zinc Oxide Nanostructures as Efficient Scaffolds for Detection of p-Nitrophenol. Chemosensors, 2020, 8, 108.	1.8	18
15	Advanced Magnetic Oxides. Physica Status Solidi (B): Basic Research, 2020, 257, 2000058.	0.7	0
16	Structure and optical properties of diamond like carbon films containing aluminium and alumina. Applied Surface Science, 2020, 529, 147040.	3.1	11
17	Diffraction efficiency optimization of multilayer dielectric mirror-based gratings for 1030Ânm femtosecond lasers. Optics and Laser Technology, 2020, 126, 106071.	2.2	10
18	Diamond Like Carbon Films Containing Si: Structure and Nonlinear Optical Properties. Materials, 2020, 13, 1003.	1.3	67

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19	Hydrogen-Free Diamond Like Carbon Films with Embedded Cu Nanoparticles: Structure, Composition and Reverse Saturable Absorption Effect. Materials, 2020, 13, 760.	1.3	4
20	Degree of phase transformations in the conditions of polythermal synthesis of SrBaFeMoO6â€“Î´. Vacuum, 2020, 174, 109196.	1.6	0
21	Transient absorption spectroscopy as a promising optical tool for the quality evaluation of graphene layers deposited by microwave plasma. Surface and Coatings Technology, 2020, 395, 125887.	2.2	7
22	Electrical transport properties of a carbon nanostructure obtained by plasma-enhanced chemical vapor deposition during thermal cycling. Journal of the Belarusian State University Physics, 2020, , 89-96.	0.1	1
23	Surface Lattice Resonances in Self-Assembled Arrays of Monodisperse Ag Cuboctahedra. ACS Nano, 2019, 13, 9038-9047.	7.3	36
24	Fabrication of a biocompatible and continuous glucose biosensor with the poly(3,4-ethylenedioxythiophene) modified electrode. Journal of the Taiwan Institute of Chemical Engineers, 2019, 104, 1-7.	2.7	14
25	Effect of oxidation of copper nanoparticles on absorption spectra of DLC:Cu nanocomposites. Diamond and Related Materials, 2019, 99, 107538.	1.8	17
26	Direct patterning of nitrogen-doped chemical vapor deposited graphene-based microstructures for charge carrier measurements employing femtosecond laser ablation. Journal Physics D: Applied Physics, 2019, 52, 30LT01.	1.3	6
27	High-Density Plasmonic Nanoparticle Arrays Deposited on Nanoporous Anodic Alumina Templates for Optical Sensor Applications. Nanomaterials, 2019, 9, 531.	1.9	16
28	Self-Saturable Absorption and Reverse-Saturable Absorption Effects in Diamond-Like Carbon Films with Embedded Copper Nanoparticles. Coatings, 2019, 9, 100.	1.2	7
29	Polarization-dependent ultrafast plasmon relaxation dynamics in nanoporous gold thin films and nanowires. Journal Physics D: Applied Physics, 2019, 52, 225103.	1.3	5
30	Improved Crystalline Structure and Enhanced Photoluminescence of ZnO Nanolayers in Bi₂Se₃/ZnO Heterostructures. Journal of Physical Chemistry C, 2019, 123, 31156-31166.	1.5	7
31	Diamond like carbon films with embedded Cu nanoclusters deposited by reactive high power impulse magnetron sputtering: Pulse length effects. Thin Solid Films, 2019, 673, 1-6.	0.8	3
32	Twisted Intramolecular Charge Transfer States in Trinary Star-Shaped Triphenylamine-Based Compounds. Journal of Physical Chemistry A, 2018, 122, 3218-3226.	1.1	29
33	Giant Negative Piezoresistive Effect in Diamond-like Carbon and Diamond-like Carbon-Based Nickel Nanocomposite Films Deposited by Reactive Magnetron Sputtering of Ni Target. ACS Applied Materials & Interfaces, 2018, 10, 15778-15785.	4.0	12
34	Diamond like carbon Ag nanocomposites as a control measure against Campylobacter jejuni and Listeria monocytogenes on food preparation surfaces. Diamond and Related Materials, 2018, 81, 118-126.	1.8	16
35	Sustainability of bioplastics: Opportunities and challenges. Current Opinion in Green and Sustainable Chemistry, 2018, 13, 68-75.	3.2	198
36	Recent developments in recycling of polystyrene based plastics. Current Opinion in Green and Sustainable Chemistry, 2018, 13, 32-38.	3.2	120

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37	Femtosecond laser microâ€machined polyimide films for cell scaffold applications. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e760-e773.	1.3	13
