Danfeng Zhu

List of Publications by Year
in descending order

51	1,336	623188	344852
papers	citations	14 h-index	36 g-index

52	52	52	2059
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Infrared Plasmonic Refractive Index Sensor with Ultra-High Figure of Merit Based on the Optimized All-Metal Grating. Nanoscale Research Letters, 2017, 12, 1.	3.1	626
2	Design of a Tunable Ultra-Broadband Terahertz Absorber Based on Multiple Layers of Graphene Ribbons. Nanoscale Research Letters, 2018, 13, 143.	3.1	98
3	Toward a Mechanistic Understanding of Vertical Growth of van der Waals Stacked 2D Materials: A Multiscale Model and Experiments. ACS Nano, 2017, 11, 12780-12788.	7.3	89
4	Ultra-narrow Band Perfect Absorber and Its Application as Plasmonic Sensor in the Visible Region. Nanoscale Research Letters, 2017, 12, 427.	3.1	84
5	Plasmonic metamaterial for electromagnetically induced transparency analogue and ultra-high figure of merit sensor. Scientific Reports, 2017, 7, 45210.	1.6	53
6	Efficient Polarization Beam Splitter Based on All-Dielectric Metasurface in Visible Region. Nanoscale Research Letters, 2019, 14, 34.	3.1	38
7	Numerical study of a wide-angle polarization-independent ultra-broadband efficient selective metamaterial absorber for near-ideal solar thermal energy conversion. RSC Advances, 2018, 8, 21054-21064.	1.7	35
8	Numerical Study of the Wideâ€angle Polarizationâ€Independent Ultraâ€Broadband Efficient Selective Solar Absorber in the Entire Solar Spectrum. Solar Rrl, 2017, 1, 1700049.	3.1	32
9	Ultra-compact broadband mode converter and optical diode based on linear rod-type photonic crystal waveguide. Optics Express, 2015, 23, 9673.	1.7	30
10	Realization of compact broadband optical diode in linear air-hole photonic crystal waveguide. Optics Express, 2016, 24, 24592.	1.7	25
11	Design of a broadband reciprocal optical diode in a silicon waveguide assisted by silver surface plasmonic splitter. Optics Express, 2017, 25, 19129.	1.7	24
12	Underdetermined Wideband DOA Estimation for Off-Grid Sources with Coprime Array Using Sparse Bayesian Learning. Sensors, 2018, 18, 253.	2.1	23
13	Fully converged plane-wave-based self-consistent<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>G</mml:mi><mml:mi>W</mml:mi></mml:mrow></mml:math> of periodic solids. Physical Review B, 2017, 95, .	1.1	17
14	The optimal structure of two dimensional photonic crystals with the large absolute band gap. Optics Express, 2011, 19, 19346.	1.7	16
15	Investigation on structural, electronic, and magnetic properties of Mn-doped Ga12N12 clusters. Journal of Materials Science, 2013, 48, 8552-8558.	1.7	15
16	Vanadium doping on magnetic properties of H-passivated ZnO nanowires. Journal of Materials Science, 2014, 49, 3177-3182.	1.7	14
17	Numerical Study of an Efficient Solar Absorber Consisting of Metal Nanoparticles. Nanoscale Research Letters, 2017, 12, 601.	3.1	12
18	Design of Compact TE-Polarized Mode-Order Converter in Silicon Waveguide With High Refractive Index Material. IEEE Photonics Journal, 2018, 10, 1-7.	1.0	12

