Arashmid Nahal

List of Publications by Year
in descending order

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16 papers	119 citations	1307594 7 h-index	1281871 11 g-index
16 all docs	16 docs citations	16 times ranked	96 citing authors

#	Article	IF	Citations
1	Ion-beam lithography for fabrication of diffractive optical phase elements in silver-ion-exchanged glasses. Journal of Materials Science: Materials in Electronics, 2021, 32, 23349-23362.	2.2	1
2	Index of refraction variation and photoluminescence quenching in silver-ion-exchanged glasses, due to interaction with low-energy He+ beam. Journal of Materials Science: Materials in Electronics, 2020, 31, 5499-5510.	2.2	1
3	Temporal evolution of photoinduced optical chirality in nanostructured light-sensitive waveguide thin films: Simultaneous excitation of TE and TE1 modes. Journal of Applied Physics, 2019, 125, .	2.5	1
4	Surface profilometry using the incoherent self-imaging technique in reflection mode. Journal of Applied Physics, 2018, 123, 035302.	2.5	2
5	Optical chirality in AgCl-Ag thin films through formation of laser-induced planar crossed-chain nanostructures. Journal of Applied Physics, 2017, 122, 103103.	2.5	1
6	The Role of Coupled Nanoplasmon Excitation in Growth Mechanism of Laser-Induced Self-Organized Nanostructures in AgCl-Ag Waveguide Thin Films. Plasmonics, 2017, 12, 1305-1316.	3.4	3
7	Systematic Surface Phase Transition of Ag Thin Films by Iodine Functionalization at Room Temperature: Evolution of Optoelectronic and Texture Properties. Scientific Reports, 2016, 6, 21439.	3.3	11
8	Optical nano-structuring in light-sensitive AgCl-Ag waveguide thin films: wavelength effect. Optics Express, 2014, 22, 30669.	3.4	9
9	Ellipticity-dependent laser-induced optical gyrotropy in AgCl thin films doped by silver nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	13
10	High precision refractometry based on Fresnel diffraction from phase plates. Optics Letters, 2012, 37, 1493.	3.3	38
11	Thermo-electric-induced dichroism in ion-exchanged glasses: a candidate mechanism for the alignment of silver nanoparticles. Applied Physics A: Materials Science and Processing, 2012, 106, 941-947.	2.3	5
12	Linear dichroism, produced by thermo-electric alignment of silver nanoparticles on the surface of ion-exchanged glass. Applied Surface Science, 2009, 255, 7946-7950.	6.1	11
13	Beam power-dependent laser-induced fluorescence radiation quenching of silver-ion-exchanged glasses. Optical Materials, 2007, 29, 987-994.	3.6	11
14	Laser-induced anisotropy in Ag+-doped glasses. Journal of Materials Science, 2007, 42, 9075-9082.	3.7	3
15	Recording of the Polarization of Light Specified by Anisotropic Crystals with the Aid of Photoinduced Dichroism in Photosensitive Films. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf		
16	Influence of photoinduced gyrotropy on the formation of spontaneous periodic structures in light-sensitive AgClâ€“Ag thin films. Optics Communications, 1998, 154, 234-242.	2.1	9