Seung-Yeol Lee

List of Publications by Year
in descending order

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	Synthesis and Dynamic Switching of Surface Plasmon Vortices with Plasmonic Vortex Lens. Nano Letters, 2010, 10, 529-536.	9.1	332
2	Complete amplitude and phase control of light using broadband holographic metasurfaces. Nanoscale, 2018, 10, 4237-4245.	5.6	299
3	Plasmonic meta-slit: shaping and controlling near-field focus. Optica, 2015, 2, 6.	9.3	95
4	Metasurface with Nanostructured Ge₂Sb₂Te₅ as a Platform for Broadbandâ€Operating Wavefront Switch. Advanced Optical Materials, 2019, 7, 1900171.	7.3	78
5	Hybrid State Engineering of Phaseâ€Change Metasurface for Allâ€Optical Cryptography. Advanced Functional Materials, 2021, 31, 2007210.	14.9	49
6	Plasmonic cavity-apertures as dynamic pixels for the simultaneous control of colour and intensity. Nature Communications, 2015, 6, 7133.	12.8	47
7	Spin-Direction Control of High-Order Plasmonic Vortex With Double-Ring Distributed Nanoslits. IEEE Photonics Technology Letters, 2015, 27, 705-708.	2.5	41
8	Asymmetric optical camouflage: tuneable reflective colour accompanied by the optical Janus effect. Light: Science and Applications, 2020, 9, 175.	16.6	39
9	A doubleâ€lined metasurface for plasmonic complexâ€field generation. Laser and Photonics Reviews, 2016, 10, 299-306.	8.7	38
10	Polarization-multiplexed plasmonic phase generation with distributed nanoslits. Optics Express, 2015, 23, 15598.	3.4	35
11	Precise capture and dynamic relocation of nanoparticulate biomolecules through dielectrophoretic enhancement by vertical nanogap architectures. Nature Communications, 2020, 11, 2804.	12.8	22
12	Surface plasmon beam splitting by the photon tunneling through the plasmonic nanogap. Applied Physics Letters, 2010, 97, 133113.	3.3	19
13	Phaseâ€controlled directional switching of surface plasmon polaritons via beam interference. Laser and Photonics Reviews, 2013, 7, 273-279.	8.7	19
14	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
15	Tunable Plasmonic Absorber Using a Nanoslit Array Patterned on a Ge₂Sb₂Te₅-Inserted Fabryâ€“PÃ©rot Resonator. Journal of Lightwave Technology, 2018, 36, 5857-5862.	4.6	17
16	Highly Sensitive Color Tunablility by Scalable Nanomorphology of a Dielectric Layer in Liquid-Permeable Metalâ€“Insulatorâ€“Metal Structure. ACS Applied Materials & Interfaces, 2018, 10, 38581-38587.	8.0	17
17	Tunable subwavelength hot spot of dipole nanostructure based on VO_2 phase transition. Optics Express, 2013, 21, 15205.	3.4	14
18	Near-field focus steering along arbitrary trajectory via multi-lined distributed nanoslits. Scientific Reports, 2016, 6, 33317.	3.3	14

#	Article	IF	Citations
19	Plasmonics in Nanoslit for Manipulation of Light. IEEE Access, 2013, 1, 371-383.	4.2	13
20	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
21	Dynamic phase-change metafilm absorber for strong designer modulation of visible light. Nanophotonics, 2020, 10, 713-725.	6.0	12
22	Dynamic switching of the chiral beam on the spiral plasmonic bullâ€™s eye structure [Invited]. Applied Optics, 2011, 50, G104.	2.1	11
23	Switchable surface plasmon dichroic splitter modulated by optical polarization. Laser and Photonics Reviews, 2014, 8, 777-784.	8.7	11
24	Design Method of Tunable Pixel with Phase-Change Material for Diffractive Optical Elements. ETRI Journal, 2017, 39, 390-397.	2.0	8
25	Polarization Singularities in the Metal-Insulator-Metal Surface Plasmon Polariton Waveguide. IEEE Journal of Quantum Electronics, 2010, 46, 1577-1581.	1.9	7
26	Negative Refraction of Airy Plasmons in a Metalâ€“Insulatorâ€“Metal Waveguide. IEEE Photonics Technology Letters, 2011, 23, 1258-1260.	2.5	6
27	Intermediate plasmonic characteristics in a quasi-continuous metallic monolayer. Scientific Reports, 2014, 4, 3696.	3.3	5
28	Plasmonic Directional Beam Switching With Tilted Nanoslit Array Surrounded By Gratings. Journal of Lightwave Technology, 2016, 34, 1368-1372.	4.6	5
29	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
30	Nitrogen Doping Effect for Improving Operation Reliability of Phase Modulator Using Ge₂Sb₂Te₅ Thin Film for Hologram Image Implementation. Journal of Nanoscience and Nanotechnology, 2018, 18, 6033-6039.	0.9	3
31	Ultracompact Plasmonic Meta-pixel for Arbitrary Polarization Detection. Plasmonics, 2020, 15, 1781-1788.	3.4	3
32	Hybrid Multibands of Surface Plasmon and Fabry-PÃ©rot Resonances. IEEE Photonics Technology Letters, 2014, 26, 2027-2030.	2.5	2
33	Asymmetric Diffraction in Plasmonic Meta-Gratings Using an IT-Shaped Nanoslit Array. Sensors, 2021, 21, 4097.	3.8	2
34	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
35	Plasmonic beam shaping and hot spot generation. , 2010, , .		0
36	Optical properties with the dependency on the coherence length of light in multilayer structures. , 2012, , .		0

#	Article	IF	Citations
37	Tunable hot spot based on the VO<inf>2</inf> phase transition materials. , 2013, , .		0
38	Switchable beaming from metal slit by controlling excitation phase of surface plasmons. , 2013, , .		0
39	Special issue on realistic and immersive media technologies. ETRI Journal, 2022, 44, 7-9.	2.0	0