

# Serge Habraken

## List of Publications by Year in descending order

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24  
papers

1,068  
citations

840776

11  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1370  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE W. M. KECK OBSERVATORY INFRARED VORTEX CORONAGRAPH AND A FIRST IMAGE OF HIP 79124 B. <i>Astronomical Journal</i> , 2017, 153, 43.	4.7	74
2	CHARACTERIZATION OF THE INNER DISK AROUND HD 141569 A FROM KECK/NIRC2 L-BAND VORTEX CORONAGRAPHY. <i>Astronomical Journal</i> , 2017, 153, 44.	4.7	59
3	Waveguide solar concentrator design with spectrally separated light. <i>Solar Energy</i> , 2017, 157, 1005-1016.	6.1	11
4	Calibration and testing of wide-field UV instruments. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6907-6921.	2.4	2
5	Elucidating the opto-electrical properties of solid and hollow titania scattering layers for improvement of dye-sensitized solar cells. <i>Thin Solid Films</i> , 2015, 594, 115-119.	1.8	1
6	Transmitive Spectral SPR Droplet Biosensing: Principle, Sensor Design, and Experimental Demonstration. <i>Plasmonics</i> , 2014, 9, 519-526.	3.4	0
7	An in-line shearography setup based on circular polarization gratings. <i>Optics and Lasers in Engineering</i> , 2013, 51, 1053-1059.	3.8	9
8	Substrate Mode-Integrated SPR Sensor. <i>Plasmonics</i> , 2013, 8, 1203-1208.	3.4	2
9	Morphological and opto-electrical properties of a solution deposited platinum counter electrode for low cost dye sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19799.	2.8	5
10	Nonimaging achromatic shaped Fresnel lenses for ultrahigh solar concentration. <i>Optics Letters</i> , 2013, 38, 1730.	3.3	21
11	Performance comparison of four kinds of flat nonimaging Fresnel lenses made of polycarbonates and polymethyl methacrylate for concentrated photovoltaics. <i>Optics Letters</i> , 2011, 36, 2743.	3.3	6
12	Surface plasmon resonance-based biosensors: From the development of different SPR structures to novel surface functionalization strategies. <i>Current Opinion in Solid State and Materials Science</i> , 2011, 15, 208-224.	11.5	295
13	THE OPTIMAL GRAVITATIONAL LENS TELESCOPE. <i>Astronomical Journal</i> , 2010, 139, 1935-1941.	4.7	2
14	Understanding of optical readout accuracy with micromechanical sensor cantilever monitored by surface plasmon resonance. <i>Optics Communications</i> , 2009, 282, 3018-3023.	2.1	3
15	Simultaneous coherent imaging and strain measurement using coupled photorefractive holography and shearography. <i>Optics Letters</i> , 2008, 33, 797.	3.3	7
16	Fresnel rhombs as achromatic phase shifters for infrared nulling interferometry. <i>Optics Express</i> , 2007, 15, 12850.	3.4	29
17	Quantitative Accelerated Life Testing of MEMS Accelerometers. <i>Sensors</i> , 2007, 7, 2846-2859.	3.8	21
18	Use of subwavelength gratings in TIR incidence as achromatic phase shifters. <i>Optics Express</i> , 2005, 13, 8686.	3.4	8

#	ARTICLE	IF	CITATIONS
19	Summary of quantitative interpretation of IMAGE far ultraviolet auroral data. Space Science Reviews, 2003, 109, 255-283.	8.1	60
20	Space solar arrays and concentrators. Acta Astronautica, 2001, 48, 421-429.	3.2	16
21	Far ultraviolet imaging from the IMAGE spacecraft. 1. System design. Space Science Reviews, 2000, 91, 243-270.	8.1	211
22	Far ultraviolet imaging from the IMAGE spacecraft. 3. Spectral imaging of Lyman- $\hat{\pm}$ and OI 135.6 nm. Space Science Reviews, 2000, 91, 287-318.	8.1	194
23	Polarizing holographic beam splitter on a photoresist. Optics Letters, 1995, 20, 2348.	3.3	24
24	Computer-originated polarizing holographic optical element recorded in photopolymerizable layers. Optics Letters, 1993, 18, 738.	3.3	8