

# Jess Atencia

## List of Publications by Citations

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30  
papers

222  
citations

9  
h-index

13  
g-index

39  
ext. papers

288  
ext. citations

3.2  
avg, IF

2.96  
L-index

#	Paper	IF	Citations
30	Characterization of volume holographic optical elements recorded in Bayfol HX photopolymer for solar photovoltaic applications. <i>Optics Express</i> , <b>2016</b> , 24, A720-30	3.3	37
29	Holographic lenses for building integrated concentrating photovoltaics. <i>Applied Energy</i> , <b>2013</b> , 110, 227-235	13.7	35
28	Broadband behavior of transmission volume holographic optical elements for solar concentration. <i>Optics Express</i> , <b>2015</b> , 23, A671-81	3.3	18
27	Holographic solar energy systems: The role of optical elements. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 59, 130-140	16.2	17
26	High power vortex generation with volume phase holograms and non-linear experiments in gases. <i>Applied Physics B: Lasers and Optics</i> , <b>2008</b> , 91, 115-118	1.9	17
25	Holographic optical element to generate achromatic vortices. <i>Optics Express</i> , <b>2013</b> , 21, 21056-61	3.3	12
24	Characterization of transmission volume holographic gratings recorded in Slavich PFG04 dichromated gelatin plates. <i>Applied Optics</i> , <b>2009</b> , 48, 4348-53	0.2	10
23	Outdoor performance evaluation of a holographic solar concentrator optimized for building integration. <i>Applied Energy</i> , <b>2019</b> , 250, 1073-1084	10.7	9
22	Full modeling and experimental validation of cylindrical holographic lenses recorded in Bayfol HX photopolymer and partly operating in the transition regime for solar concentration. <i>Optics Express</i> , <b>2018</b> , 26, A398-A412	3.3	9
21	Silver halide sensitized gelatin process effects in holographic lenses recorded on Slavich PFG-01 plates. <i>Applied Optics</i> , <b>2003</b> , 42, 805-10	1.7	6
20	Field improvement in a uniaxial centered lens composed of two stacked-volume holographic elements. <i>Applied Optics</i> , <b>1999</b> , 38, 4011-8	1.7	6
19	Energy Simulation of a Holographic PVT Concentrating System for Building Integration Applications. <i>Energies</i> , <b>2016</b> , 9, 577	3.1	6
18	Construction and characterization of compound holographic lenses for multichannel one-dimensional Fourier transformation and optical parallel processing. <i>Optics Communications</i> , <b>2005</b> , 249, 85-94	2	5
17	HOE recording with non-spherical waves. <i>Journal of Optics</i> , <b>2001</b> , 3, 53-60		5
16	Partitioned-field uniaxial holographic lenses. <i>Applied Optics</i> , <b>2002</b> , 41, 1872-81	1.7	4
15	Stacked volume holographic gratings for extending the operational wavelength range in LED and solar applications. <i>Applied Optics</i> , <b>2020</b> , 59, 2569-2579	1.7	4
14	Energy analysis of holographic lenses for solar concentration <b>2017</b> ,		3

13	Compensation of second-order dispersion in femtosecond pulses after filamentation using volume holographic transmission gratings recorded in dichromated gelatin. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 106, 135-141	1.9	3
12	Partitioned-field holographic lenses composed of three noncentered uniaxial systems. <i>Applied Optics</i> , <b>2003</b> , 42, 6445-51	1.7	3
11	Anamorphic white light Fourier processor with holographic lenses. <i>Applied Optics</i> , <b>2006</b> , 45, 8706-13	1.7	2
10	Ray aberration for a biaxial holographic imaging system. <i>Optics Communications</i> , <b>2001</b> , 199, 325-344	2	2
9	Ray tracing for holographic optical element recording with non-spherical waves. <i>Journal of Optics</i> , <b>2001</b> , 3, 387-397		2
8	Holographic optical element to generate achromatic vortices. <i>Optics Express</i> , <b>2013</b> , 21, 21057	3.3	2
7	True colour Denisyuk-type hologram recording in Bayfol HX self-developing photopolymer <b>2017</b> ,		1
6	Field improvement in optical uniaxial centered systems composed of holographic elements <b>2000</b> , 4149, 177		1
5	Study of Full-Color Multiplexed Transmission Holograms of Diffusing Objects Recorded in Photopolymer Bayfol HX. <i>Photonics</i> , <b>2021</b> , 8, 465	2.2	1
4	Full-color multiplexed reflection hologram of diffusing objects recorded by using simultaneous exposure with different times in photopolymer Bayfol HX. <i>Optics and Laser Technology</i> , <b>2021</b> , 143, 107303	4.2	1
3	Zero reference signal for displacement measuring systems by use of speckle. <i>Applied Optics</i> , <b>2003</b> , 42, 6797-803	1.7	0
2	Volume holographic elements in Kodak 131 plates processed with SHSG method <b>2001</b> , 4419, 518		
1	Holographic volume dual-element as an optical variable beamsplitter. <i>Journal of Modern Optics</i> , <b>1999</b> , 46, 155-165	1.1	