

# Julien Jaeck

## List of Publications by Year in descending order

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46  
papers

478  
citations

932766

10  
h-index

676716

22  
g-index

46  
all docs

46  
docs citations

46  
times ranked

632  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic planar antenna for wideband and efficient linear polarization conversion. Applied Physics Letters, 2014, 104, .	1.5	99
2	Total routing and absorption of photons in dual color plasmonic antennas. Applied Physics Letters, 2011, 99, .	1.5	85
3	Shaping the spatial and spectral emissivity at the diffraction limit. Applied Physics Letters, 2015, 107, .	1.5	70
4	Absorbing metasurface created by diffractionless disordered arrays of nanoantennas. Applied Physics Letters, 2015, 107, .	1.5	25
5	Room-temperature electroluminescence in the mid-infrared (2-3 $\mu\text{m}$ ) from bulk chromium-doped ZnSe. Optics Letters, 2006, 31, 3501.	1.7	23
6	Near-Field and Far-Field Thermal Emission of an Individual Patch Nanoantenna. Physical Review Letters, 2018, 121, 243901.	2.9	20
7	Complex optical index of single wall carbon nanotube films from the near-infrared to the terahertz spectral range. Applied Optics, 2012, 51, 3031.	0.9	18
8	Perfect extinction in subwavelength dual metallic transmitting gratings. Optics Letters, 2011, 36, 3160.	1.7	15
9	Guided-mode resonator for thin InGaAs P-i-N short-wave infrared photo-diode. Applied Physics Letters, 2016, 108, 053501.	1.5	13
10	Extraordinary optical extinctions through dual metallic gratings. Optics Letters, 2015, 40, 661.	1.7	12
11	Nanostructured diode for infrared photodetection through nondegenerate two-photon absorption. Applied Physics Letters, 2017, 111, 041102.	1.5	11
12	High-quality-factor double Fabry-Pérot plasmonic nanoresonator. Optics Letters, 2017, 42, 5062.	1.7	11
13	Resonant metallic nanostructure for enhanced two-photon absorption in a thin GaAs p-i-n diode. Applied Physics Letters, 2014, 105, .	1.5	10
14	Electronic structure of InAs/GaSb superlattice for the modelling of MWIR pin photodiode. Infrared Physics and Technology, 2015, 70, 81-86.	1.3	9
15	Field extension inside guided-mode-resonance filters under a focused beam. Optics Letters, 2017, 42, 4187.	1.7	9
16	Light scattering by correlated disordered assemblies of nanoantennas. Applied Physics Letters, 2019, 115, .	1.5	7
17	Electrically enhanced infrared photoluminescence in Cr:ZnSe. Applied Physics Letters, 2010, 96, 211107.	1.5	6
18	Competition between sub-bandgap linear detection and degenerate two-photon absorption in gallium arsenide photodiodes. Journal of the European Optical Society-Rapid Publications, 2016, 12, .	0.9	6

#	ARTICLE	IF	CITATIONS
19	MTF measurements of a type-II superlattice infrared focal plane array sealed in a cryocooler. Optics Express, 2018, 26, 11034.	1.7	5
20	Extracting more than two orthogonal derivatives from a Shack-Hartmann wavefront sensor. Optics Express, 2021, 29, 5193.	1.7	4
21	Experimental demonstration of second-harmonic generation in high $\tilde{\kappa}^2$ metasurfaces. Optics Letters, 2021, 46, 1466.	1.7	4
22	Mason's rule and Signal Flow Graphs applied to subwavelength resonant structures. Optics Express, 2012, 20, 27155.	1.7	3
23	L-shaped metallic antenna for linear polarization conversion in reflection. , 2015, , .		3
24	MTF and FPN measurements to evaluate midwave infrared T2SL focal plane arrays. , 2017, , .		2
25	Multi-frame linear regressive filter for the measurement of infrared pixel spatial response and MTF from sparse data. Optics Express, 2018, 26, 5200.	1.7	2
26	Spectrally exclusive phase masks for wavefront coding. Optics Letters, 2021, 46, 436.	1.7	2
27	Multispectral inhomogeneous metasurface for emissivity control. Proceedings of SPIE, 2016, , .	0.8	1
28	Pixel-sized infrared filters for a multispectral focal plane array. Applied Optics, 2018, 57, 391.	0.9	1
29	Methodology of optimisation for a nanostructured two-photon absorption photodetector. Journal of the European Optical Society-Rapid Publications, 2021, 17, .	0.9	1
30	Study of disordered metallic groove arrays with a one-mode analytical model. Optics Express, 2020, 28, 22549.	1.7	1
31	Electrically Enhanced Infrared Photoluminescence in Cr:ZnSe. AIP Conference Proceedings, 2011, , .	0.3	0
32	Spectrally resolved complex transmittance measurements of infrared nanostructured devices. , 2012, , .		0
33	Dewar-cooler-integrated high sensitivity MWIR wave front sensor. , 2013, , .		0
34	Real-time tailoring of the spectral shape of infrared transmission filters using anti-resonant anomalies. , 2013, , .		0
35	Comparison of the electro-optical performances of MWIR InAs/GaSb superlattice pin photodiode and FPA with asymmetrical designs. Proceedings of SPIE, 2014, , .	0.8	0
36	Plasmonic planar antenna for wideband and efficient linear polarization conversion. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Plasmonic nano-antennas for spectral emissivity engineering. Proceedings of SPIE, 2015, , .	0.8	0
38	Plasmonic planar antenna for spectral and spatial manipulation of the polarization. Proceedings of SPIE, 2015, , .	0.8	0
39	New design of InGaAs guided-mode resonance photodiode for SWIR low dark current imaging. Proceedings of SPIE, 2016, , .	0.8	0
40	Controlling the emissivity with plasmonic nano-antennas. Proceedings of SPIE, 2016, , .	0.8	0
41	Far-field to near-field investigation of thermal radiation emitted by a single optical nanoantenna. , 2017, , .		0
42	Development of a Cryogenic Test Bench for Spectral MTF Measurement on Midwave Infrared Focal Plane Arrays. Journal of Electronic Materials, 2020, 49, 6957-6962.	1.0	0
43	Osez lâ€™ <sup>TM</sup> optoÃ©lectronique (infrarouge) colloÃ±dale !. Photoniques, 2012, , 54-57.	0.0	0
44	Nanostructured diode for infrared photodetection through non degenerate two-photon absorption. , 2017, , .		0
45	Limited-size guided-mode resonance filters under focused beams. , 2017, , .		0
46	Spectrum estimation from truncated, non-linearly phase shifted or irregularly sampled interferograms. Optics Express, 2020, 28, 13871.	1.7	0