

Min-Kyo Seo

List of Publications by Year in descending order

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citations

331538

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72
docs citations

72
times ranked

3351
citing authors

#	ARTICLE	IF	CITATIONS
1	Au@Ag Core-Shell Nanocubes for Efficient Plasmonic Light Scattering Effect in Low Bandgap Organic Solar Cells. ACS Nano, 2014, 8, 3302-3312.	7.3	228
2	Electrically driven subwavelength optical nanocircuits. Nature Photonics, 2014, 8, 244-249.	15.6	219
3	Plasmonic Forward Scattering Effect in Organic Solar Cells: A Powerful Optical Engineering Method. Scientific Reports, 2013, 3, .	1.6	215
4	Size-Controlled Nanoparticle-Guided Assembly of Block Copolymers for Convex Lens-Shaped Particles. Journal of the American Chemical Society, 2014, 136, 9982-9989.	6.6	132
5	Low-power nano-optical vortex trapping via plasmonic diablo nanoantennas. Nature Communications, 2011, 2, 582.	5.8	108
6	Nanogap-Rich Au Nanowire SERS Sensor for Ultrasensitive Telomerase Activity Detection: Application to Gastric and Breast Cancer Tissues Diagnosis. Advanced Functional Materials, 2017, 27, 1701832.	7.8	86
7	Electrically driven nanobeam laser. Nature Communications, 2013, 4, .	5.8	83
8	Shape-Dependent Light Scattering Properties of Subwavelength Silicon Nanoblocks. Nano Letters, 2015, 15, 1759-1765.	4.5	78
9	Au@Polymer Core-Shell Nanoparticles for Simultaneously Enhancing Efficiency and Ambient Stability of Organic Optoelectronic Devices. ACS Applied Materials & Interfaces, 2014, 6, 16956-16965.	4.0	71
10	Characteristics of electrically driven two-dimensional photonic crystal lasers. IEEE Journal of Quantum Electronics, 2005, 41, 1131-1141.	1.0	61
11	Full Three-Dimensional Subwavelength High-Q Surface-Plasmon-Polariton Cavity. Nano Letters, 2009, 9, 4078-4082.	4.5	60
12	Low threshold current single-cell hexapole mode photonic crystal laser. Applied Physics Letters, 2007, 90, 171122.	1.5	54
13	Microstructured Air Cavities as High-Index Contrast Substrates with Strong Diffraction for Light-Emitting Diodes. Nano Letters, 2016, 16, 3301-3308.	4.5	42
14	A Double-Strip Plasmonic Waveguide Coupled to an Electrically Driven Nanowire LED. Nano Letters, 2013, 13, 772-776.	4.5	40
15	Modal Characteristics in a Single-Nanowire Cavity with a Triangular Cross Section. Nano Letters, 2008, 8, 4534-4538.	4.5	38
16	Rainbow Radiating Single-Crystal Ag Nanowire Nanoantenna. Nano Letters, 2012, 12, 2331-2336.	4.5	34
17	Antenna electrodes for controlling electroluminescence. Nature Communications, 2012, 3, 1005.	5.8	32
18	Reconfigurable Periodic Liquid Crystal Defect Array via Modulation of Electric Field. Advanced Materials Technologies, 2019, 4, 1900454.	3.0	29

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19	Power flow from a dipole emitter near an optical antenna. <i>Optics Express</i> , 2011, 19, 19084.	1.7	27
20	Ultrasmall square-lattice zero-cell photonic crystal laser. <i>Applied Physics Letters</i> , 2008, 93, 011104.	1.5	25
21	Switching of Photonic Crystal Lasers by Graphene. <i>Nano Letters</i> , 2017, 17, 1892-1898.	4.5	23
22	Extreme anti-reflection enhanced magneto-optic Kerr effect microscopy. <i>Nature Communications</i> , 2020, 11, 5937.	5.8	21
23	Reconfigurable microfiber-coupled photonic crystal resonator. <i>Optics Express</i> , 2007, 15, 17241.	1.7	20
24	Polarization-selective resonant photonic crystal photodetector. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	19
25	Polarized vertical beaming of an engineered hexapole mode laser. <i>Optics Express</i> , 2009, 17, 6074.	1.7	19
26	Ultra-specific Zeptomole MicroRNA Detection by Plasmonic Nanowire Interstice Sensor with Bi-temperature Hybridization. <i>Small</i> , 2014, 10, 4200-4206.	5.2	19
27	Nonlinear dispersive three-dimensional finite-difference time-domain analysis for photonic-crystal lasers. <i>Optics Express</i> , 2005, 13, 9645.	1.7	17
28	A Black Metal-dielectric Thin Film for High-contrast Displays. <i>Journal of the Korean Physical Society</i> , 2009, 55, 501-507.	0.3	17
29	Wavelength-scale photonic-crystal laser formed by electron-beam-induced nano-block deposition. <i>Optics Express</i> , 2009, 17, 6790.	1.7	16
30	Controlled sub-nanometer tuning of photonic crystal resonator by carbonaceous nano-dots. <i>Optics Express</i> , 2008, 16, 9829.	1.7	13
31	Two-dimensionally relocatable microfiber-coupled photonic crystal resonator. <i>Optics Express</i> , 2009, 17, 13009.	1.7	13
32	Topotaxial Fabrication of Vertical Au _x Ag _{1-x} Nanowire Arrays: Plasmon Active in the Blue Region and Corrosion Resistant. <i>Small</i> , 2012, 8, 1527-1533.	5.2	12
33	Long-range surface plasmon polariton detection with a graphene photodetector. <i>Optics Letters</i> , 2018, 43, 2889.	1.7	12
34	A twin-free single-crystal Ag nanoplate plasmonic platform: hybridization of the optical nano-antenna and surface plasmon active surface. <i>Nanoscale</i> , 2014, 6, 514-520.	2.8	11
35	Elimination of cross-talk in waveguide intersections of triangular lattice photonic crystals. <i>Optics Express</i> , 2008, 16, 11399.	1.7	10
36	Selective Pump Focusing on Individual Laser Modes in Microcavities. <i>ACS Photonics</i> , 2018, 5, 2791-2798.	3.2	10