38	UV-NIL replication of microlens arrays on flexible fluoropolymer substrates. Microsystem Technologies, 2018, 24, 1115-1125.	1.2	6
39	Diamond like carbon nanocomposites with embedded metallic nanoparticles. Reports on Progress in Physics, 2018, 81, 024501.	8.1	45
40	Implementation of an optimized microfluidic mixer in alumina employing femtosecond laser ablation. Journal of Micromechanics and Microengineering, 2018, 28, 015013.	1.5	7
41	Dot-Matrix Hologram Rendering Algorithm and its Validation through Direct Laser Interference Patterning. Scientific Reports, 2018, 8, 14245.	1.6	18
42	Recent approaches in guar gum hydrogel synthesis for water purification. International Journal of Polymer Analysis and Characterization, 2018, 23, 621-632.	0.9	66
43	Recent progress in sodium alginate based sustainable hydrogels for environmental applications. Journal of Cleaner Production, 2018, 198, 143-159.	4.6	320
44	Effect of fused silica surface wettability on thermal reflow of polymer microlens arrays. Microsystem Technologies, 2017, 23, 2193-2206.	1.2	12
45	Linear and Nonlinear Absorption Properties of Diamond-Like Carbon Doped With Cu Nanoparticles. Plasmonics, 2017, 12, 47-58.	1.8	14
46	Investigation of transient dynamics of capillary assisted particle assembly yield. Applied Surface Science, 2017, 406, 136-143.	3.1	12
47	Diffraction efficiency and noise analysis of hidden image holograms. Optik, 2017, 131, 805-812.	1.4	1
48	BaZrO3 perovskite nanoparticles as emissive material for organic/inorganic hybrid light-emitting diodes. Dyes and Pigments, 2017, 145, 399-403.	2.0	9
49	Recent progress in gelatin hydrogel nanocomposites for water purification and beyond. Vacuum, 2017, 146, 396-408.	1.6	113
50	Plasmonâ€“organic fiber interactions in diamond-like carbon coated nanostructured gold films. Optics Communications, 2017, 402, 635-640.	1.0	3
51	Progress in lignin hydrogels and nanocomposites for water purification: Future perspectives. Vacuum, 2017, 146, 342-355.	1.6	138
52	Photovoltaic Properties and Ultrafast Plasmon Relaxation Dynamics of Diamond-Like Carbon Nanocomposite Films with Embedded Ag Nanoparticles. Nanoscale Research Letters, 2017, 12, 288.	3.1	12
53	Effects of 3D microlens transfer into fused silica substrate by CF4/O2 dry etching. Applied Surface Science, 2017, 393, 287-293.	3.1	8
54	Structure and density profile of diamond-like carbon films containing copper: Study by X-ray reflectivity, transmission electron microscopy, and spectroscopic ellipsometry. Thin Solid Films, 2017, 630, 48-58.	0.8	15

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55	Nitrogen-doped twisted graphene grown on copper by atmospheric pressure CVD from a decane precursor. Beilstein Journal of Nanotechnology, 2017, 8, 145-158.	1.5	25
56	Characterisation and radiolysis of modified lithium orthosilicate pebbles with noble metal impurities. Fusion Engineering and Design, 2017, 124, 934-939.	1.0	2
57	Hot Electron Emission Can Lead to Damping of Optomechanical Modes in Coreâ€“Shell Ag@TiO₂ Nanocubes. Journal of Physical Chemistry C, 2017, 121, 24159-24167.	1.5	18
58	Antimicrobial Properties of Diamond-Like Carbon/Silver Nanocomposite Thin Films Deposited on Textiles: Towards Smart Bandages. Materials, 2016, 9, 371.	1.3	35
59	Effects of the High Power Pulsed Magnetron Sputtering Deposition Conditions on Structure of Diamond Like Carbon:Cu Films. Journal of Nanoscience and Nanotechnology, 2016, 16, 10133-10142.	0.9	7
60	Patterning of diamond like carbon films for sensor applications using silicon containing thermoplastic resist (SiPol) as a hard mask. Applied Surface Science, 2016, 385, 145-152.	3.1	9
61	Nine-ring angular fused biscarbazoloanthracene displaying a solid state based excimer emission suitable for OLED application. Journal of Materials Chemistry C, 2016, 4, 5795-5805.	2.7	33
62	A single emitting layer white OLED based on exciplex interface emission. Journal of Materials Chemistry C, 2016, 4, 3851-3856.	2.7	74
