

Lin Gan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

1,146
citations

16
h-index

33
g-index

52
ext. papers

1,871
ext. citations

5.5
avg, IF

4.26
L-index

#	Paper	IF	Citations
46	Injection-free multiwavelength electroluminescence devices based on monolayer semiconductors driven by an alternating field.. <i>Science Advances</i> , 2022 , 8, eabl5134	14.3	3
45	Phase-Programmable Gaussian Boson Sampling Using Stimulated Squeezed Light. <i>Physical Review Letters</i> , 2021 , 127, 180502	7.4	33
44	Reconstructing Local Profile of Exciton-Emission Wavelengths across a WS Bubble beyond the Diffraction Limit. <i>ACS Nano</i> , 2020 , 14, 6931-6937	16.7	5
43	Quantum computational advantage using photons. <i>Science</i> , 2020 , 370, 1460-1463	33.3	352
42	Optical Properties and Light-Emission Device Applications of 2-D Layered Semiconductors. <i>Proceedings of the IEEE</i> , 2020 , 108, 676-703	14.3	8
41	Nanostructured silicon substrates of nanopore morphology for buffer-layer free nanoheteroepitaxial growth of InP films. <i>CrystEngComm</i> , 2019 , 21, 5559-5562	3.3	1
40	Abundant grain boundaries activate highly efficient lithium ion transportation in high rate Li4Ti5O12 compact microspheres. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1168-1176	13	18
39	Thermal design and optimization of lithium ion batteries for unmanned aerial vehicles. <i>Energy Storage</i> , 2019 , 1, e48	2.8	3
38	Group VB transition metal dichalcogenides for oxygen reduction reaction and strain-enhanced activity governed by p-orbital electrons of chalcogen. <i>Nano Research</i> , 2019 , 12, 925-930	10	27
37	Universal Descriptor for Large-Scale Screening of High-Performance MXene-Based Materials for Energy Storage and Conversion. <i>Chemistry of Materials</i> , 2018 , 30, 2687-2693	9.6	47
36	Effects of solvent on structures and properties of electrospun poly(ethylene oxide) nanofibers. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45787	2.9	28
35	High-Quality Indium Phosphide Films and Nano-Network Grown Using Low-Cost Metal-Catalyzed Vapor-Liquid-Solid Method for Photovoltaic Applications. <i>Advanced Optical Materials</i> , 2018 , 6, 1800136	8.1	2
34	Theoretical Investigation of the Intercalation Chemistry of Lithium/Sodium Ions in Transition Metal Dichalcogenides. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13599-13605	3.8	62
33	Experimental realization of Bloch oscillations in a parity-time synthetic silicon photonic lattice. <i>Nature Communications</i> , 2016 , 7, 11319	17.4	64
32	Broadband tunability of surface plasmon resonance in graphene-coating silica nanoparticles. <i>Chinese Physics B</i> , 2016 , 25, 057803	1.2	6
31	Realization of Plasmonic Microcavity with Full Transverse and Longitudinal Mode Selection. <i>Scientific Reports</i> , 2016 , 6, 27565	4.9	5
30	Unraveling the Influence of Metal Substrates on Graphene Nucleation from First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 23239-23245	3.8	18

