

# Luis Castaeda

## List of Publications by Citations

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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.

10  
papers

139  
citations

8  
h-index

10  
g-index

10  
ext. papers

161  
ext. citations

2.2  
avg, IF

2.32  
L-index

#	Paper	IF	Citations
10	Chromium and ruthenium-doped zinc oxide thin films for propane sensing applications. <i>Sensors</i> , <b>2013</b> , 13, 3432-44	3.8	24
9	Caustics in a meridional plane produced by plano-convex conic lenses. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2011</b> , 28, 2619-28	1.8	20
8	Null Ronchi-Hartmann test for a lens. <i>Optics Express</i> , <b>2010</b> , 18, 21131-7	3.3	19
7	Properties of caustics produced by a positive lens: meridional rays. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2010</b> , 27, 2252-60	1.8	18
6	Synthesis and structural characterization of novel flower-like titanium dioxide nanostructures. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 390, 143-146	2.8	18
5	Analytic conic constants to reduce the spherical aberration of a single lens used in collimated light. <i>Applied Optics</i> , <b>2017</b> , 56, 6244-6254	1.7	10
4	Analytic aspheric coefficients to reduce the spherical aberration of lens elements used in collimated light. <i>Applied Optics</i> , <b>2014</b> , 53, 4939-46	1.7	9
3	Caustics and wavefronts by multiple reflections in a circular surface. <i>American Journal of Physics</i> , <b>2010</b> , 78, 1195-1198	0.7	8
2	Design of Hartmann type null screens for testing a plano-convex aspheric lens with a CCD sensor inside the caustic. <i>Optics Express</i> , <b>2016</b> , 24, 19405-16	3.3	8
1	Caustics in a meridional plane produced by concave conic mirrors. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2012</b> , 29, 1977-85	1.8	5