

Song Sun

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.

37
papers

637
citations

13
h-index

24
g-index

50
ext. papers

876
ext. citations

4.9
avg, IF

4.31
L-index

#	Paper	IF	Citations
37	Authentication of Optical Physical Unclonable Functions Based on Single-Pixel Detection. <i>Physical Review Applied</i> , 2021 , 16,	4.3	4
36	Complete Terahertz Polarization Control with Broadened Bandwidth via Dielectric Metasurfaces. <i>Nanoscale Research Letters</i> , 2021 , 16, 157	5	1
35	Nanoantenna-Enhanced Light-Emitting Diodes: Fundamental and Recent Progress. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000367	8.3	4
34	Random Nanofracture-Enabled Physical Unclonable Function. <i>Advanced Materials Technologies</i> , 2021 , 6, 2001073	6.8	4
33	Enhancing magnetic dipole emission in Eu-doped SrMO ₃ (M=Ti,Zr,Hf): First-principles calculations. <i>Physical Review B</i> , 2021 , 103,	3.3	1
32	Symmetry-Assisted Spectral Line Shapes Manipulation in Dielectric Double-Fano Metasurfaces. <i>Advanced Optical Materials</i> , 2021 , 9, 2001874	8.1	4
31	Broadband thin-film and metamaterial absorbers using refractory vanadium nitride and their thermal stability. <i>Optics Express</i> , 2021 , 29, 33456-33466	3.3	3
30	Spintronic terahertz emitter. <i>Journal of Applied Physics</i> , 2021 , 129, 010901	2.5	11
29	Highly efficient unidirectional forward scattering induced by resonant interference in a metal-dielectric heterodimer. <i>Nanoscale</i> , 2020 , 12, 22289-22297	7.7	7
28	Critical Role of Shell in Enhanced Fluorescence of Metal-Dielectric Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13365-13373	3.8	26
27	Enabling switchable and multifunctional terahertz metasurfaces with phase-change material. <i>Optical Materials Express</i> , 2020 , 10, 2054	2.6	8
26	Spintronic terahertz emitter: Performance, manipulation, and applications. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 208705	0.6	1
25	Enhanced Directional Fluorescence Emission of Randomly Oriented Emitters via a Metal-Dielectric Hybrid Nanoantenna. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21150-21160	3.8	14
24	Giant plasmonically induced circular conversion dichroism in an anisotropic golden slit grating filled by a chiral medium. <i>Physical Review B</i> , 2019 , 100,	3.3	4
23	Performance Improvement of GaN Based Laser Diode Using Pd/Ni/Au Metallization Ohmic Contact. <i>Coatings</i> , 2019 , 9, 291	2.9	6
22	High-sensitivity nanostructured aluminium ultrathin film sensors with spectral response from ultraviolet to near-infrared. <i>Physica Scripta</i> , 2019 , 94, 055504	2.6	6
21	Narrow Linewidth Distributed Bragg Reflectors Based on InGaN/GaN Laser. <i>Micromachines</i> , 2019 , 10,	3.3	5

20	Hybrid Mushroom Nanoantenna for Fluorescence Enhancement by Matching the Stokes Shift of the Emitter. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14771-14780	3.8	9
19	Highly-symmetrical plasmonic nanoantenna for fluorescence enhancement and polarization preservation of arbitrarily oriented fluorophore. <i>Optical Materials Express</i> , 2018 , 8, 3770	2.6	3
18	Multipolar-interference-assisted terahertz waveplates via all-dielectric metamaterials. <i>Applied Physics Letters</i> , 2018 , 113, 201103	3.4	17
17	Metal-Dielectric Hybrid Dimer Nanoantenna: Coupling between Surface Plasmons and Dielectric Resonances for Fluorescence Enhancement. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 12871-12884	3.8	29
16	Spacer-controlled emission of randomly oriented fluorophores enhanced with surface plasmon-polaritons. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8706-8714	3.6	10
15	Kretschmann-Raether configuration: Revision of the theory of resonant interaction. <i>Physical Review B</i> , 2017 , 96,	3.3	15
14	Interference induced periodic oscillation of convolutional-surface-plasmon resonance for a metal nanoparticle encapsulated by a dielectric microsphere. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 075010	1.7	1
13	On-chip molecular electronic plasmon sources based on self-assembled monolayer tunnel junctions. <i>Nature Photonics</i> , 2016 , 10, 274-280	33.9	85
12	Nanoparticle loading effects on the broadband absorption for plasmonic-metal@semiconductor-microsphere photocatalyst. <i>Catalysis Today</i> , 2016 , 278, 312-318	5.3	2
11	Fluorescence enhancement in visible light: dielectric or noble metal?. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19324-35	3.6	30
10	State-of-the-art photodetectors for optoelectronic integration at telecommunication wavelength. <i>Nanophotonics</i> , 2015 , 4, 277-302	6.3	56
9	Optical Near-Field Enhancement with Graphene Bowtie Antennas. <i>Plasmonics</i> , 2014 , 9, 845-850	2.4	5
8	Interference-Induced Broadband Absorption Enhancement for Microsphere as Visible Light Photocatalyst. <i>ACS Catalysis</i> , 2014 , 4, 4269-4276	13.1	24
7	Over-barrier side-band electron emission from graphene with a time-oscillating potential. <i>Carbon</i> , 2013 , 61, 294-298	10.4	42
6	Analysis of nonuniform field emission from a sharp tip emitter of Lorentzian or hyperboloid shape. <i>Journal of Applied Physics</i> , 2013 , 113, 144902	2.5	13
5	Onset of space charge limited current for field emission from a single sharp tip. <i>Physics of Plasmas</i> , 2012 , 19, 033107	2.1	21
4	Klein tunnelling model of low energy electron field emission from single-layer graphene sheet. <i>Applied Physics Letters</i> , 2011 , 99, 013112	3.4	29
3	Multisection vialess microstrip-line balun with backside aperture and floating patches. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 253-254	1.2	2

2	Capacitive-Ended Interdigital Coupled Lines for UWB Bandpass Filters With Improved Out-of-Band Performances. <i>IEEE Microwave and Wireless Components Letters</i> , 2006 , 16, 440-442	2.6	126
1	Bionic optical physical unclonable functions for authentication and encryption. <i>Journal of Materials Chemistry C</i> ,	7.1	2