29	First principles study of ruthenium(II) sensitizer adsorption on anatase TiO ₂ (001) surface. <i>RSC Advances</i> , 2015 , 5, 60230-60236	3.7	6
28	Photonic crystal cavities and integrated optical devices. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015 , 58, 1	3.6	8
27	Efficient manipulation of graphene absorption by a simple dielectric cylinder. <i>Optics Express</i> , 2015 , 23, 18975-87	3.3	11
26	All-Optical Modulation of a Graphene-Cladded Silicon Photonic Crystal Cavity. <i>ACS Photonics</i> , 2015 , 2, 1513-1518	6.3	52
25	Multi-channel slow light coupled-resonant waveguides based on photonic crystal with rectangular microcavities. <i>Optics Communications</i> , 2015 , 341, 257-262	2	2
24	Graphene surface plasmon polaritons transport on curved substrates. <i>Photonics Research</i> , 2015 , 3, 300	6	33
23	Multichannel W3 Y-branch filter in a two dimensional triangular-lattice photonic crystal slab. <i>Optik</i> , 2014 , 125, 7203-7206	2.5	8
22	NONRECIPROCAL ELECTROMAGNETIC DEVICES IN GYROMAGNETIC PHOTONIC CRYSTALS. <i>International Journal of Modern Physics B</i> , 2014 , 28, 1441010	1.1	6
21	Demonstration of broad photonic crystal stop band in a freely-suspended microfiber perforated by an array of rectangular holes. <i>Optics Express</i> , 2014 , 22, 2528-35	3.3	7
20	Design of an air-slot mode-gap nanocavity in a two dimensional photonic crystal slab. <i>Science Bulletin</i> , 2013 , 58, 63-67		3
19	Single-photon generation by pulsed laser in optomechanical system via photon blockade effect. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 1683	1.7	14
18	Near-field optical observations of surface plasmon wave interference at subwavelength hole arrays perforated in Au film. <i>Chinese Physics B</i> , 2013 , 22, 117302	1.2	1
17	Holographic plasmonic lenses for surface plasmons with complex wavefront profile. <i>Optics Express</i> , 2013 , 21, 17558-66	3.3	13
16	Manipulation of gold nanorods with dual-optical tweezers for surface plasmon resonance control. <i>Nanotechnology</i> , 2012 , 23, 215302	3.4	27
15	Robust and disorder-immune magnetically tunable one-way waveguides in a gyromagnetic photonic crystal. <i>Physical Review B</i> , 2012 , 85,	3.3	36
14	Designs and experiments on infrared two-dimensional silicon photonic crystal slab devices. <i>Frontiers of Optoelectronics</i> , 2012 , 5, 21-40	2.8	4
13	Broadband large-angle self-collimation in two-dimensional silicon photonic crystal. <i>Optics Letters</i> , 2012 , 37, 2412-4	3	16
12	Wavefront shaping of infrared light through a subwavelength hole. <i>Light: Science and Applications</i> , 2012 , 1, e26-e26	16.7	50

11	Optical properties of the two-port resonant tunneling filters in two-dimensional photonic crystal slabs. <i>Chinese Physics B</i> , 2012 , 21, 104210	1.2	4
10	Experimental Realization of a Magnetically Tunable Cavity in a Gyromagnetic Photonic Crystal. <i>Chinese Physics Letters</i> , 2012 , 29, 074208	1.8	2
9	Efficient surface plasmon amplification from gain-assisted gold nanorods. <i>Optics Letters</i> , 2011 , 36, 1296-8	3	74
8	Control and blockage of edge modes in magneto-optical photonic crystals. <i>Europhysics Letters</i> , 2011 , 93, 24001	1.6	9
7	Unidirectional channel-drop filter by one-way gyromagnetic photonic crystal waveguides. <i>Applied Physics Letters</i> , 2011 , 98, 211104	3.4	52
6	Two-Dimensional Silicon Photonic Crystal Slab Devices. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2011 , 31, 0900119	0.8	2
5	Degradation of cloaking by two closely neighboring cloaks. <i>Optics Express</i> , 2010 , 18, 12262-8	3.3	
4	Two-dimensional air-bridged silicon photonic crystal slab devices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 2715-2725	1.6	8
3	Ray trace visualization of negative refraction of light in two-dimensional air-bridged silicon photonic crystal slabs at 1.55 microm. <i>Optics Express</i> , 2009 , 17, 9962-70	3.3	15
2	Vapor-Liquid-Solid growth of highly stoichiometric gallium phosphide nanowires on silicon: restoration of chemical balance, congruent sublimation and maximization of band-edge emission. <i>European Physical Journal: Special Topics</i> , 1	2.3	0
1	Experimental realization of Bloch oscillations in a parity-time synthetic silicon photonic lattice		1