Lingling Wang

List of Publications by Citations

81 papers	1,488 citations	22 h-index	35 g-index
84 ext. papers	1,814 ext. citations	3.3 avg, IF	5.15 L-index

#	Paper	IF	Citations
81	Effect of length and size of heterojunction on the transport properties of carbon-nanotube devices. *Applied Physics Letters*, **2007**, 91, 133511	3.4	104
80	Total absorption of light in monolayer transition-metal dichalcogenides by critical coupling. *Optics Express*, **2017**, 25, 31612-31621	3.3	100
79	Enhanced dual-band absorption of molybdenum disulfide using a plasmonic perfect absorber. *Optics Express*, **2018**, 26, 11658-11666	3.3	87
78	Investigation of multiband plasmonic metamaterial perfect absorbers based on graphene ribbons by the phase-coupled method. *Carbon*, **2019**, 141, 481-487	10.4	84
77	Tunable graphene-based mid-infrared plasmonic wide-angle narrowband perfect absorber. *Scientific Reports*, **2016**, 6, 36651	4.9	76
76	Combined theoretical analysis for plasmon-induced transparency in integrated graphene waveguides with direct and indirect couplings. *Europhysics Letters*, **2015**, 111, 34004	1.6	53
75	Plasmonically induced transparency in in-plane isotropic and anisotropic 2D materials. *Optics Express*, **2020**, 28, 7980-8002	3.3	51
74	A Broadband Optical Modulator Based on a Graphene Hybrid Plasmonic Waveguide. *Journal of Lightwave Technology*, **2016**, 34, 4948-4953	4	47
73	Tunable graphene-based plasmonic multispectral and narrowband perfect metamaterial absorbers at the mid-infrared region. *Applied Optics*, **2017**, 56, 6022-6027	1.7	45
72	Graphene-based terahertz tunable plasmonic directional coupler. *Applied Physics Letters*, **2014**, 105, 081903	3.4	33
71	Polarization-insensitive and wide-angle broadband absorption enhancement of molybdenum disulfide in visible regime. *Optics Express*, **2018**, 26, 33918-33929	3.3	32
70	Tunable and multi-channel perfect absorber based on graphene at mid-infrared region. *Applied Physics Express*, **2018**, 11, 052002	2.4	30
69	Thermally switchable bifunctional plasmonic metasurface for perfect absorption and polarization conversion based on VO. *Optics Express*, **2020**, 28, 4563-4570	3.3	29
68	Visible light-activated self-powered photoelectrochemical aptasensor for ultrasensitive chloramphenicol detection based on DFT-proved Z-scheme AgCrO/g-CN/graphene oxide. *Journal of Hazardous Materials*, **2021**, 401, 123395	12.8	29
67	Mid-infrared, plasmonic switches and directional couplers induced by graphene sheets coupling system. *Europhysics Letters*, **2013**, 104, 37001	1.6	28
66	Detailed correlations between SERS enhancement and plasmon resonances in subwavelength closely spaced Au nanorod arrays. *Nanoscale*, **2018**, 10, 4267-4275	7.7	27
65	Ultrasensitive tunable terahertz sensor based on five-band perfect absorber with Dirac semimetal. *Optics Express*, **2019**, 27, 20165-20176	3.3	27

64	Bidirectional and dynamically tunable THz absorber with Dirac semimetal. *Optics Express*, **2019**, 27, 31063-31074	3.3	27
63	Tunable ultra-narrowband and wide-angle graphene-based perfect absorber in the optical communication region. *Applied Physics Express*, **2018**, 11, 105102	2.4	27
62	Fully solution-processed and multilayer blue organic light-emitting diodes based on efficient small molecule emissive layer and intergrated interlayer optimization. *Organic Electronics*, **2015**, 27, 35-40	3.5	24
61	Modulating the properties of multi-functional molecular devices consisting of zigzag gallium nitride nanoribbons by different magnetic orderings: a first-principles study. *Physical Chemistry Chemical Physics*, **2018**, 20, 5726-5733	3.6	24
60	Unexpected large nanoparticle size of single dimer hotspot systems for broadband SERS enhancement. *Optics Letters*, **2018**, 43, 2332-2335	3	23
59	Spin-dependent transport properties of a chromium porphyrin-based molecular embedded between two graphene nanoribbon electrodes. *RSC Advances*, **2014**, 4, 60376-60381	3.7	22
58	Tunable Dual-Band Perfect Absorber Based on L-Shaped Graphene Resonator. *IEEE Photonics Technology Letters*, **2019**, 31, 483-486	2.2	20
57	Strong plasmon-exciton coupling in MIM waveguide-resonator systems with WS monolayer. *Optics Express*, **2020**, 28, 205-215	3.3	19
56	Parity Effects Induced by the Resonant Electronic States Coupling in Polyacetylene-Based Devices. *Journal of Electronic Materials*, **2017**, 46, 5121-5126	1.9	17
55	Narrow-Band Plasmonic Filter Based on Graphene Waveguide with Asymmetrical Structure. *Plasmonics*, **2015**, 10, 1427-1431	2.4	17
54	Dynamically Tunable Plasmon-Induced Transparency Based on an H-Shaped Graphene Resonator. *IEEE Photonics Technology Letters*, **2018**, 30, 622-625	2.2	17
53	Two Switchable Plasmonically Induced Transparency Effects in a System with Distinct Graphene Resonators. *Nanoscale Research Letters*, **2020**, 15, 142	5	17
52	Nanomechanically induced molecular conductance switch. *Applied Physics Letters*, **2009**, 95, 232118	3.4	14
51	Ultrathin multi-band coherent perfect absorber in graphene with high-contrast gratings. *Optics Express*, **2020**, 28, 24285-24297	3.3	14
50	Direct Attack and Indirect Transfer Mechanisms Dominated by Reactive Oxygen Species for Photocatalytic H2O2 Production on g-C3N4 Possessing Nitrogen Vacancies. *ACS Catalysis*, **2021**, 11, 11440-11450	13.1	14
49	Generating and Manipulating High Quality Factors of Fano Resonance in Nanoring Resonator by Stacking a Half Nanoring. *Nanoscale Research Letters*, **2017**, 12, 578	5	13
48	Magnetic properties of ZnS doped with noble metals (X = Ru, Rh, Pd, and Ag). *Journal of Applied Physics*, **2012**, 112, 123920	2.5	13
47	Dynamically tunable plasmon-induced absorption in resonator-coupled graphene waveguide. *Europhysics Letters*, **2016**, 116, 44004	1.6	13

