

Julien Jaeck

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4733992/publications.pdf>

Version: 2024-02-01

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	Extracting more than two orthogonal derivatives from a Shack-Hartmann wavefront sensor. Optics Express, 2021, 29, 5193.	1.7	4
2	Experimental demonstration of second-harmonic generation in high k^2 metasurfaces. Optics Letters, 2021, 46, 1466.	1.7	4
3	Methodology of optimisation for a nanostructured two-photon absorption photodetector. Journal of the European Optical Society-Rapid Publications, 2021, 17, .	0.9	1
4	Spectrally exclusive phase masks for wavefront coding. Optics Letters, 2021, 46, 436.	1.7	2
5	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
6	Study of disordered metallic groove arrays with a one-mode analytical model. Optics Express, 2020, 28, 22549.	1.7	1
7	Spectrum estimation from truncated, non-linearly phase shifted or irregularly sampled interferograms. Optics Express, 2020, 28, 13871.	1.7	0
8	Light scattering by correlated disordered assemblies of nanoantennas. Applied Physics Letters, 2019, 115, .	1.5	7
9	Near-Field and Far-Field Thermal Emission of an Individual Patch Nanoantenna. Physical Review Letters, 2018, 121, 243901.	2.9	20
10	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
11	MTF measurements of a type-II superlattice infrared focal plane array sealed in a cryocooler. Optics Express, 2018, 26, 11034.	1.7	5
12	Pixel-sized infrared filters for a multispectral focal plane array. Applied Optics, 2018, 57, 391.	0.9	1
13	MTF and FPN measurements to evaluate midwave infrared T2SL focal plane arrays. , 2017, , .		2
14	Nanostructured diode for infrared photodetection through nondegenerate two-photon absorption. Applied Physics Letters, 2017, 111, 041102.	1.5	11
15	High-quality-factor double Fabry-Pérot plasmonic nanoresonator. Optics Letters, 2017, 42, 5062.	1.7	11
16	Far-field to near-field investigation of thermal radiation emitted by a single optical nanoantenna. , 2017, , .		0
17	Field extension inside guided-mode-resonance filters under a focused beam. Optics Letters, 2017, 42, 4187.	1.7	9
18	Nanostructured diode for infrared photodetection through non degenerate two-photon absorption. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Limited-size guided-mode resonance filters under focused beams. , 2017, , .		0
20	New design of InGaAs guided-mode resonance photodiode for SWIR low dark current imaging. Proceedings of SPIE, 2016, , .	0.8	0
21	Guided-mode resonator for thin InGaAs P-i-N short-wave infrared photo-diode. Applied Physics Letters, 2016, 108, 053501.	1.5	13
22	Multispectral inhomogeneous metasurface for emissivity control. Proceedings of SPIE, 2016, , .	0.8	1
23	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
24	Controlling the emissivity with plasmonic nano-antennas. Proceedings of SPIE, 2016, , .	0.8	0
25	Shaping the spatial and spectral emissivity at the diffraction limit. Applied Physics Letters, 2015, 107, .	1.5	70
26	Extraordinary optical extinctions through dual metallic gratings. Optics Letters, 2015, 40, 661.	1.7	12
27	Plasmonic nano-antennas for spectral emissivity engineering. Proceedings of SPIE, 2015, , .	0.8	0
28	L-shaped metallic antenna for linear polarization conversion in reflection. , 2015, , .		3
29	Plasmonic planar antenna for spectral and spatial manipulation of the polarization. Proceedings of SPIE, 2015, , .	0.8	0
30	Electronic structure of InAs/GaSb superlattice for the modelling of MWIR pin photodiode. Infrared Physics and Technology, 2015, 70, 81-86.	1.3	9
31	Absorbing metasurface created by diffractionless disordered arrays of nanoantennas. Applied Physics Letters, 2015, 107, .	1.5	25
32	Plasmonic planar antenna for wideband and efficient linear polarization conversion. Applied Physics Letters, 2014, 104, .	1.5	99
33	Resonant metallic nanostructure for enhanced two-photon absorption in a thin GaAs p-i-n diode. Applied Physics Letters, 2014, 105, .	1.5	10
34	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
35	Plasmonic planar antenna for wideband and efficient linear polarization conversion. , 2014, , .		0
36	Dewar-cooler-integrated high sensitivity MWIR wave front sensor. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Real-time tailoring of the spectral shape of infrared transmission filters using anti-resonant anomalies. , 2013, , .		0
38	Mason's rule and Signal Flow Graphs applied to subwavelength resonant structures. Optics Express, 2012, 20, 27155.	1.7	3
39	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
40	Spectrally resolved complex transmittance measurements of infrared nanostructured devices. , 2012, , .		0
41	Optoelectronique (infrarouge) colloïdale !. Photoniques, 2012, , 54-57.	0.0	0
42	Total routing and absorption of photons in dual color plasmonic antennas. Applied Physics Letters, 2011, 99, .	1.5	85
43	Electrically Enhanced Infrared Photoluminescence in Cr:ZnSe. AIP Conference Proceedings, 2011, , .	0.3	0
44	Perfect extinction in subwavelength dual metallic transmitting gratings. Optics Letters, 2011, 36, 3160.	1.7	15
45	Electrically enhanced infrared photoluminescence in Cr:ZnSe. Applied Physics Letters, 2010, 96, 211107.	1.5	6
46	Room-temperature electroluminescence in the mid-infrared (2-3 μ m) from bulk chromium-doped ZnSe. Optics Letters, 2006, 31, 3501.	1.7	23