Jorge Ojeda-Castaneda

List of Publications by Year
in descending order

64	882	566801 15	476904 29
papers	citations	h-index	g-index

65	65	65	328
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High focal depth with fractional-power wave fronts. Optics Letters, 2004, 29, 560.	1.7	87
2	Zone plate for arbitrarily high focal depth. Applied Optics, 1990, 29, 994.	2.1	76
3	Asymmetric phase masks for extended depth of field. Applied Optics, 2004, 43, 3474.	2.1	73
4	Tunable axial superresolution by annular binary filters. Application to confocal microscopy. Optics Communications, 1995, 119, 491-498.	1.0	72
5	Arbitrarily high focal depth with a quasioptimum real and positive transmittance apodizer. Applied Optics, 1989, 28, 2666.	2.1	66
6	High focal depth by apodization and digital restoration. Applied Optics, 1988, 27, 2583.	2.1	63
7	Bessel annular apodizers: imaging characteristics. Applied Optics, 1987, 26, 2770.	2.1	36
8	Annular phase-only mask for high focal depth. Optics Letters, 2005, 30, 1647.	1.7	36
9	Nondiffracting beams and the self-imaging phenomenon. Optics Communications, 1991, 83, 1-4.	1.0	34
10	Tuning field depth at high resolution by pupil engineering. Advances in Optics and Photonics, 2015, 7, 814.	12.1	34
11	On-axis diffractional behavior of two-dimensional pupils. Applied Optics, 1994, 33, 2223.	2.1	29
12	Zero axial irradiance by annular screens with angular variation. Applied Optics, 1992, 31, 4600.	2.1	28
13	Apodization of annular apertures: Strehl ratio. Applied Optics, 1988, 27, 5140.	2.1	23
14	Conjugate phase plate use in analysis of the frequency response of imaging systems designed for extended depth of field. Applied Optics, 2008, 47, E99.	2.1	23
15	Bow-tie effect: differential operator. Applied Optics, 2006, 45, 7878.	2.1	21
16	Numerical optimization of phase-only elements based on the fractional Talbot effect. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1999, 16, 97.	0.8	12
17	Talbot interferometer with simultaneous dark and bright fields. Applied Optics, 1989, 28, 1517.	2.1	11
18	Talbot interferometry: a new geometry. Optics Communications, 1993, 96, 294-301.	1.0	11

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19	Tunable apodizers and tunable focalizers using helical pairs. Photonics Letters of Poland, 2013, 5, .	0.2	10
20	Isotropic Hilbert transform by anisotropic spatial filtering. Applied Optics, 1986, 25, 4035.	2.1	9
21	Electro-optic time lens with an extended time aperture. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2110.	0.9	9
22	Multiple-frame photography for extended depth of field. Applied Optics, 2013, 52, D84.	0.9	9
23	Tunable field depth: hyperbolic optical masks. Applied Optics, 2017, 56, A104.	2.1	9
24	Temporal Lau effect: Noncoherent regeneration of periodic pulse trains. Journal of the European Optical Society-Rapid Publications, 2006, 1, .	0.9	8
25	Hopkins procedure for tunable magnification: surgical spectacles. Applied Optics, 2020, 59, D59.	0.9	8
26	Two-conjugate zoom system: the zero-throw advantage. Applied Optics, 2020, 59, 7099.	0.9	8
27	Zone plates with cells apodized by Legendre profiles. Applied Optics, 1990, 29, 1299.	2.1	7
28	Synthesis of analog apodizers with binary angular sectors. Applied Optics, 1995, 34, 317.	2.1	7
29	Holographic interferometer with tunable radial and lateral displacement. Applied Optics, 1990, 29, 949.	2.1	6
30	Fresnel similarity. Optics Communications, 2005, 249, 397-405.	1.0	6
31	MoirÃ© with zone plates pseudo-randomly encoded. Optics Communications, 1993, 97, 157-161.	1.0	5
32	Ambiguity function analysis of pulse train propagation: applications to temporal Lau filtering. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 2268.	0.8	5
33	Adaptive photodetector for assisted Talbot effect. Applied Optics, 2008, 47, 3778.	2.1	5
34	<title>Phase mask for high focal depth</title>. , 1999, 3749, 14.		4
35	Lau visibility sensor. Optics Communications, 2019, 453, 124320.	1.0	4
36	Pseudo zone plate for extended focal depth. Optical Memory and Neural Networks (Information) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.4	3

