HÃ©ctor A Chaparro-Romo

List of Publications by Year
in descending order

34 papers	175 citations	1478505 6 h-index	1372567 10 g-index
37 all docs	37 docs citations	37 times ranked	38 citing authors

#	Article	IF	Citations
1	General formula for bi-aspheric singlet lens design free of spherical aberration. Applied Optics, 2018, 57, 9341.	1.8	52
2	General formula to design a freeform singlet free of spherical aberration and astigmatism. Applied Optics, 2019, 58, 1010.	1.8	32
3	Exact equations for stigmatic singlet design meeting the Abbe sine condition. Optics Communications, 2021, 479, 126415.	2.1	15
4	Analytic solution of the eikonal for a stigmatic singlet lens. Physica Scripta, 2020, 95, 085201.	2.5	8
5	Analytic aplanatic singlet lens: setting and design for three-point objects and images in the meridional plane. Optical Engineering, 2020, 59, 1.	1.0	7
6	General stigmatic surfaces. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 298.	1.5	6
7	General mirror formula for adaptive optics. Applied Optics, 2021, 60, 375.	1.8	4
8	Bidirectional wavefront transfer function lens. Optics Communications, 2021, 498, 127215.	2.1	2
9	Uniqueness of stigmatic solutions. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 1832.	1.5	2
10	General formula to design a freeform singlet free of spherical aberration and astigmatism: reply. Applied Optics, 2020, 59, 3425.	1.8	1
11	An introduction to geometrical optics. , 0, , 3-1-3-18.		1
12	The eikonal equation. , 0, , 2-1-2-13.		1
13	Aplanatic singlet lens: general setting, part 2. , 0, , .		0
14	Topology of on-axis stigmatic lenses. , 0, , .		0
15	Aplanatic singlet lens: general setting, part 1. , 0, , .		0
16	On-axis spherochromatic singlet. , 0, , .		0
17	The stigmatic lens generated by Cartesian ovals. , 0, , .		0
18	Algorithms for stigmatic design. , 0, , .		0

#	Article	IF	Citations
19	The Maxwell equations. , 0, , .		0
20	Stigmatism and stigmatic reflective surfaces. , 0, , .		0
21	The general equation of the stigmatic lenses. , 0, , .		0
22	Optics of variations. , 0, , .		0
23	On-axis astigmatic freeform lens. , 0, , .		0
24	On-axis stigmatic freeform lens. , 0, , .		0
25	On-axis sequential refractiveâ€“reflective telescope. , 0, , .		0
26	On-axis sequential optical systems. , 0, , .		0
27	The gaxicon. , 0, , .		0
28	On-axis stigmatic aspheric lens. , 0, , .		0
29	A brief history of stigmatic lens design. , 0, , .		0
30	Off-axis stigmatic lens. , 0, , .		0
31	Geometry of on-axis stigmatic lenses. , 0, , .		0
32	Stigmatic refractive surfaces: the Cartesian ovals. , 0, , .		0
33	The stigmatic lens and the Cartesian ovals. , 0, , .		0
34	The general equation of the Cartesian oval. , 0, , .		0