46	High- Q Multiple Fano Resonances Sensor in Single Dark Mode Metamaterial Waveguide Structure. *IEEE Photonics Technology Letters*, **2018**, 30, 2068-2071	2.2	13
45	Dynamically tuning the optical coupling of surface plasmons in coplanar graphene nanoribbons. *Optics Communications*, **2015**, 352, 110-115	2	12
44	Tunable double transparency windows induced by single subradiant element in coupled graphene plasmonic nanostructure. *Applied Physics Express*, **2016**, 9, 052001	2.4	12
43	Multispectral Plasmon Induced Transparency in a Defective Metasurface Plasmonic Nanostructure. *IEEE Photonics Technology Letters*, **2018**, 30, 1009-1012	2.2	12
42	Active control of narrowband total absorption based on terahertz hybrid Dirac semimetal-graphene metamaterials. *Journal Physics D: Applied Physics*, **2020**, 53, 205106	3	11
41	Numerical analysis of near-infrared plasmonic filter with high figure of merit based on Fano resonance. *Applied Physics Express*, **2017**, 10, 082201	2.4	11
40	Plasmon resonances in a stacked pair of graphene ribbon arrays with a lateral displacement. *Optics Express*, **2014**, 22, 6680-90	3.3	11
39	Characteristics of electronic and spin-independent linear conductance in conjugated aromatic polymer based molecular device. *Organic Electronics*, **2019**, 65, 49-55	3.5	11
38	Tunable Terahertz Narrow-Band Plasmonic Filter Based on Optical Tamm Plasmon in Dual-Section InSb Slot Waveguide. *Plasmonics*, **2017**, 12, 509-514	2.4	10
37	Anomalous spectral correlations between SERS enhancement and far-field optical responses in roughened Au mesoparticles. *Applied Physics Letters*, **2018**, 112, 171906	3.4	10
36	Dual-Band Plasmonic Perfect Absorber Based on the Hybrid Halide Perovskite in the Communication Regime. *Coatings*, **2021**, 11, 67	2.9	10
35	A tunable dual-band graphene-based perfect absorber in the optical communication band. *Optics and Laser Technology*, **2018**, 108, 404-408	4.2	9
34	Luminescent and photocatalytic properties of hollow SnO2 nanospheres. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2013**, 178, 725-729	3.1	9
33	Surface enhanced perfect absorption in metamaterials with periodic dielectric nanostrips on silver film. *Optics Express*, **2018**, 26, 30873-30881	3.3	9
32	Double Fano resonances excited in a compact structure by introducing a defect. *Europhysics Letters*, **2016**, 114, 57006	1.6	8
31	Perfect spin filter and strong current polarization in carbon atomic chain with asymmetrical connecting points. *Europhysics Letters*, **2014**, 105, 57003	1.6	8
30	Tunable plasmon-induced absorption in an integrated graphene nanoribbon side-coupled waveguide. *Applied Optics*, **2017**, 56, 9536-9541	1.7	8
29	A broadband and polarization-insensitive perfect absorber based on a van der Waals material in the mid-infrared regime. *Results in Physics*, **2019**, 15, 102687	3.7	6

