

Jongwon Lee

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,348
citations

623734

14
h-index

677142

22
g-index

37
all docs

37
docs citations

37
times ranked

1794
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant nonlinear response from plasmonic metasurfaces coupled to intersubband transitions. <i>Nature</i> , 2014, 511, 65-69.	27.8	550
2	Gradient Nonlinear Pancharatnam-Berry Metasurfaces. <i>Physical Review Letters</i> , 2015, 115, 207403.	7.8	190
3	Ultrafast Electrically Tunable Polaritonic Metasurfaces. <i>Advanced Optical Materials</i> , 2014, 2, 1057-1063.	7.3	93
4	Ultrathin gradient nonlinear metasurface with a giant nonlinear response. <i>Optica</i> , 2016, 3, 283.	9.3	89
5	Ultrathin Second-Harmonic Metasurfaces with Record-High Nonlinear Optical Response. <i>Advanced Optical Materials</i> , 2016, 4, 664-670.	7.3	86
6	Experimental Demonstration of Phase Modulation and Motion Sensing Using Graphene-Integrated Metasurfaces. <i>Nano Letters</i> , 2016, 16, 3607-3615.	9.1	84
7	Plasmon-Enhanced Infrared Spectroscopy Based on Metamaterial Absorbers with Dielectric Nanopedestals. <i>ACS Photonics</i> , 2018, 5, 3492-3498.	6.6	43
8	Electrically tunable nonlinear polaritonic metasurface. <i>Nature Photonics</i> , 2022, 16, 72-78.	31.4	34
9	Giant Nonlinear Circular Dichroism from Intersubband Polaritonic Metasurfaces. <i>Nano Letters</i> , 2020, 20, 8032-8039.	9.1	32
10	Third-Harmonic Generation from Plasmonic Metasurfaces Coupled to Intersubband Transitions. <i>Advanced Optical Materials</i> , 2019, 7, 1801510.	7.3	24
11	Ultrasensitive Molecule Detection Based on Infrared Metamaterial Absorber with Vertical Nanogap. <i>Small Methods</i> , 2021, 5, e2100277.	8.6	19
12	Generation of E-band metasurface-based vortex beam with reduced divergence angle. <i>Scientific Reports</i> , 2020, 10, 8289.	3.3	19
13	Spin-Controlled Nonlinear Harmonic Generations from Plasmonic Metasurfaces Coupled to Intersubband Transitions. <i>Advanced Optical Materials</i> , 2020, 8, 2000004.	7.3	15
14	Fano Metamaterials on Nanopedestals for Plasmon-Enhanced Infrared Spectroscopy. <i>Scientific Reports</i> , 2019, 9, 7834.	3.3	14
15	Thermopile detector of light ellipticity. <i>Nature Communications</i> , 2016, 7, 12994.	12.8	12
16	Difference-Frequency Generation in Polaritonic Intersubband Nonlinear Metasurfaces. <i>Advanced Optical Materials</i> , 2018, 6, 1800681.	7.3	12
17	E-Band Metasurface-Based Orbital Angular Momentum Multiplexing and Demultiplexing. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	12
18	Broadly wavelength tunable bandpass filters based on long-range surface plasmon polaritons. <i>Optics Letters</i> , 2011, 36, 3744.	3.3	11

#	ARTICLE	IF	CITATIONS
19	Widely tunable thermo-optic plasmonic bandpass filter. Applied Physics Letters, 2013, 103, 181115.	3.3	3
20	Aqueous Microlenses for Localized Collection and Enhanced Raman Spectroscopy of Gaseous Molecules. Advanced Optical Materials, 2021, 9, 2101209.	7.3	3
21	Metasurfaces: Ultrafast Electrically Tunable Polaritonic Metasurfaces (Advanced Optical Materials) Tj ETQq1 1 0.784314 rgBT ₁ /Overlo	7.3	1
22	Nonlinear optics with quantum-engineered intersubband metamaterials. , 2015, , .		1
23	Standoff Detection and Identification of Liquid Chemicals on a Reflective Substrate Using a Wavelength-Tunable Quantum Cascade Laser. Sensors, 2022, 22, 3172.	3.8	1
24	Widely tunable waveguide filters based on long-range surface plasmon polaritons. , 2011, , .		0
25	Widely wavelength tunable optical filters using characteristics of long-range surface plasmon polaritons. , 2012, , .		0
26	Active Epsilon-Near-Zero Infrared Metamaterials. , 2015, , .		0
27	Highly-nonlinear quantum-engineered polaritonic metasurfaces. Proceedings of SPIE, 2015, , .	0.8	0
28	Ultrathin nonlinear metasurfaces. , 2016, , .		0
29	Flat nonlinear optics: metasurfaces for efficient frequency mixing. , 2017, , .		0
30	Electrically tunable quarter waveplate based on intersubband polaritonic metasurfaces. , 2021, , .		0
31	Ultrasensitive Molecule Detection Based on Infrared Metamaterial Absorber with Vertical Nanogap (Small Methods 8/2021). Small Methods, 2021, 5, 2170034.	8.6	0
32	Ohmic Loss Produces Chiral Dichroism in Plasmonic Metasurfaces: First Experimental Demonstration. , 2015, , .		0
33	Giant nonlinear response of polaritonic metasurfaces coupled to intersubband transition. , 2015, , .		0
34	Monolithic bipolar thermopile detector sensitive to light ellipticity. , 2016, , .		0