63	Highly Luminous Sky-Blue Organic Light-Emitting Diodes Based on the Bis[(1,2)(5,6)]indoloanthracene Emissive Layer. Journal of Physical Chemistry C, 2016, 120, 6206-6217.	1.5	45
64	Microlens fabrication by 3D electron beam lithography combined with thermal reflow technique. Microelectronic Engineering, 2016, 164, 23-29.	1.1	28
65	Surface Enhanced Raman Scattering Effect in Diamond Like Carbon Films Containing Ag Nanoparticles. Journal of Nanoscience and Nanotechnology, 2016, 16, 10143-10151.	0.9	12
66	Micromachining and validation of the scanning acoustic microscope spatial resolution and sensitivity calibration block for 20â€“230 MHz frequency range. Microscopy (Oxford, England), 2016, 65, 429-437.	0.7	10
67	Annealing Effects on Structure and Optical Properties of Diamond-Like Carbon Films Containing Silver. Nanoscale Research Letters, 2016, 11, 146.	3.1	37
68	Polyimide and Imide Compound Exhibiting Bright Red Fluorescence with Very Large Stokes Shifts via Excited-State Intramolecular Proton Transfer II. Ultrafast Proton Transfer Dynamics in the Excited State. Macromolecules, 2016, 49, 1848-1857.	2.2	56
69	Microstructuring of electrospun mats employing femtosecond laser. Medziagotyra, 2015, 21, .	0.1	6
70	Spectroellipsometric characterization and modeling of plasmonic diamond-like carbon nanocomposite films with embedded Ag nanoparticles. Nanoscale Research Letters, 2015, 10, 157.	3.1	21
71	Multiwavelength Raman analysis of SiOx and N containing amorphous diamond like carbon films. Thin Solid Films, 2015, 581, 86-91.	0.8	9
72	Piezoresistive properties of diamond like carbon films containing copper. Diamond and Related Materials, 2015, 60, 20-25.	1.8	16

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73	On the synthesis of yttria-stabilized zirconia: a comparative study. Journal of Sol-Gel Science and Technology, 2015, 76, 309-319.	1.1	30
74	Local field enhanced second-harmonic response of organic nanofibers deposited on encapsulated plasmonic substrates. Proceedings of SPIE, 2015, , .	0.8	1
75	Influence of magnetron sputtering deposition conditions and thermal treatment on properties of platinum thin films for positive electrodeâ€“electrolyteâ€“negative electrode structure. Thin Solid Films, 2015, 594, 101-108.	0.8	13
76	Optical properties of diamond like carbon films containing copper, grown by high power pulsed magnetron sputtering and direct current magnetron sputtering: Structure and composition effects. Thin Solid Films, 2015, 581, 48-53.	0.8	28
77	Formation of sub-wavelength pitch regular structures employing a motorized multiple exposure Lloyd's mirror holographic lithography setup. , 2014, , .		2
78	Modelling and Fabrication of Micro-SOFC Membrane Structure. Medziagotyra, 2014, 20, .	0.1	1
79	Dynamic optical properties of amorphous diamond-like carbon nanocomposite films doped with Cu and Ag nanoparticles. Proceedings of SPIE, 2014, , .	0.8	2
80	In-situ measurements of bacteria resistance to antimicrobial agents employing leaky mode sub-wavelength diffraction grating. Sensors and Actuators B: Chemical, 2014, 204, 799-806.	4.0	7
81	Numerical and experimental analysis of optical response of sub-wavelength period structure in carbonaceous film for refractive index sensing. Optics Express, 2014, 22, 27462.	1.7	21
82	Modeling of the plasmonic properties of DLCâ€Ag nanocomposite films. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 329-335.	0.8	25
83	Thermally-driven structural changes of graphene oxide multilayer films deposited on glass substrate. Superlattices and Microstructures, 2014, 75, 461-467.	1.4	13
84	Plasmonic properties of silver nanoparticles embedded in diamond like carbon films: Influence of structure and composition. Applied Surface Science, 2014, 317, 1041-1046.	3.1	27
85	Robust plasmonic substrates. Applied Physics A: Materials Science and Processing, 2014, 116, 151-159.	1.1	5
86	Structuring of DLC:Ag nanocomposite thin films employing plasma chemical etching and ion sputtering. Nuclear Instruments & Methods in Physics Research B, 2014, 341, 1-6.	0.6	13
