

# Elisabet Perez-Cabre

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,623  
citations

516710

16  
h-index

454955

30  
g-index

62  
all docs

62  
docs citations

62  
times ranked

765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental optical encryption scheme for the double random phase encoding using a nonlinear joint transform correlator. <i>Optik</i> , 2020, 217, 164653.	2.9	11
2	Liquid Crystal Spatial Light Modulator with Optimized Phase Modulation Ranges to Display Multiorder Diffractive Elements. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2592.	2.5	9
3	Occlusion and noise tests on the encrypted image produced by a security system based on a joint transform correlator and the Fresnel transform. <i>Journal of Physics: Conference Series</i> , 2019, 1221, 012046.	0.4	3
4	Image Encryption System Based on a Nonlinear Joint Transform Correlator for the Simultaneous Authentication of Two Users. <i>Photonics</i> , 2019, 6, 128.	2.0	2
5	Nonlinear image encryption using a fully phase nonzero-order joint transform correlator in the Gyrator domain. <i>Optics and Lasers in Engineering</i> , 2017, 89, 88-94.	3.8	42
6	Spectral radiance of blue light filters on ophthalmic lenses. <i>Optica Pura Y Aplicada</i> , 2017, 50, 165-172.	0.1	1
7	Influence of a perturbation in the Gyrator domain for a joint transform correlator-based encryption system. , 2017, , .		0
8	Nonlinear joint transform correlator architectures for images encryption, decryption and authentication systems. , 2017, , .		0
9	Effects of using an encrypted image corrupted by noise and occlusion in a security system based on joint transform correlator and Gyrator transform. , 2016, , .		1
10	First-order and multi-order diffractive lens using a device with 8i€ phase modulation range. , 2016, , .		1
11	Roadmap on optical security. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 083001.	2.2	338
12	Image quality and security through nonlinear joint transform encryption. , 2016, , .		0
13	Real-Time Non-Intrusive Assessment of Viewing Distance during Computer Use. <i>Optometry and Vision Science</i> , 2016, 93, 1525-1531.	1.2	4
14	Blinking supervision in a working environment. <i>Journal of Biomedical Optics</i> , 2016, 21, 025005.	2.6	4
15	Blink Rate and Incomplete Blinks in Six Different Controlled Hard-Copy and Electronic Reading Conditions. , 2015, 56, 6679.		90
16	Secure image encryption and authentication using the photon counting technique in the Gyrator domain. , 2015, , .		0
17	Photon-counting multifactor optical encryption and authentication. <i>Journal of Optics (United Kingdom)</i> , 2015, 16, 125405.	2.2	28
18	Generalized formulation of an encryption system based on a joint transform correlator and fractional Fourier transform. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 125405.	2.2	34

#	ARTICLE	IF	CITATIONS
19	Programmable diffractive lens for ophthalmic application. <i>Optical Engineering</i> , 2014, 53, 061709.	1.0	0
20	Nonlinear optical security system based on a joint transform correlator in the Fresnel domain. <i>Applied Optics</i> , 2014, 53, 1674.	1.8	57
21	Images encryption system based on a fractional joint transform correlator and nonlinear filtering. <i>Optica Pura Y Aplicada</i> , 2014, 47, 35-41.	0.1	14
22	Joint transform correlator-based encryption system using the Fresnel transform and nonlinear filtering. <i>Proceedings of SPIE</i> , 2013, , .	0.8	17
23	Static and dynamic amplitude modulation of light in a twisted nematic liquid crystal display. , 2013, , .		0
24	Ophthalmic compensation of visual ametropia based on a programmable diffractive lens. , 2013, , .		0
25	Improved decryption quality and security of a joint transform correlator-based encryption system. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 025401.	2.2	59
26	Photon-counting double-random-phase encoding for secure image verification and retrieval. <i>Journal of Optics (United Kingdom)</i> , 2012, 14, 094001.	2.2	76
27	Information authentication using photon-counting double-random-phase encrypted images. <i>Optics Letters</i> , 2011, 36, 22.	3.3	204
28	Optical implementation of multifocal programmable lens with single and multiple axes. <i>Journal of Physics: Conference Series</i> , 2011, 274, 012050.	0.4	2
29	Experimental color encryption in a joint transform correlator architecture. <i>Journal of Physics: Conference Series</i> , 2011, 274, 012054.	0.4	8
30	Photon-counting imaging based double-random-phase encryption for information security and verification. , 2011, , .		0
31	Information compression for remote readable ID tags. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 115404.	2.2	5
32	Optical Techniques for Information Security. <i>Proceedings of the IEEE</i> , 2009, 97, 1128-1148.	21.3	295
33	Dynamic calibration for improving the speed of a parallel-aligned liquid-crystal-on-silicon display. <i>Applied Optics</i> , 2009, 48, 4616.	2.1	11
34	Improved design of optical ID tags for remote validation. , 2009, , .		0
35	Advances in LCoS SLM characterization for improved optical performance in image processing. <i>Proceedings of SPIE</i> , 2008, , .	0.8	7
36	Optical ID Tags for Secure Verification of Multispectral Visible and NIR Signatures. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0

