Jaeho Shim

List of Publications by Year
in descending order

32	352	840776 11	839539 18
papers	citations	h-index	g-index

33	33	33	656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Partially directional microdisk laser with two Rayleigh scatterers. Optics Letters, 2014, 39, 2423.	3.3	55
2	Enhanced photovoltaic performance of inverted polymer solar cells utilizing versatile chemically functionalized ZnO@graphene quantum dot monolayer. Nano Energy, 2016, 20, 221-232.	16.0	44
3	A facile chemical synthesis of ZnO@multilayer graphene nanoparticles with fast charge separation and enhanced performance for application in solar energy conversion. Nano Energy, 2016, 25, 9-17.	16.0	35
4	Environment friendly, transparent nanofiber textiles consolidated with high efficiency PLEDs for wearable electronics. Organic Electronics, 2016, 36, 89-96.	2.6	25
5	Transparent nanofiber textiles with intercalated ZnO@graphene QD LEDs for wearable electronics. Composites Part B: Engineering, 2017, 130, 70-75.	12.0	25
6	BNNT-ZnO QDs nanocomposites for improving piezoelectric nanogenerator and piezoelectric properties of boron nitride nanotube. Nano Energy, 2022, 93, 106886.	16.0	23
7	Effective charge separation of inverted polymer solar cells using versatile MoS₂ nanosheets as an electron transport layer. Journal of Materials Chemistry A, 2019, 7, 15356-15363.	10.3	19
8	Adsorption behavior of NO2 molecules in ZnO-mono/multilayer graphene coreâ€“shell quantum dots for NO2 gas sensor. Journal of Industrial and Engineering Chemistry, 2022, 106, 279-286.	5.8	16
9	Hybrid integration of III-V semiconductor lasers on silicon waveguides using optofluidic microbubble manipulation. Scientific Reports, 2016, 6, 29841.	3.3	13
10	ZnO@graphene QDs with tuned surface functionalities formed on eco-friendly keratin nanofiber textile for transparent and flexible ultraviolet photodetectors. Organic Electronics, 2020, 77, 105489.	2.6	13
11	Synthesis and characterization of CuO/graphene (Core/shell) quantum dots for electrochemical applications. Materials Letters, 2018, 217, 113-116.	2.6	12
12	Localized Laserâ€Based Photohydrothermal Synthesis of Functionalized Metalâ€Oxides. Advanced Functional Materials, 2015, 25, 2222-2229.	14.9	11
13	Conductive Co3O4/graphene (core/shell) quantum dots as electrode materials for electrochemical pseudocapacitor applications. Composites Part B: Engineering, 2017, 130, 230-235.	12.0	10
14	Suppression of volume expansion by graphene encapsulated Co3O4 quantum dots for boosting lithium storage. Journal of Industrial and Engineering Chemistry, 2021, 95, 333-339.	5.8	10
15	Rapid and broad-range thickness estimation method of hexagonal boron nitride using Raman spectroscopy and optical microscope. Applied Physics Letters, 2020, 116, .	3.3	9
16	Charge transport effect and photovoltaic conversion of two-dimensional CdSeS quantum dot monolayers in inverted polymer solar cells. Journal of Materials Chemistry C, 2019, 7, 11797-11805.	5.5	7
17	Ultrahigh omnidirectional, broadband, and polarization-independent optical absorption over the visible wavelengths by effective dispersion engineering. Scientific Reports, 2019, 9, 9866.	3.3	6
18	Inhibition of Photoconversion Activity in Self-Assembled ZnO-Graphene Quantum Dots Aggregated by 4-Aminophenol Used as a Linker. Molecules, 2020, 25, 2802.	3.8	4

#	Article	IF	Citations
19	Thermally Enhanced Boron Nitride Nanotube/reduced Graphene Oxide Paper and Their Application. Electronic Materials Letters, 2021, 17, 500-506.	2.2	4
20	Randomly Distributed Fabry-PÃ©rot-type Metal Nanowire Resonators and Their Lasing Action. Scientific Reports, 2016, 6, 24898.	3.3	2
21	Simultaneous growth of three-dimensional carbon nanotubes and ultrathin graphite networks on copper. Scientific Reports, 2019, 9, 12344.	3.3	2
22	Direct conjugation with a zero length linker of fullerene C₇₀ to ZnO quantum dots for multicolor light-emitting diodes. Materials Horizons, 2020, 7, 1533-1541.	12.2	2
23	Improving the performance of photovoltaic cells based on nanocomposites with contorted polycyclic aromatic hydrocarbon additive in bulk heterojunction. Journal of Materials Chemistry C, 2021, 9, 13081-13089.	5.5	2
24	Nano pillar array laser with a bottom metal plane. , 2012, , .		1
25	Lasing in hybrid metal-Bragg nanocavities. Optics Letters, 2013, 38, 1694.	3.3	1
26	Optically pumped subwavelength-scale metallodielectric nanopatch resonators. Scientific Reports, 2016, 6, 31793.	3.3	1
27	Hydrothermal fabrication of patterned ZnO nanorod clusters using laser direct writing. , 2012, , .		0
28	Room-temperature lasing of a circular Bragg cavity laser with a bottom metal plane. , 2012, , .		0
29	Nanopatch cavity with a subwavelength-scale cuboidal semiconductor core. , 2013, , .		0
30	Wavelength division demultiplexer and integrated III-V semiconductor lasers on a silicon photonics platform with microbubble manipulation. , 2015, , .		0
31	Unveiling the composite structures of emissive consolidated pâ€“iâ€“n junction nanocells for white light emission. Nanoscale, 2018, 10, 13867-13874.	5.6	0
32	Tungsten oxide nonvolatile memory devices using photothermal in-situ oxidation method. Materials Letters, 2020, 272, 127805.	2.6	0