87	Bias effects on structure and piezoresistive properties of DLC:Ag thin films. Surface and Coatings Technology, 2014, 255, 84-89.	2.2	28
88	Three Phase Boundary Enhancement in SOFC Anodes by Applying Laser Drilling Technique. Journal of Laser Micro Nanoengineering, 2014, 9, 169-173.	0.4	0
89	Structure of the silver containing diamond like carbon films: Study by multiwavelength Raman spectroscopy and XRD. Diamond and Related Materials, 2013, 40, 32-37.	1.8	21
90	Piezoresistive properties of amorphous carbon based nanocomposite thin films deposited by plasma assisted methods. Thin Solid Films, 2013, 538, 78-84.	0.8	20

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91	Guide-mode resonance characteristics of periodic structure on base of diamond-like carbon film. Optics Communications, 2013, 301-302, 1-6.	1.0	32
92	The calculation, fabrication and verification of diffraction grating based on laser beam splitters employing a white light scatterometry technique. Optics and Lasers in Engineering, 2013, 51, 1185-1191.	2.0	6
93	Numerical implementation of the S-matrix algorithm for modeling of relief diffraction gratings. Journal of Modern Optics, 2013, 60, 1781-1788.	0.6	15
94	Current-Voltage Characteristics of the Metal / Organic Semiconductor / Metal Structures: Top and Bottom Contact Configuration Case. Medziagotyra, 2013, 19, .	0.1	0
95	Absorbance Control of Liquids Employing Transmission Sub-wavelength DLC Diffraction Grating. NATO Science for Peace and Security Series B: Physics and Biophysics, 2013, , 203-212.	0.2	1
96	Application of holographic sub-wavelength diffraction gratings for monitoring of kinetics of bioprocesses. Applied Surface Science, 2012, 258, 9292-9296.	3.1	22
97	Synthesis of YSZ thin films by the novel aqueous solâ€“gel citrate-precursor method. Solid State Ionics, 2012, 225, 73-76.	1.3	8
98	Piezoresistive and electrical properties of Cr containing diamond-like carbon films. Surface and Coatings Technology, 2012, 211, 80-83.	2.2	12
99	Piezoresistive properties and structure of hydrogen-free DLC films deposited by DC and pulsed-DC unbalanced magnetron sputtering. Surface and Coatings Technology, 2012, 211, 172-175.	2.2	13
100	Two-step Fabrication of Large Area SiO2/Si Membranes. Medziagotyra, 2012, 18, .	0.1	0
101	Carrier gas and ion beam parameter effects on the structure and properties of a-C:H/SiOx films deposited employing closed drift ion beam source. Nuclear Instruments & Methods in Physics Research B, 2012, 282, 116-120.	0.6	12
102	Modulation of monochromatic terahertz radiation in transmission and reflection modes using planar metamaterial. Electronics Letters, 2011, 47, 503.	0.5	2
103	Ion beam deposition of amorphous hydrogenated carbon films on amorphous silicon interlayer: Experiment and simulation. Diamond and Related Materials, 2011, 20, 693-702.	1.8	4
104	On the Properties of Yttria-Stabilized Zirconia Thin Films Prepared by Sol-Gel Method. Medziagotyra, 2011, 17, 191-196.	0.1	0
105	The influence of sublayer material on surface properties of electrodeposited nickel with periodical structures. Materials Science-Poland, 2011, 29, 195-202.	0.4	0
106	Total internal reflection based sub-wavelength grating sensor for the determination of refractive index of liquids. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 140-148.	1.0	20
107	Evaluation of Laser Drilling of Ni Film on Silicon for Solid Oxide Fuel Cells. Physics Procedia, 2011, 12, 317-322.	1.2	6
108	Vacuum plasma spray deposition of YSZâ€“NiOâ€“Ni coatings at different Ar and H2 gas flow rates. Vacuum, 2011, 86, 34-38.	1.6	2

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109	Refractive index sensor based on the diamond like carbon diffraction grating. Thin Solid Films, 2011, 519, 4082-4086.	0.8	12
110	Multilayer amorphous hydrogenated carbon (a-C:H) and SiOx doped a-C:H films for optical applications. Thin Solid Films, 2011, 519, 4004-4007.	0.8	8
111	Micro-channel drilling of Ni and Pt films on silicon by using laser beam interference ablation for solid oxide fuel cells. , 2011, , .		0
