Francesco Aieta

List of Publications by Citations

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