#	ARTICLE	IF	CITATIONS
37	Compensation of inherent wavefront distortion in zero-twist LCoS spatial light modulators. AIP Conference Proceedings, 2008, , .	0.4	0
38	Optical ID tags for automatic vehicle identification and authentication. , 2008, , .		1
39	Multiplexing schemes for an achromatic programmable diffractive lens. Journal of Physics: Conference Series, 2008, 139, 012016.	0.4	0
40	Optical Validation Of Combined Images For High-Secure Identification. ID Tags And Processors.. AIP Conference Proceedings, 2007, , .	0.4	0
41	Encryption and validation of multiple signals for optical identification systems. Journal of Physics: Conference Series, 2007, 77, 012008.	0.4	0
42	Optical resources for highly secure remote object authentication. Proceedings of SPIE, 2007, , .	0.8	0
43	Near infrared multifactor identification tags. Optics Express, 2007, 15, 15615.	3.4	20
44	Multipoint phase calibration for improved compensation of inherent wavefront distortion in parallel aligned liquid crystal on silicon displays. Applied Optics, 2007, 46, 5667.	2.1	83
45	Design of Distortion-Invariant Optical ID Tags for Remote Identification and Verification of Objects. , 2007, , 207-226.		5
46	Multifactor authentication reinforces optical security. Optics Letters, 2006, 31, 721.	3.3	41
47	Chromatic compensation of programmable Fresnel lenses. Optics Express, 2006, 14, 6226.	3.4	32
48	Dynamic compensation of chromatic aberration in a programmable diffractive lens. Optics Express, 2006, 14, 9103.	3.4	48
49	High secure authentication by optical multifactor ID tags. , 2006, , .		3
50	Secure verification by multifactor optical validation. , 2006, , .		0
51	Optical Validation of Multiple Signals for Highly Secure Verification. AIP Conference Proceedings, 2006, , .	0.4	0
52	Imaging Characteristics Of Programmable Lenses Generated By SLM. AIP Conference Proceedings, 2006, , .	0.4	2
53	Visible and NIR spectral band combination to produce high security ID tags for automatic identification. , 2006, , .		3
54	Image analysis of contact lens grading scales for objective grade assignment of ocular complications. , 2005, 5827, 418.		1

#	ARTICLE	IF	CITATIONS
55	Detection and authentication of objects by using distortion-invariant optical ID tags. , 2005, , .		2
56	Remote optical ID tag recognition and verification using fully spatial phase multiplexing. , 2005, , .		6
57	Scale and Rotation Invariant Optical ID Tags for Automatic Vehicle Identification and Authentication. IEEE Transactions on Vehicular Technology, 2005, 54, 1295-1303.	6.3	19
58	Remote object authentication using distortion-invariant ID tags. , 2005, , .		1
59	Distortion-invariant ID tags for object identification. , 2004, , .		2
60	<title>Image processing of standard grading scales for objective assessment of contact lens wear complications</title>. , 2004, , .		2
61	Nonlinear techniques for secure optical encryption and multifactor authentication. , 0, , .		0