

Francesco Aieta

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

9,566
citations

13
h-index

17
g-index

17
ext. papers

11,912
ext. citations

11
avg, IF

6.08
L-index

#	Paper	IF	Citations
15	Recent advances in planar optics: from plasmonic to dielectric metasurfaces. <i>Optica</i> , 2017 , 4, 139	8.6	561
14	Designing large, high-efficiency, high-numerical-aperture, transmissive meta-lenses for visible light. <i>Optics Express</i> , 2016 , 24, 5110-5124	3.3	74
13	High efficiency near diffraction-limited mid-infrared flat lenses based on metasurface reflectarrays. <i>Optics Express</i> , 2016 , 24, 18024-34	3.3	90
12	Achromatic Metasurface Lens at Telecommunication Wavelengths. <i>Nano Letters</i> , 2015 , 15, 5358-62	11.5	290
11	Near-Field Imaging of Phased Array Metasurfaces. <i>Nano Letters</i> , 2015 , 15, 3851-8	11.5	48
10	Achromatic metasurfaces by dispersive phase compensation 2015 ,		2
9	Applied optics. Multiwavelength achromatic metasurfaces by dispersive phase compensation. <i>Science</i> , 2015 , 347, 1342-5	33.3	667
8	Controlling Light Propagation with Interfacial Phase Discontinuities 2013 , 171-217		
7	Aberrations of flat lenses and aplanatic metasurfaces. <i>Optics Express</i> , 2013 , 21, 31530-9	3.3	101
6	Aberration-free ultrathin flat lenses and axicons at telecom wavelengths based on plasmonic metasurfaces. <i>Nano Letters</i> , 2012 , 12, 4932-6	11.5	1177
5	Ultra-thin plasmonic optical vortex plate based on phase discontinuities. <i>Applied Physics Letters</i> , 2012 , 100, 013101	3.4	384
4	Out-of-plane reflection and refraction of light by anisotropic optical antenna metasurfaces with phase discontinuities. <i>Nano Letters</i> , 2012 , 12, 1702-6	11.5	388
3	A broadband, background-free quarter-wave plate based on plasmonic metasurfaces. <i>Nano Letters</i> , 2012 , 12, 6328-33	11.5	839
2	Reflection and refraction of light from metasurfaces with phase discontinuities. <i>Journal of Nanophotonics</i> , 2012 , 6, 063532	1.1	33
1	Light propagation with phase discontinuities: generalized laws of reflection and refraction. <i>Science</i> , 2011 , 334, 333-7	33.3	4912