

Seung-Yeol Lee

List of Publications by Year in descending order

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39
papers

1,300
citations

516710

16
h-index

377865

34
g-index

39
all docs

39
docs citations

39
times ranked

1418
citing authors

#	ARTICLE	IF	CITATIONS
1	Special issue on realistic and immersive media technologies. ETRI Journal, 2022, 44, 7-9.	2.0	0
2	Hybrid State Engineering of Phase-Change Metasurface for All-Optical Cryptography. Advanced Functional Materials, 2021, 31, 2007210.	14.9	49
3	Asymmetric Diffraction in Plasmonic Meta-Gratings Using an IT-Shaped Nanoslit Array. Sensors, 2021, 21, 4097.	3.8	2
4	Numerical analysis on a viewing angle enhancement of a digital hologram by attaching a pixelated random phase mask. Applied Optics, 2021, 60, A54.	1.8	2
5	Physicochemical Modulation of Nanometer-Thick Etalon Films for Liquid-Sensitive Color Display with Full-Color Spectrum Generation. ACS Applied Nano Materials, 2021, 4, 389-395.	5.0	5
6	Asymmetric optical camouflage: tuneable reflective colour accompanied by the optical Janus effect. Light: Science and Applications, 2020, 9, 175.	16.6	39
7	Ultracompact Plasmonic Meta-pixel for Arbitrary Polarization Detection. Plasmonics, 2020, 15, 1781-1788.	3.4	3
8	Precise capture and dynamic relocation of nanoparticulate biomolecules through dielectrophoretic enhancement by vertical nanogap architectures. Nature Communications, 2020, 11, 2804.	12.8	22
9	Dynamic phase-change metafilm absorber for strong designer modulation of visible light. Nanophotonics, 2020, 10, 713-725.	6.0	12
10	Metasurface with Nanostructured Ge ₂ Sb ₂ Te ₅ as a Platform for Broadband-Operating Wavefront Switch. Advanced Optical Materials, 2019, 7, 1900171.	7.3	78
11	Compensation of spin-orbit interaction using the geometric phase of distributed nanoslits for polarization-independent plasmonic vortex generation. Optics Express, 2019, 27, 19119.	3.4	13
12	Complete amplitude and phase control of light using broadband holographic metasurfaces. Nanoscale, 2018, 10, 4237-4245.	5.6	299
13	Tunable Plasmonic Absorber Using a Nanoslit Array Patterned on a Ge ₂ Sb ₂ Te ₅ -Inserted Fabry-Pérot Resonator. Journal of Lightwave Technology, 2018, 36, 5857-5862.	4.6	17
14	Highly Sensitive Color Tunability by Scalable Nanomorphology of a Dielectric Layer in Liquid-Permeable Metal-Insulator-Metal Structure. ACS Applied Materials & Interfaces, 2018, 10, 38581-38587.	8.0	17
15	Nitrogen Doping Effect for Improving Operation Reliability of Phase Modulator Using Ge ₂ Sb ₂ Te ₅ Thin Film for Hologram Image Implementation. Journal of Nanoscience and Nanotechnology, 2018, 18, 6033-6039.	0.9	3
16	Design Method of Tunable Pixel with Phase-Change Material for Diffractive Optical Elements. ETRI Journal, 2017, 39, 390-397.	2.0	8
17	Near-field focus steering along arbitrary trajectory via multi-lined distributed nanoslits. Scientific Reports, 2016, 6, 33317.	3.3	14
18	A double-lined metasurface for plasmonic complex-field generation. Laser and Photonics Reviews, 2016, 10, 299-306.	8.7	38

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19	Plasmonic Directional Beam Switching With Tilted Nanoslit Array Surrounded By Gratings. Journal of Lightwave Technology, 2016, 34, 1368-1372.	4.6	5
20	Spin-Direction Control of High-Order Plasmonic Vortex With Double-Ring Distributed Nanoslits. IEEE Photonics Technology Letters, 2015, 27, 705-708.	2.5	41
21	Plasmonic meta-slit: shaping and controlling near-field focus. Optica, 2015, 2, 6.	9.3	95
22	Plasmonic cavity-apertures as dynamic pixels for the simultaneous control of colour and intensity. Nature Communications, 2015, 6, 7133.	12.8	47
23	Polarization-multiplexed plasmonic phase generation with distributed nanoslits. Optics Express, 2015, 23, 15598.	3.4	35
24	Hybrid Multibands of Surface Plasmon and Fabry-Pérot Resonances. IEEE Photonics Technology Letters, 2014, 26, 2027-2030.	2.5	2
25	Switchable surface plasmon dichroic splitter modulated by optical polarization. Laser and Photonics Reviews, 2014, 8, 777-784.	8.7	11
26	Intermediate plasmonic characteristics in a quasi-continuous metallic monolayer. Scientific Reports, 2014, 4, 3696.	3.3	5
27	Phase-controlled directional switching of surface plasmon polaritons via beam interference. Laser and Photonics Reviews, 2013, 7, 273-279.	8.7	19
28	Tunable subwavelength hot spot of dipole nanostructure based on VO ₂ phase transition. Optics Express, 2013, 21, 15205.	3.4	14
29	Plasmonics in Nanoslit for Manipulation of Light. IEEE Access, 2013, 1, 371-383.	4.2	13
30	Tunable hot spot based on the VO ₂ phase transition materials. , 2013, , .		0
31	Switchable beaming from metal slit by controlling excitation phase of surface plasmons. , 2013, , .		0
32	Optical properties with the dependency on the coherence length of light in multilayer structures. , 2012, , .		0
33	Dynamic switching of the chiral beam on the spiral plasmonic bullseye structure [Invited]. Applied Optics, 2011, 50, G104.	2.1	11
34	Highly efficient plasmonic interconnector based on the asymmetric junction between metal-dielectric-metal and dielectric slab waveguides. Optics Express, 2011, 19, 9562.	3.4	17
35	Negative Refraction of Airy Plasmons in a Metal-Insulator-Metal Waveguide. IEEE Photonics Technology Letters, 2011, 23, 1258-1260.	2.5	6
36	Polarization Singularities in the Metal-Insulator-Metal Surface Plasmon Polariton Waveguide. IEEE Journal of Quantum Electronics, 2010, 46, 1577-1581.	1.9	7

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37	Surface plasmon beam splitting by the photon tunneling through the plasmonic nanogap. Applied Physics Letters, 2010, 97, 133113.	3.3	19
38	Synthesis and Dynamic Switching of Surface Plasmon Vortices with Plasmonic Vortex Lens. Nano Letters, 2010, 10, 529-536.	9.1	332
39	Plasmonic beam shaping and hot spot generation. , 2010, , .		0