

Roberto Fernandez

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

271
citations

840119

11
h-index

940134

16
g-index

38
all docs

38
docs citations

38
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	Holographic waveguides in photopolymers. Optics Express, 2019, 27, 827.	1.7	36
2	Two diffusion photopolymer for sharp diffractive optical elements recording. Optics Letters, 2015, 40, 3221.	1.7	22
3	Diffractive lenses recorded in absorbent photopolymers. Optics Express, 2016, 24, 1559.	1.7	22
4	Exploring binary and ternary modulations on a PA-LCoS device for holographic data storage in a PVA/AA photopolymer. Optics Express, 2015, 23, 20459.	1.7	21
5	Peristrophic multiplexed holograms recorded in a low toxicity photopolymer. Optical Materials Express, 2017, 7, 133.	1.6	20
6	Characterization and comparison of different photopolymers for low spatial frequency recording. Optical Materials, 2015, 44, 18-24.	1.7	19
7	Dimensional changes in slanted diffraction gratings recorded in photopolymers. Optical Materials Express, 2016, 6, 3455.	1.6	19
8	Optimization of Photopolymer Materials for the Fabrication of a Holographic Waveguide. Polymers, 2017, 9, 395.	2.0	18
9	Linearity in the response of photopolymers as optical recording media. Optics Express, 2013, 21, 10995.	1.7	17
10	Analysis of the Imaging Characteristics of Holographic Waveguides Recorded in Photopolymers. Polymers, 2020, 12, 1485.	2.0	15
11	Analysis of holographic polymer-dispersed liquid crystals (HPDLCs) for tunable low frequency diffractive optical elements recording. Optical Materials, 2018, 76, 295-301.	1.7	12
12	Blazed Gratings Recorded in Absorbent Photopolymers. Materials, 2016, 9, 195.	1.3	10
13	Influence of index matching on AA/PVA photopolymers for low spatial frequency recording. Applied Optics, 2015, 54, 3132.	2.1	9
14	Complex Diffractive Optical Elements Stored in Photopolymers. Polymers, 2019, 11, 1920.	2.0	8
15	Analysis of the fabrication of diffractive optical elements in photopolymers. Proceedings of SPIE, 2013, , .	0.8	5
16	Model of low spatial frequency diffractive elements recorded in photopolymers during and after recording. Optical Materials, 2014, 38, 46-52.	1.7	5
17	Modeling Diffractive Lenses Recording in Environmentally Friendly Photopolymer. Polymers, 2017, 9, 278.	2.0	3
18	Influence of the set-up on the recording of diffractive optical elements into photopolymers. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	PVA/AA photopolymers and PA-LCoS devices combined for holographic data storage. Proceedings of SPIE, 2016, , .	0.8	2
20	Front Matter: Volume 8499. , 2012, , .		1
21	Influence of Thickness on the Holographic Parameters of H-PDLC Materials. International Journal of Polymer Science, 2014, 2014, 1-7.	1.2	1
22	Influence of the photopolymer properties in the fabrication of diffractive optical elements. , 2014, , .		1
23	Study of the index matching for different photopolymers. , 2015, , .		1
24	Shrinkage measurement for holographic recording materials. , 2017, , .		1
25	3-dimensional modelling of the DOEs formation in PVA/AA photopolymers. , 2020, , .		1
26	Influence of a bleaching post-exposure treatment in the performance of H-PDLC devices with high electric conductivity. Proceedings of SPIE, 2014, , .	0.8	0
27	Front Matter: Volume 9606. , 2015, , .		0
28	Effective modeling of PA-LCoS devices and application in data storage in photopolymers. , 2016, , .		0
29	Cylindrical diffractive lenses recorded on PVA/AA photopolymers. Proceedings of SPIE, 2016, , .	0.8	0
30	Influence of the spatial frequency on the diffractive optical elements fabrication in PDLCs. , 2016, , .		0
31	Multiplexed holograms recorded in a low toxicity Biophotopol photopolymer. Proceedings of SPIE, 2017, , .	0.8	0
32	Generation of diffractive optical elements onto photopolymer using liquid crystal on silicon displays. , 2017, , .		0
33	Diffractive and Interferometric Characterization of Nanostructured Photopolymer for Sharp Diffractive Optical Elements Recording. Polymers, 2018, 10, 518.	2.0	0
34	VISUALIZATION OF STOKES PARAMETERS WITH THE HELP OF ROTATING-WAVEPLATE POLARIMETER AND A LIQUID CRYSTAL ON SILICON MICRODISPLAY. EDULEARN Proceedings, 2017, , .	0.0	0
35	Diffractive lenses in biocompatible photopolymers using LCoS. , 2017, , .		0
36	UNDERSTANDING REFLECTANCE AND ABSORBANCE USING SPECTROMETRIC MEASUREMENTS. INTED Proceedings, 2018, , .	0.0	0

#	ARTICLE	IF	CITATIONS
37	Anamorphic characterization of a PA-LCoS based holographic data storage system. , 2018, , .		0
38	Qualitative disorder measurements from backscattering spectra through an optical fiber. Biomedical Optics Express, 2020, 11, 6038.	1.5	0