

Georgi B Hadjichristov

List of Publications by Year in descending order

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papers

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1163117

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1058476

14
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26
all docs

26
docs citations

26
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	Reflectivity modification of polymethylmethacrylate by silicon ion implantation. Applied Surface Science, 2008, 254, 4820-4827.	6.1	42
2	Optical reflectivity study of silicon ion implanted poly(methyl methacrylate). Applied Surface Science, 2009, 256, 779-786.	6.1	20
3	Orientation of sp^2 carbon nanoclusters in ion-implanted polymethylmethacrylate as revealed by polarized Raman spectroscopy. Journal of Raman Spectroscopy, 2011, 42, 1340-1343.	2.5	18
4	Electro-optically responsive composites of gold nanospheres in 5CB liquid crystal under direct current and alternating current joint action. Journal of Applied Physics, 2014, 115, 083107.	2.5	18
5	Linear size gradient single layers of polymer-dispersed liquid crystal micrometer-sized droplets for diffractive optics. Optical Materials, 2009, 31, 1578-1585.	3.6	15
6	Gradient polymer-disposed liquid crystal single layer of large nematic droplets for modulation of laser light. Applied Optics, 2011, 50, 2326.	2.1	15
7	Single-Layered PDLC for Diffractive Optics. Molecular Crystals and Liquid Crystals, 2010, 525, 128-139.	0.9	13
8	Characterization of Chemical Bonding in Ion-Implanted Polymers by Means of Mid-Infrared Reflectivity. Applied Spectroscopy, 2009, 63, 1022-1026.	2.2	11
9	Depth-profiled characterization of complex refractive index of ion implanted optically transparent polymers using multilayer calculations and reflectance data. Vacuum, 2012, 86, 1822-1827.	3.5	8
10	The luminescence response of Eu(III)-thenoyltrifluoroacetate complexes upon preresonant excitation with femtosecond laser pulses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 448-452.	3.9	7
11	Ion-implanted polymethyl methacrylate beam splitter/coupler for 155 nm applications. Applied Optics, 2010, 49, 1876.	2.1	7
12	Ellipsometrical characterization of complex refractive index depth profile of 50 keV silicon ion implanted PMMA. Vacuum, 2013, 94, 19-25.	3.5	7
13	Single-layered PDLC films for electrically variable laser light reflection application. Optics and Lasers in Engineering, 2010, 48, 1161-1165.	3.8	6
14	PEO-PVP-NaIO ₄ Ion-Conducting Polymer Electrolyte: Inspection for Ionic Space Charge Polarization and Charge Trapping. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800739.	1.8	6
15	Electro-Optics of Nematic/Gold Nanoparticles Composites: The Effect from Dopants. Molecular Crystals and Liquid Crystals, 2015, 610, 135-148.	0.9	4
16	Ion-Conducting Flexible Thin Films of Composites from Poly(ethylene oxide) and Nematic Liquid Crystals E8 Characterization by Impedance and Dielectric Relaxation Spectroscopy. Polymers, 2021, 13, 4465.	4.5	4
17	Graphene-nematic liquid crystal E7 nanocomposite: The effect from nanodopants. AIP Conference Proceedings, 2019, , .	0.4	3
18	Laser characterization of the depth profile of complex refractive index of PMMA implanted with 50 keV silicon ions. Proceedings of SPIE, 2013, , .	0.8	2

#	ARTICLE	IF	CITATIONS
19	Interferometric pump-probe characterization of the nonlocal response of optically transparent ion implanted polymers. <i>Applied Surface Science</i> , 2012, 258, 4770-4776.	6.1	1
20	Ion electrolytic flexible composite from poly(ethylene oxide) and E8 nematic liquid crystals. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
21	Electrically and spatially controllable PDLC phase gratings for diffraction and modulation of laser beams. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
22	Thermal properties and structure of nematic liquid crystalline polymer nanocomposite with single wall carbon nanotubes. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
23	UV light enhanced confined Fr�edericksz transition in photoisomerizable nematic nanocomposite with photoactive molecules of azobenzene nematic liquid crystal. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
24	Luminescence of iridium complexes upon short laser pulses. , 2019, , .		0
25	Glassy-State Discotic Liquid Crystals and Their Nanocomposites with Single-Walled Carbon Nanotubes: DSC and Optical Absorption. , 2021, , .		0
26	Electrical Impedance Spectroscopy-Based Detection and Quantification of Methanol Vapors by Use of Phospholipid Langmuir-Blodgett Film. , 2021, , .		0