28	Spin and band-gap engineering in zigzag graphene nanoribbons with methylene group. *Physica E: Low-Dimensional Systems and Nanostructures*, **2014**, 63, 259-263	3	6
27	Analysis of Filter and Waveguide Effect Based on the MIM Nanodisk with a Metallic Block. *Journal of Nanomaterials*, **2015**, 2015, 1-7	3.2	6
26	A comparative study on magnetism in Zn-doped AlN and GaN from first-principles. *Journal of Applied Physics*, **2014**, 116, 103908	2.5	6
25	Dynamically tunable coherent perfect absorption and transparency in Dirac semimetal metasurface. *Optical Materials Express*, **2019**, 9, 3649	2.6	5
24	Graphene-enabled reconfigurable terahertz wavefront modulator based on complete Fermi level modulated phase. *New Journal of Physics*, **2020**, 22, 063054	2.9	5
23	Dynamically tunable narrowband anisotropic total absorption in monolayer black phosphorus based on critical coupling. *Optics Express*, **2021**, 29, 2909-2919	3.3	5
22	Tunable triple-band and broad-band convertible metamaterial absorber with bulk Dirac semimetal and vanadium dioxide. *Journal Physics D: Applied Physics*, **2021**, 54, 174001	3	5
21	Tunable Nonreciprocal Graphene Waveguide With Kerr Nonlinear Material. *IEEE Photonics Technology Letters*, **2017**, 29, 1903-1906	2.2	4
20	SYNTHESIS AND LUMINESCENCE PROPERTIES OF ZnO:Eu3+ NANOWIRE ARRAYS VIA ELECTRODEPOSITED METHOD. *Functional Materials Letters*, **2010**, 03, 285-288	1.2	4
19	Plasmonically induced perfect absorption in graphene/metal system. *Nanoscale Research Letters*, **2019**, 14, 300	5	4
18	High-performance spin rectification in gallium nitride-based molecular junctions with asymmetric edge passivation. *Journal of Applied Physics*, **2018**, 124, 215102	2.5	4
17	The laser induced photoluminescence characteristics of Eu3+ doped nano-Gd2O3 (nano-Y2O3). *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 14758-14762	2.1	3
16	Laser-induced spectra change in nanocrystalline GdYO3:Eu3+. *Journal of Luminescence*, **2015**, 165, 85-87	3.8	3
15	Highly tunable dual bound states in the continuum in bulk Dirac semimetal metasurface. *Applied Physics Express*, **2021**, 14, 042002	2.4	3
14	A green Y2O3:Eu3+ phosphor influenced by laser irradiation, incendiary agents, and annealing temperatures. *Optics and Laser Technology*, **2019**, 113, 204-210	4.2	3
13	Joint connection of experiment and simulation for photocatalytic hydrogen evolution: strength, weakness, validation and complementarity. *Journal of Materials Chemistry A*, **2021**, 9, 6749-6774	13	3
12	2D nano-Y2O3:Eu3+ photoluminescence with different preparation methods and annealing temperatures. *Materials Research Express*, **2017**, 4, 035027	1.7	2
11	Multispectral Resonances and Coherent Control in Plasmonic Metasurfaces. *IEEE Photonics Technology Letters*, **2019**, 31, 319-322	2.2	2

10	First-principles calculations of half-metallic ferromagnetism in zigzag boron-nitride nanoribbons jointed with a single Fe-chain. *Journal of Semiconductors*, **2015**, 36, 082003	2.3	2
9	Tunable nonreciprocal transmission system based on MIM waveguide with Kerr nonlinear material. *Optics Communications*, **2017**, 403, 262-265	2	2
8	Spin-filtering and giant magnetoresistance effects in polyacetylene-based molecular devices. *Journal of Applied Physics*, **2017**, 122, 035103	2.5	2
7	Theoretical Analysis of Plasmon-Induced Transparency in MIM Waveguide Bragg Grating Coupled With a Single Subradiant Resonator. *IEEE Photonics Journal*, **2017**, 9, 1-8	1.8	2
6	Hydrothermal Synthesis of Ln(OH)3Nanorods and the Conversion to Ln2O3(Ln = Eu, Nd, Dy) Nanorods via Annealing Process. *Journal of Nanomaterials*, **2013**, 2013, 1-7	3.2	2
5	The total optical force exerted on black phosphorus coated dielectric cylinder pairs enhanced by localized surface plasmon. *Journal of Applied Physics*, **2021**, 130, 113103	2.5	2
4	Ultrahigh-Q Tunable Terahertz Absorber Based on Bulk Dirac Semimetal with Surface Lattice Resonance. *Photonics*, **2022**, 9, 22	2.2	2
3	Broadband coplane metamaterial filter based on two nested split-ring-resonators. *Frontiers of Optoelectronics*, **2016**, 9, 565-570	2.8	1
2	Dynamically tunable coherent perfect absorption based on bulk Dirac semimetal. *Journal of the Optical Society of America B: Optical Physics*, **2020**, 37, 1987	1.7	1
1	Investigation of the optical performance in straight hybrid plasmonic waveguides with concentric nanoring and nanodisk. *Journal of Nanophotonics*, **2015**, 9, 093095	1.1	