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37	Novel free-form optical pairs for tunable focalizers. Journal of Optics (India), 2014, 43, 85-91.	0.8	3
38	Tunable focalizers: phase conjugate pairs. , 2019, , .		3
39	Phase-Space Representations in Optics: introduction to the feature issue. Applied Optics, 2008, 47, PSO1.	2.1	2
40	Comments on â€œOptimized non-integer order phase mask to extend the depth of field of an imaging systemâ€•by Jiang Liu, Erlong Miao, Yongxin Sui, Huaijiang Yang, Opt. Commun. 374 (1) (2016) 92. Optics Communications, 2016, 381, 443.	1.0	2
41	Helical phase masks for controlling optical vortices: Necessary and sufficient conditions. Optics Communications, 2020, 470, 126047.	1.0	2
42	High light-throughput noncoherent channels. Optics Communications, 2021, 498, 127228.	1.0	2
43	Pseudo-random masks for angular alignment. Applied Optics, 2017, 56, 7869.	0.9	2
44	Reducing field depth: annular Hadamard masks. Applied Optics, 2020, 59, 6632.	0.9	2
45	<title>Antialiasing filter with high-pupil apertures</title>. , 1999, 3749, 767.		1
46	Multichannel image storage with image processing capabilities. Optics Communications, 2004, 230, 131-135.	1.0	1
47	Side-lobe suppression in electro-optic pulse generation. Electronics Letters, 2007, 43, 414.	0.5	1
48	Tunable telephoto: governable Fourier spectrum anamorphic scaling. OSA Continuum, 2021, 4, 815.	1.8	1
49	Spectacles with tunable anamorphic ratio. Journal of Optics (India), 2021, 50, 453-458.	0.8	1
50	Optical Processors as Conceptual Tools for Designing Nonconventional Devices. Springer Series in Optical Sciences, 2015, , 117-146.	0.5	1
51	Tunable Optical Masks for extended Depth of Field. , 2015, , .		1
52	Scalar Diffraction: Differential Operators, Matrices, and Eigen Functions. Springer Series in Optical Sciences, 2021, , 19-38.	0.5	0
53	Groundwork: Modeling Tools for Image Formation. Springer Series in Optical Sciences, 2021, , 1-18.	0.5	0
54	Eclectic Blueprints: Phase-Space Representations. Springer Series in Optical Sciences, 2021, , 135-153.	0.5	0

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55	Figures of Merit: Tolerances and Aberration Balancing. Springer Series in Optical Sciences, 2021, , 107-134.	0.5	0
56	Optical Linear Systems Under Coherent Illumination. Springer Series in Optical Sciences, 2021, , 39-63.	0.5	0
57	Phase-Space representations for Phase Engineering. , 2005, , .		0
58	Extended Depth of Field: Axially Merging Foci. , 2006, , .		0
59	Novel Optical Devices for Extended Field of View. , 2009, , .		0
60	Tunable optical arrays for extended depth of field. , 2011, , .		0
61	Tunable complex amplitude masks for computer imaging. , 2012, , .		0
62	Schlieren masks: square root monomials, sigmoidal functions, and off-axis Gaussians. Applied Optics, 2020, 59, 3589.	0.9	0
63	Extended axial irradiances: Barker rings. Optics Express, 2021, 29, 39709-39717.	1.7	0
64	Noncoherent binary phase coding: Sequential dual channels. Optics Communications, 2022, 508, 127707.	1.0	0