112	Evaluation of Laser Drilling of Ni Film on Silicon for Solid Oxide Fuel Cells. Journal of Laser Micro Nanoengineering, 2011, 6, 199-203.	0.4	2
113	Laser beam shape effect in optical control of the Î¼-fluidic channel depth employing scatterometry. Optics and Lasers in Engineering, 2010, 48, 664-670.	2.0	7
114	Residual stress in polytetrafluoroethylene-metal nanocomposite films prepared by magnetron sputtering. Thin Solid Films, 2010, 518, 5944-5949.	0.8	16
115	Ion beam energy effects on structure and properties of diamond like carbon films deposited by closed drift ion source. Vacuum, 2010, 84, 1133-1137.	1.6	11
116	MECHANICAL AND SURFACE TOPOGRAPHY CHANGES DURING MECHANICAL TESTING OF DIFFRACTION OPTICAL ELEMENTS IN POLYMER. Experimental Techniques, 2010, 34, 55-62.	0.9	2
117	Piezoresistive, optical and electrical properties of diamond like carbon and carbon nitride films. Diamond and Related Materials, 2010, 19, 1249-1253.	1.8	13
118	Optical properties of diamond like carbon and diamond like nanocomposite films. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2817-2819.	0.8	2
119	The metals chemical states in hydrated vanadium oxides. Micron, 2009, 40, 126-129.	1.1	5
120	Growth of ITO thin films by magnetron sputtering: OES study, opticaland electrical properties. Vacuum, 2009, 83, S118-S120.	1.6	10
121	Growth and properties of the ion beam deposited SiOx containing DLC films. Vacuum, 2009, 83, S121-S123.	1.6	12
122	The structure and molecular orientation of polytetrafluoroethylene coatings deposited from active gas phase. Applied Surface Science, 2009, 255, 6851-6856.	3.1	15
123	Features of Polytetrafluoroethylene Coating Growth on Activated Surfaces from Gas Phase. Springer Proceedings in Physics, 2009, , 85-89.	0.1	1
124	Optical properties of diamondâ€like carbon films irradiated by Xâ€ray photons. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3414-3416.	0.8	1
125	Plasmonic properties of silver in polymer. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 149, 230-236.	1.7	27
126	Electrical and piezoresistive properties of ion beam deposited DLC films. Applied Surface Science, 2008, 254, 5252-5256.	3.1	24

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127	Ion beam energy effects on structure and properties of SiOx doped diamond-like carbon films. Surface and Coatings Technology, 2008, 202, 2328-2331.	2.2	9
128	SiOx-doped DLC films: Charge transport, dielectric properties and structure. Vacuum, 2008, 82, 617-622.	1.6	9
129	Mechanical properties of the X-ray irradiated DLC films containing SiOx as a constructive element for radiation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 188-191.	0.7	2
130	Modification of amorphous DLC films induced by MeV photon irradiation. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2788-2792.	0.6	7
131	FORMATION OF PERIODICAL MICROSTRUCTURES USING INTERFERENCE LITHOGRAPHY. Experimental Techniques, 2008, 32, 23-28.	0.9	8
132	Sol-Gel Synthesis of Mesoporous TiO2 Films for Visible Light Sensitive TiO2/CdS Heterostructures. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 315-321.	0.1	3
133	Periodic structures modified with silver nanoparticles for novel plasmonic application. Proceedings of SPIE, 2008, , .	0.8	2
134	Formation and Electrical Properties of Metal/Organic Semiconductor/Si Heterostructures Based on Naphthalene Diimide-Based Compounds. Molecular Crystals and Liquid Crystals, 2008, 497, 154/[486]-163/[495].	0.4	1
135	Bottom-up tailoring of photonic nanofibers. Proceedings of SPIE, 2008, , .	0.8	1
136	In situ analysis of adsorption process from residual gases during thin film deposition. Journal of Physics: Conference Series, 2008, 100, 092026.	0.3	0
137	Implementation of diffractive optical element in four-wave mixing scheme for ex situ characterization of hydride vapor phase epitaxy-grown GaN layers. Review of Scientific Instruments, 2007, 78, 033901.	0.6	35
138	Optical characterization of microstructures of high aspect ratio. , 2007, , .		5
