

# Francisco Jose Torcal-Milla

## List of Publications by Year in descending order

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43  
papers

418  
citations

840776

11  
h-index

839539

18  
g-index

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43  
docs citations

43  
times ranked

246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near field diffraction of steel tape gratings illuminated with finite-size incoherent sources. <i>Optik</i> , 2022, 251, 168326.	2.9	4
2	Sector-based Fresnel zone plate with extended depth of focus. <i>Optics and Laser Technology</i> , 2022, 154, 108294.	4.6	7
3	A diffraction experiment at the near field: the homemade Talbot effect. <i>Physics Education</i> , 2022, 57, 055020.	0.5	0
4	A simple approach to the suppression of the Gibbs phenomenon in diffractive numerical calculations. <i>Optik</i> , 2021, 247, 167921.	2.9	1
5	Optimization of angular diffractive lenses with extended depth of focus. <i>Journal of Optics (United Kingdom)</i> , 2021, 21, 085605.	2.2	0
6	Far field diffraction of gratings with two roughness levels. <i>Journal of Optics (United Kingdom)</i> , 2019, 19, 2161.	2.9	1
7	Numerical model of the inhomogeneous scattering by the human lens. <i>Biomedical Optics Express</i> , 2019, 10, 2161.	2.9	1
8	Far-field diffraction of linear chirped gratings. <i>Optics and Laser Technology</i> , 2018, 107, 337-343.	4.6	2
9	Single-focus binary Fresnel zone plate. <i>Optics and Laser Technology</i> , 2017, 97, 316-320.	4.6	7
10	Near-field diffraction-based focal length determination technique. <i>Optics and Lasers in Engineering</i> , 2017, 92, 105-109.	3.8	4
11	Diffraction by gratings with random fill factor. <i>Applied Optics</i> , 2017, 56, 5253.	2.1	9
12	Collimation technique and testing applied to finite size polychromatic sources. <i>Applied Optics</i> , 2017, 56, 3628.	2.1	7
13	Proposal for a new quantum voltage standard based in optical frequency measurements. , 2016, , .		0
14	Near-field diffraction of chirped gratings. <i>Optics Letters</i> , 2016, 41, 4091.	3.3	6
15	Diffraction by random Ronchi gratings. <i>Applied Optics</i> , 2016, 55, 5855.	2.1	11
16	Dual self-image technique for beam collimation. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 075608.	2.2	7
17	Lissajous figure-based single-frame collimation technique. <i>Sensors and Actuators A: Physical</i> , 2015, 233, 259-266.	4.1	7
18	Achromatic self-imaging with finite extension light sources. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 125605.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Near field diffraction of cylindrical convex gratings. Journal of Optics (United Kingdom), 2015, 17, 035601.	2.2	4
20	Self-imaging technique for beam collimation. Optics Letters, 2014, 39, 5764.	3.3	15
21	Near field of stacked diffraction gratings. Optik, 2013, 124, 5237-5239.	2.9	1
22	Diffraction by metallic planar gratings. Applied Optics, 2013, 52, 6995.	1.8	2
23	Self-imaging of gratings with two roughness levels. Optics Communications, 2012, 285, 13-17.	2.1	7
24	Effect of Aberrations on the Self-Imaging Phenomenon. Journal of Lightwave Technology, 2011, 29, 1051-1057.	4.6	7
25	Gaussian-Schell-model beams propagating through rough gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 308.	1.5	5
26	Fast optical source for quantum key distribution based on semiconductor optical amplifiers. Optics Express, 2011, 19, 3825.	3.4	11
27	Phase-shifting Zernike phase contrast microscopy for quantitative phase measurement. Optics Letters, 2011, 36, 4305.	3.3	52
28	Use of steel substrates in diffractive optics: Near field of high surface quality steel tape gratings. Optics and Lasers in Engineering, 2011, 49, 356-360.	3.8	10
29	Self-imaging with curved gratings. Optics Communications, 2010, 283, 3869-3873.	2.1	12
30	Effect of fabrication errors on the diffraction pattern produced by sawtooth gratings. Applied Optics, 2010, 49, 1599.	2.1	3
31	Near-field diffraction of gratings with surface defects. Applied Optics, 2010, 49, 2190.	2.1	13
32	Collimation method using a double grating system. Applied Optics, 2010, 49, 3363.	2.1	11
33	Effect of surface defects on the self-images produced by diffraction gratings. , 2009, , .		0
34	Continuous self-imaging regime with a double-grating mask. Applied Optics, 2009, 48, 5722.	2.1	5
35	Self-images location of amplitude/phase binary gratings. Applied Optics, 2009, 48, 6252.	2.1	15
36	Talbot effect with aberrated beams. , 2009, , .		1

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37	Double grating systems with one steel tape grating. Optics Communications, 2008, 281, 5647-5652.	2.1	13
38	Far field of gratings with rough strips. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 828.	1.5	18
39	Self-imaging of gratings with rough strips. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 2390.	1.5	22
40	Diffraction of gratings with rough edges. Optics Express, 2008, 16, 19757.	3.4	40
41	Talbot effect with rough reflection gratings. Applied Optics, 2007, 46, 3668.	2.1	30
42	Variogram-based method for contrast measurement. Applied Optics, 2007, 46, 5027.	2.1	5
43	Talbot effect in metallic gratings under Gaussian illumination. Optics Communications, 2007, 278, 23-27.	2.1	34