

# Arashmid Nahal

## List of Publications by Year in descending order

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16  
papers

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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	High precision refractometry based on Fresnel diffraction from phase plates. Optics Letters, 2012, 37, 1493.	3.3	38
2	Ellipticity-dependent laser-induced optical gyrotropy in AgCl thin films doped by silver nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	13
3	Beam power-dependent laser-induced fluorescence radiation quenching of silver-ion-exchanged glasses. Optical Materials, 2007, 29, 987-994.	3.6	11
4	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
5	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
6	Influence of photoinduced gyrotropy on the formation of spontaneous periodic structures in light-sensitive AgCl-Ag thin films. Optics Communications, 1998, 154, 234-242.	2.1	9
7	Optical nano-structuring in light-sensitive AgCl-Ag waveguide thin films: wavelength effect. Optics Express, 2014, 22, 30669.	3.4	9
8	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
9	Laser-induced anisotropy in Ag <sup>+</sup> -doped glasses. Journal of Materials Science, 2007, 42, 9075-9082.	3.7	3
10	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
11	Surface profilometry using the incoherent self-imaging technique in reflection mode. Journal of Applied Physics, 2018, 123, 035302.	2.5	2
12	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
13	Temporal evolution of photoinduced optical chirality in nanostructured light-sensitive waveguide thin films: Simultaneous excitation of TE and TE <sub>1</sub> modes. Journal of Applied Physics, 2019, 125, .	2.5	1
14	Index of refraction variation and photoluminescence quenching in silver-ion-exchanged glasses, due to interaction with low-energy He <sup>+</sup> beam. Journal of Materials Science: Materials in Electronics, 2020, 31, 5499-5510.	2.2	1
15	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
16	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 ETQq0 0 0 rgBT /Overlock 10 of 50 137 T		