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37	Measurements of polarization-dependent angle-resolved light scattering from individual microscopic samples using Fourier transform light scattering. <i>Optics Express</i> , 2018, 26, 7701.	1.7	10
38	Optical Metasurface-Based Holographic Stereogram. <i>Advanced Optical Materials</i> , 2020, 8, 1901970.	3.6	10
39	Design of plasmonic nano-antenna for total internal reflection fluorescence microscopy. <i>Optics Express</i> , 2013, 21, 23036.	1.7	9
40	Quantitative and Isolated Measurement of Far-Field Light Scattering by a Single Nanostructure. <i>Physical Review Applied</i> , 2017, 8, .	1.5	9
41	Near-Ultraviolet Structural Colors Generated by Aluminum Nanodisk Array for Bright Image Printing. <i>Advanced Optical Materials</i> , 2018, 6, 1800231.	3.6	9
42	Broadband two-dimensional hyperbolic metasurface for on-chip photonic device applications. <i>Optics Letters</i> , 2020, 45, 2502.	1.7	9
43	Plasmon-suppressed vertically-standing nanometal structures. <i>Optics Express</i> , 2008, 16, 1951.	1.7	8
44	Characteristics of dielectric-band modified single-cell photonic crystal lasers. <i>Optics Express</i> , 2009, 17, 1679.	1.7	8
45	Fabrication and near-field visualization of a wafer-scale dense plasmonic nanostructured array. <i>RSC Advances</i> , 2018, 8, 6444-6451.	1.7	8
46	Resonant light scattering from a single dielectric nano-antenna formed by electron beam-induced deposition. <i>Scientific Reports</i> , 2015, 5, 10400.	1.6	7
47	Polarization-resolved far-field measurement of single-cell photonic crystal lasing modes. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	6
48	Full three-dimensional power flow analysis of single-emitter plasmonic-nanoantenna system. <i>Optics Express</i> , 2015, 23, 11080.	1.7	6
49	Extraordinary optical transmission and second harmonic generation in sub-10-nm plasmonic coaxial aperture. <i>Nanophotonics</i> , 2020, 9, 3295-3302.	2.9	6
50	Resonant magneto-optic Kerr effects of a single Ni nanorod in the Mie scattering regime. <i>Optics Express</i> , 2016, 24, 16904.	1.7	5
51	Light-Driven Fabrication of a Chiral Photonic Lattice of the Helical Nanofilament Liquid Crystal Phase. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4409-4416.	4.0	5
52	Plasmonic Photonic Crystal Mirror for Long-Lived Interlayer Exciton Generation. <i>ACS Photonics</i> , 2021, 8, 3619-3626.	3.2	5
53	Subwavelength imaging in the visible range using a metal coated carbon nanotube forest. <i>Nanoscale</i> , 2014, 6, 5967-5970.	2.8	4
54	Intra-nanogap controllable Au plates as efficient, robust, and reproducible surface-enhanced Raman scattering-active platforms. <i>RSC Advances</i> , 2019, 9, 13007-13015.	1.7	3

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55	Full three-dimensional wavelength-scale plasmomechanical resonator. Optics Letters, 2021, 46, 1317.	1.7	3
56	Enhancement of Magneto-optic Kerr effect of YIG nanoparticle by backscattering suppression. Journal of Nonlinear Optical Physics and Materials, 2019, 28, 1950043.	1.1	1
57	Experimental Probing of Canonical Electromagnetic Spin Angular Momentum Distribution via Valley-Polarized Photoluminescence. Physical Review Letters, 2021, 127, 223601.	2.9	1
58	Electrically Pumped Photonic Crystal Lasers. , 2007, , .		0
59	Electrically-driven single hexapole mode photonic crystal laser using parity-selective mirrors. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
60	Reconfigurable photonic crystal resonators. , 2008, , .		0
61	Ultra-small Photonic Crystal Lasers Near Communication Wavelengths. , 2008, , .		0
62	Spatial and spectral nano-control of photonic crystal lasers. , 2008, , .		0
63	Unidirectional emission of a single-cell photonic-crystal deformed hexapole mode laser. , 2008, , .		0
64	Ultrasmall square-lattice zero-cell photonic crystal laser. , 2008, , .		0
65	Far-field Measurement of single gold nanorod scattering using total-internal-reflection illumination. , 2015, , .		0
66	Far-field Scattering Measurement of a Single Gold Nanorod Using Total-Internal-Reflection Illumination. , 2015, , .		0
67	Study of magnon-phonon non-equilibrium in a magnetic insulator Thulium iron garnet. Applied Physics Letters, 2021, 119, 152406.	1.5	0
68	Electrically Driven Nanobeam Photonic Crystal Laser. , 2013, , .		0
69	Resonant light scattering properties of a single wavelength-scale nanorod structure. , 2018, , .		0
70	Optical Excitation and Detection of Picometer-Order Longitudinal Motion in Sub-Åµm Plasmomechanical Resonator. , 2021, , .		0