#	Article	IF	Citations
19	Design of plasmonic solar cells combining dual interface nanostructure for broadband absorption enhancement. Optics Communications, 2014, 333, 213-218.	1.0	10
20	Structural and electronic properties of hydrogenated GaBi and InBi honeycomb monolayers with point defects. RSC Advances, 2018, 8, 7022-7028.	1.7	9
21	Broadband Ultrathin Transmission Quarter Waveplate with Rectangular Hole Array Based on Plasmonic Resonances. Nanoscale Research Letters, 2019, 14, 384.	3.1	9
22	Tuning the Fano resonances in a single defect nanocavity coupled with a plasmonic waveguide for sensing applications. Modern Physics Letters B, 2015, 29, 1550218.	1.0	8
23	Plastic relaxation of mixed dislocation in axial nanowire heterostructures using Peachâ€“Koehler approach. Physica Status Solidi - Rapid Research Letters, 2014, 8, 445-448.	1.2	7
24	Structural and electronic properties of InPBi alloys. Modern Physics Letters B, 2014, 28, 1450140.	1.0	5
25	Dual interface gratings design for absorption enhancement in thin crystalline silicon solar cells. Optics Communications, 2017, 399, 62-67.	1.0	5
26	Near infrared nonlinearity in silver telluride-core/carbon-sheath and tellurium-core/carbon-sheath nanostructures synthesized by reduction carbonization approach. Journal of Materials Science, 2014, 49, 6892-6899.	1.7	4
27	Ultra-Compact Waveguide-Integrated TE-Mode Converters With High Mode Purity by Designing Ge/Si Patterns. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	4
28	Underdetermined DOA estimation using coprime array via multiple measurement sparse Bayesian learning. Signal, Image and Video Processing, 2019, 13, 1311-1318.	1.7	4
29	A theoretical investigation on thermoelectric performance of ternary (Bi1â^'x Sb x)2Te3 compound. Journal of Materials Science, 2013, 48, 4999-5004.	1.7	3
30	Electronic structures of GeSi nanoislands grown on pit-patterned Si(001) substrate. AIP Advances, 2014, 4, .	0.6	3
31	Sub-Poissonian photon statistics in quantum dot-metal nanoparticles hybrid system with gain media. Scientific Reports, 2019, 9, 10088.	1.6	3
32	A Utility-Based Adaptive Resource Scheduling Scheme for Multiple Services in Downlink Multiuser MIMO-OFDMA Systems. , 2013, , .		2
33	Focal Shift of Nano-Optical Lens Affected by Periodic Resonance With Substrate. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	2
34	Simultaneous All-Optical or and xor Logic Gates Based on the Bimodal Photonic Cavity Containing a Quantum Dot. IEEE Photonics Journal, 2016, 8, 1-10.	1.0	2
35	Optically Active Plasmonic Metasurfaces based on the Hybridization of In-Plane Coupling and Out-of-Plane Coupling. Nanoscale Research Letters, 2018, 13, 144.	3.1	2
36	STRAIN DISTRIBUTION AND ELECTRONIC STRUCTURE OF SELF-ORGANIZED InAs/GaAs QUANTUM DOTS. Journal of Nonlinear Optical Physics and Materials, 2009, 18, 553-560.	1.1	1

#	Article	IF	Citations
37	Utility-Based Scheduling Algorithm for Multiple Services in OFDM Cognitive Radio Networks. , 2012, , .		1
38	A new recognition algorithm with high result reliability. , 2012, , .		1
39	The Formation Site of Noninterfacial Misfit Dislocations in InAs/GaAs Quantum Dots. Journal of Nanomaterials, 2014, 2014, 1-5.	1.5	1
40	Asymmetric light transmission based on coupling between photonic crystal waveguides and L1/L3 cavity. Journal of Modern Optics, 2017, 64, 1626-1631.	0.6	1
41	Numerical Investigations of a Silicon Photonic TE-Pass Polarizer Consisting of Alternating Copper/Silicon Nitride Layers. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	1
42	High-Contrast and Compact Integrated Wavelength Diplexer Based on Subwavelength Grating Anisotropic Metamaterial for 1550/2000Ânm. IEEE Photonics Journal, 2021, 13, 1-10.	1.0	1
43	49.4: Long Viewing Distance and Large Depth of Field Augmented Reality (AR) 3D Display Based on MEMS Laser Projection Array. Digest of Technical Papers SID International Symposium, 2021, 52, 597-599.	0.1	1
44	Close-form solutions for the gain and refractive index of multiple-state quantum-dot semiconductor optical amplifiers. , 2010, , .		0
45	High temperature ferromagnetism in (Mn, Li)-codoped ZnO: First-principles study. , 2011, , .		0
46	Study of trench-assisted single mode optical fiber. , 2013, , .		0
47	Electronic and optical properties of InGaAs/GaAs quantum dots with tunable aspect-ratio. Modern Physics Letters B, 2014, 28, 1450072.	1.0	0
48	Hydrothermal Synthesis and Mechanism of Unusual Zigzag Ag₂Te and Ag₂Te/C Core-Shell Nanostructures. Journal of Nanomaterials, 2014, 2014, 1-5.	1.5	0
49	Bi-Directional Faraday Rotation Selective Enhancement on Embedded Nano-Gratings. IEEE Photonics Technology Letters, 2017, 29, 1615-1618.	1.3	0
50	Regulable photon bunching and anti-bunching in quantum dot-bimodal cavity coupling system. , 2017, , .		0
51	19.2: Mathematical Model for Multiview Resolutionâ€Lossless 3D Display Using LCD Shutter Parallax Screen. Digest of Technical Papers SID International Symposium, 2021, 52, 127-128.	0.1	0