

Mostafa A Ellabban

List of Publications by Citations

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35
papers

394
citations

13
h-index

18
g-index

35
ext. papers

445
ext. citations

3.3
avg, IF

3.36
L-index

#	Paper	IF	Citations
35	Enhancement of lipid production and energy recovery from the green microalga <i>Chlorella vulgaris</i> by inoculum pretreatment with low-dose cold atmospheric pressure plasma (CAPP). <i>Energy Conversion and Management</i> , 2020 , 204, 112314	10.6	40
34	Neutron optical beam splitter from holographically structured nanoparticle-polymer composites. <i>Physical Review Letters</i> , 2010 , 105, 123904	7.4	37
33	Photochromism of doped terbium gallium garnet. <i>Physical Review B</i> , 2006 , 74,	3.3	32
32	Temperature dependence of optical anisotropy of holographic polymer-dispersed liquid crystal transmission gratings. <i>Physical Review E</i> , 2006 , 74, 021707	2.4	26
31	Holographic scattering in photopolymer-dispersed liquid crystals. <i>Applied Physics Letters</i> , 2005 , 87, 151104	3.4	25
30	Out-of-phase mixed holographic gratings: a quantitative analysis. <i>Optics Express</i> , 2008 , 16, 6528-36	3.3	20
29	Holographic scattering as a technique to determine the activation energy for thermal fixing in photorefractive materials. <i>Applied Physics Letters</i> , 2001 , 78, 844-846	3.4	19
28	Diffraction of slow neutrons by holographic SiO ₂ nanoparticle-polymer composite gratings. <i>Physical Review A</i> , 2011 , 84,	2.6	18
27	Specific recording kinetics as a general property of unconventional photorefractive media. <i>Physical Review Letters</i> , 2004 , 93, 243903	7.4	17
26	Characterization of parasitic gratings in LiNbO ₃ . <i>Physical Review B</i> , 2000 , 61, 15778-15784	3.3	17
25	Interferometric measurement of the physical constants of laser dye solvents. <i>Review of Scientific Instruments</i> , 1995 , 66, 38-42	1.7	17
24	Reconstruction of parasitic holograms to characterize photorefractive materials. <i>Applied Physics B: Lasers and Optics</i> , 2001 , 72, 635-640	1.9	14
23	Colossal light-induced refractive-index modulation for neutrons in holographic polymer-dispersed liquid crystals. <i>Physical Review Letters</i> , 2006 , 97, 167803	7.4	13
22	Measurement of the physical properties of cyclohexane using a laser interferometric technique. <i>Optical Materials</i> , 1996 , 5, 327-332	3.3	12
21	Diffraction gratings for neutrons from polymers and holographic polymer-dispersed liquid crystals. <i>Journal of Optics</i> , 2009 , 11, 024019		10
20	Light-induced phase and amplitude gratings in centrosymmetric Gadolinium Gallium garnet doped with calcium. <i>Optics Express</i> , 2006 , 14, 593-602	3.3	10
19	Effect of electric field and temperature on holographic scattering from holographic polymer-dispersed liquid crystals. <i>Optical Materials</i> , 2007 , 29, 1416-1422	3.3	9

18	Angular and wavelength selectivity of parasitic holograms in cerium doped strontium barium niobate. <i>Journal of Applied Physics</i> , 2004 , 96, 6987-6993	2.5	9
17	Out-of-phase mixed holographic gratings : a quantative analysis: erratum. <i>Optics Express</i> , 2009 , 17, 23350,3	0.3	8
16	A Comprehensive Study of Photorefractive Properties in Poly(ethylene glycol) Dimethacrylate-Ionic Liquid Composites. <i>Materials</i> , 2016 , 10,	3.5	6
15	Electro-optic properties of aligned and non-aligned polymer dispersed liquid crystals driven by an amplitude-modulated electric signal. <i>Optik</i> , 2019 , 186, 137-146	2.5	5
14	Peculiar behaviour of optical polarization gratings in light-sensitive liquid crystalline elastomers. <i>Optical Materials Express</i> , 2016 , 6, 961	2.6	5
13	Visible and near UV light-induced scattering of LiNbO ₃ :Fe crystals and material characterization. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 012401	1.4	4
12	Holographic scattering in the ultraviolet spectral range in iron-doped lithium niobate. <i>Europhysics Letters</i> , 2005 , 70, 471-477	1.6	4
11	Huge retardation of grating formation in holographic polymer-dispersed liquid crystals. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 91, 11-15	1.9	3
10	Role of optical extinction in holographic polymer-dispersed liquid crystals 2007 ,		3
9	Light- and Neutron-Optical Properties of Holographic Transmission Gratings from Polymer-Ionic Liquid Composites with Submicron Grating Spacing. <i>Polymers</i> , 2019 , 11,	4.5	2
8	Thermal fixing of holographic gratings in nearly stoichiometric LiNbO ₃ crystals 2001 ,		2
7	Activation energy of thermal fixing in LiNbO ₃ : a comparative study 2002 , 4607, 313		2
6	Properties of diffraction gratings holographically recorded in poly(ethylene glycol)dimethacrylate-ionic liquid composites 2017 ,		1
5	A Method to Determine H ⁺ Concentration in Dehydrated Iron Doped Lithium Niobate Using Photorefractive Beam Fanning Effect. <i>Ferroelectrics</i> , 2007 , 352, 118-124	0.6	1
4	Neutron diffraction from holographic polymer-dispersed liquid crystals 2007 ,		1
3	Activation Energy of Proton Migration in Mn- and Fe-Doped Lithium Niobate Obtained by Holographic Methods. <i>Radiation Effects and Defects in Solids</i> , 2003 , 158, 173-179	0.9	1
2	Retrieving the refractive index profile of a holographic grating by diffraction experiments 2019 ,		1
1	Spectroscopic investigation of the plasma jet interaction with water. <i>Journal of Physics: Conference Series</i> , 2017 , 869, 012072	0.3	