139	Hydrophobic properties of the ion beam deposited DLC films containing SiOx. Thin Solid Films, 2007, 515, 7615-7618.	0.8	34
140	Effects of selenium treatment on composition and photoluminescence properties of porous silicon. Journal of Luminescence, 2007, 127, 431-434.	1.5	3
141	XRD Analysis of Plasma Sprayed YSZ-NiO-Ni Ceramic Coatings. Plasma Processes and Polymers, 2007, 4, S181-S184.	1.6	8
142	<title>Synthesis and characterization of silver nanoparticles</title>. , 2006, 6596, 115.		12
143	Thermal stress kinetics in the microresist-silicon system. , 2006, , .		1
144	<title>Optical properties of the undoped and SiO<formula><inf><roman>x</roman></inf></formula> doped DLC films</title>. , 2006, , .		4

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145	Nanoimprint lithography using IR laser irradiation. Applied Surface Science, 2006, 253, 646-650.	3.1	11
146	Metallization of poly(ethylene terephthalate) in the wide range of substrate temperatures. Surface and Coatings Technology, 2006, 200, 6490-6494.	2.2	1
147	Synthesis of the silicon and silicon oxide doped a-C:H films from hexamethyldisiloxane vapor by DC ion beam. Surface and Coatings Technology, 2006, 200, 6240-6244.	2.2	33
148	XPS study of the a-C:H/Ti and a-C:H/a-Si interfaces. Vacuum, 2006, 80, 1007-1011.	1.6	17
149	Growth of Ag films on polyethylene terephthalate (PET) deposited by electron beam. Thin Solid Films, 2006, 495, 118-123.	0.8	19
150	Ion beam synthesis of the diamond like carbon films for nanoimprint lithography applications. Thin Solid Films, 2006, 515, 636-639.	0.8	39
151	Analysis of a Microelectrostatic Motor. Solid State Phenomena, 2006, 113, 185-189.	0.3	2
152	Investigation of Electrostatic Cantilever-Type Micromechanical Actuator. Solid State Phenomena, 2006, 113, 179-184.	0.3	0
153	Optical characterization of diffractive optical elements replicated in polymers. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2006, 5, 013004.	1.0	7
154	Hybrid Experimental â€“ Numerical Full-Field Displacement Evaluation for Characterization of Micro-Scale Components of Mechatronic Systems. Solid State Phenomena, 2006, 113, 73-78.	0.3	1
155	Optical characterization of diffractive optical elements replicated in polymers. , 2005, , .		1
156	Design, fabrication, and simulation of cantilever-type electrostatic micromechanical switch. , 2005, 5763, 436.		6
157	Optically variable imaging using nanoimprint technique. Applied Surface Science, 2005, 245, 234-239.	3.1	10
158	XPS study of the ultrathin a-C:H films deposited onto ion beam nitrided AISI 316 steel. Applied Surface Science, 2005, 249, 295-302.	3.1	28
159	Hybrid numericalâ€"experimental approach for investigation of dynamics of microcantilever relay system. Optics and Lasers in Engineering, 2005, 43, 63-73.	2.0	7
160	Synergy of contact and noncontact techniques for design and characterization of vibrating MOEMS elements. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2005, 4, 041602.	1.0	1
161	X-ray photoelectron spectroscopy study of MBE-grown Gd/EuTe multilayers. Journal of Alloys and Compounds, 2005, 401, 150-154.	2.8	5
162	CdS-PbS Multilayer Thin Films Grown by the SILAR Method. Solid State Phenomena, 2004, 99-100, 243-246.	0.3	6

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163	Oxygen Plasma Processing of Silicon and Silica Substrates for Thin Films of Polymer Blends. Solid State Phenomena, 2004, 99-100, 175-180.	0.3	5
164	Laser pulse assisted nanoimprint lithography. Thin Solid Films, 2004, 453-454, 13-15.	0.8	16
165	The surface properties of PS/PMMA blends nanostructured polymeric layers. Thin Solid Films, 2004, 453-454, 304-311.	0.8	26
166	Effect of deposition conditions and annealing on residual stress of ITO films magnetron sputtered on silica. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 307-311.	0.8	3
167	Electronic speckle pattern interferometry for mechanical testing of thin films. Optics and Lasers in Engineering, 2004, 42, 1-8.	2.0	10
