

# Mostafa A Ellabban

## List of Publications by Year in descending order

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35  
papers

488  
citations

623574

14  
h-index

677027

22  
g-index

35  
all docs

35  
docs citations

35  
times ranked

403  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.4	70
2	Neutron Optical Beam Splitter from Holographically Structured Nanoparticle-Polymer Composites. <i>Physical Review Letters</i> , 2010, 105, 123904.	2.9	49
3	Photochromism of doped terbium gallium garnet. <i>Physical Review B</i> , 2006, 74, .	1.1	37
4	Holographic scattering in photopolymer-dispersed liquid crystals. <i>Applied Physics Letters</i> , 2005, 87, 151101.	1.5	28
5	Temperature dependence of optical anisotropy of holographic polymer-dispersed liquid crystal transmission gratings. <i>Physical Review E</i> , 2006, 74, 021707.	0.8	28
6	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.	1.5	23
7	Out-of-phase mixed holographic gratings : a quantative analysis. <i>Optics Express</i> , 2008, 16, 6528.	1.7	23
8	Diffraction of slow neutrons by holographic SiO <sub>2</sub> nanoparticle-polymer composite gratings. <i>Physical Review A</i> , 2011, 84, .	1.0	22
9	Interferometric measurement of the physical constants of laser dye solvents. <i>Review of Scientific Instruments</i> , 1995, 66, 38-42.	0.6	21
10	Specific Recording Kinetics as a General Property of Unconventional Photorefractive Media. <i>Physical Review Letters</i> , 2004, 93, 243903.	2.9	21
11	Characterization of parasitic gratings in LiNbO <sub>3</sub> . <i>Physical Review B</i> , 2000, 61, 15778-15784.	1.1	19
12	Reconstruction of parasitic holograms to characterize photorefractive materials. <i>Applied Physics B: Lasers and Optics</i> , 2001, 72, 635-640.	1.1	15
13	Colossal Light-Induced Refractive-Index Modulation for Neutrons in Holographic Polymer-Dispersed Liquid Crystals. <i>Physical Review Letters</i> , 2006, 97, 167803.	2.9	15
14	Measurement of the physical properties of cyclohexane using a laser interferometric technique. <i>Optical Materials</i> , 1996, 5, 327-332.	1.7	14
15	Diffraction gratings for neutrons from polymers and holographic polymer-dispersed liquid crystals. <i>Journal of Optics</i> , 2009, 11, 024019.	1.5	12
16	Light-induced phase and amplitude gratings in centrosymmetric Gadolinium Gallium garnet doped with calcium. <i>Optics Express</i> , 2006, 14, 593.	1.7	10
17	A Comprehensive Study of Photorefractive Properties in Poly(ethylene glycol) Dimethacrylate Ionic Liquid Composites. <i>Materials</i> , 2017, 10, 9.	1.3	10
18	Angular and wavelength selectivity of parasitic holograms in cerium doped strontium barium niobate. <i>Journal of Applied Physics</i> , 2004, 96, 6987-6993.	1.1	9

#	ARTICLE	IF	CITATIONS
19	Effect of electric field and temperature on holographic scattering from holographic polymer-dispersed liquid crystals. <i>Optical Materials</i> , 2007, 29, 1416-1422.	1.7	9
20	Out-of-phase mixed holographic gratings : a quantative analysis: erratum. <i>Optics Express</i> , 2009, 17, 23350.	1.7	9
21	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.	1.4	7
22	Peculiar behaviour of optical polarization gratings in light-sensitive liquid crystalline elastomers. <i>Optical Materials Express</i> , 2016, 6, 961.	1.6	6
23	Role of optical extinction in holographic polymer-dispersed liquid crystals. , 2007, , .		5
24	Holographic scattering in the ultraviolet spectral range in iron-doped lithium niobate. <i>Europhysics Letters</i> , 2005, 70, 471-477.	0.7	4
25	Huge retardation of grating formation in holographic polymer-dispersed liquid crystals. <i>Applied Physics B: Lasers and Optics</i> , 2008, 91, 11-15.	1.1	4
26	Visible and near UV light-induced scattering of LiNbO <sub>3</sub> :Fe crystals and material characterization. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 012401.	0.8	4
27	<title>Thermal fixing of holographic gratings in nearly stoichiometric LiNbO <sub>3</sub> crystals</title> . , 2001, , .		3
28	<title>Activation energy of thermal fixing in LiNbO <sub>3</sub> : a comparative study</title> . , 2002, 4607, 313.		2
29	A Method to Determine H <sup>+</sup> Concentration in Dehydrated Iron Doped Lithium Niobate Using Photorefractive Beam Fanning Effect. <i>Ferroelectrics</i> , 2007, 352, 118-124.	0.3	2
30	Neutron diffraction from holographic polymer-dispersed liquid crystals. , 2007, , .		2
31	Light- and Neutron-Optical Properties of Holographic Transmission Gratings from Polymer-Ionic Liquid Composites with Submicron Grating Spacing. <i>Polymers</i> , 2019, 11, 1459.	2.0	2
32	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.	0.4	1
33	Properties of diffraction gratings holographically recorded in poly(ethylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td (glyco		
34	Retrieving the refractive index profile of a holographic grating by diffraction experiments. , 2019, , .		1
35	Spectroscopic investigation of the plasma jet interaction with water. <i>Journal of Physics: Conference Series</i> , 2017, 869, 012072.	0.3	0