168	Effects of low-energy ion beam glancing angle nitridation on nGaAs surface and Coâ€“nGaAs Schottky contact properties. Vacuum, 2004, 77, 79-86.	1.6	12
169	Morphological and structural study of ultra thin Al films on polymer substrate. Superlattices and Microstructures, 2004, 36, 79-86.	1.4	4
170	Mechanical properties of ion beam deposited carbon films. Carbon, 2004, 42, 1085-1088.	5.4	14
171	Replication of periodic structures in polymer materiais. Lithuanian Journal of Physics, 2004, 44, 345-351.	0.1	3
172	Growth of ultra thin PbS films by SILAR technique. Thin Solid Films, 2003, 428, 223-226.	0.8	63
173	Direct ion beam deposited carbon films and clusters. Vacuum, 2003, 72, 193-198.	1.6	7
174	Imprint lithography of pyramidal photonic pillars using hydrazine etching. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 568-573.	1.3	8
175	The Influence of the Pretreatment of Si Substrate on the Growth of PbS Thin Films in the SILAR Technique. Solid State Phenomena, 2003, 94, 261-264.	0.3	3
176	The Polymeric Layers Formation by Sorption from Organic Solutions. Solid State Phenomena, 2003, 94, 265-270.	0.3	6
177	Growth of PbS thin films on silicon substrate by SILAR technique. Thin Solid Films, 2002, 403-404, 457-461.	0.8	54
178	Electronic Speckle Pattern Interferometry for Micromechanical Measurements. Advanced Engineering Materials, 2002, 4, 546-550.	1.6	5
179	Ion beam synthesis of Î±-CNx:H films. Surface and Coatings Technology, 2002, 151-152, 180-183.	2.2	17
180	Optical measurements of strain and stress in thin films. , 2001, , .		1

#	Article	IF	Citations
181	Influence of plasma spraying process parameters on properties of the deposited Ni-Al coatings. , 2001, , .		0
182	Stress and morphological development of CdS and ZnS thin films during the SILAR growth on (1 0) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.1	58
183	Stress and surface studies of SILAR grown ZnS thin films on (100)GaAs substrates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 288, 223-230.	2.6	22
184	SILAR deposition of CdxZn1-xS thin films. Applied Surface Science, 2000, 161, 396-405.	3.1	85
185	Stress and surface studies of SILAR grown CdS thin films on GaAs(100). Thin Solid Films, 1999, 355-356, 430-434.	0.8	19
186	<title>Influence of annealing on the morphology and phase composition of plasma-sprayed Ni/Al coatings</title>. , 1999, , .		0
187	Stress and strain in the vacuum deposited thin films. Vacuum, 1998, 51, 127-139.	1.6	83
188	Application of plasma spray deposited coatings for seawater activated batteries. Journal of Power Sources, 1998, 72, 9-13.	4.0	12
189	Integral stress in ion-implanted silicon. Journal Physics D: Applied Physics, 1998, 31, 2991-2996.	1.3	9
190	A simple model of radiation swelling of silicon. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 40, 141-146.	1.7	9
191	Ion-beam-activated processes on the surfaces of solids. Surface and Coatings Technology, 1995, 71, 239-249.	2.2	7
192	Temperature conditions during arc discharge plasma deposition of titanium nitride. Surface and Coatings Technology, 1995, 71, 250-253.	2.2	3
193	Elementary processes in thin film formation stimulated by high energy ion irradiation. Vacuum, 1994, 45, 1221-1225.	1.6	4
194	Interaction between copper and point defects in protonâ€irradiated silicon. Journal of Applied Physics, 1992, 71, 4212-4216.	1.1	15
195	Ion-activated interface adsorption of oxygen during silver deposition on silicon. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1991, 10, 279-284.	1.7	5
196	Application of dynamic ion mixing in platinum silicide formation. Applied Surface Science, 1991, 53, 159-164.	3.1	2
197	Simultaneous ion implantation and deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 115, 193-196.	2.6	7
198	Investigation of the Agî—¸Si interface formed under simultaneous irradiation using a high energy ion beam. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1989, 2, 203-206.	1.7	4

#	Article	IF	Citations
199	Optical Properties of DLC-Ag Nanocomposite and Grating Structures on their Base. Applied Mechanics and Materials, 0, 490-491, 53-57.	0.2	7