

# Song Sun

## List of Publications by Citations

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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	Capacitive-Ended Interdigital Coupled Lines for UWB Bandpass Filters With Improved Out-of-Band Performances. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2006</b> , 16, 440-442	2.6	126
36	On-chip molecular electronic plasmon sources based on self-assembled monolayer tunnel junctions. <i>Nature Photonics</i> , <b>2016</b> , 10, 274-280	33.9	85
35	State-of-the-art photodetectors for optoelectronic integration at telecommunication wavelength. <i>Nanophotonics</i> , <b>2015</b> , 4, 277-302	6.3	56
34	Over-barrier side-band electron emission from graphene with a time-oscillating potential. <i>Carbon</i> , <b>2013</b> , 61, 294-298	10.4	42
33	Fluorescence enhancement in visible light: dielectric or noble metal?. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 19324-35	3.6	30
32	Metal-Dielectric Hybrid Dimer Nanoantenna: Coupling between Surface Plasmons and Dielectric Resonances for Fluorescence Enhancement. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 12871-12884	3.8	29
31	Klein tunnelling model of low energy electron field emission from single-layer graphene sheet. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 013112	3.4	29
30	Critical Role of Shell in Enhanced Fluorescence of Metal-Dielectric Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 13365-13373	3.8	26
29	Interference-Induced Broadband Absorption Enhancement for [email-protected] Microsphere as Visible Light Photocatalyst. <i>ACS Catalysis</i> , <b>2014</b> , 4, 4269-4276	13.1	24
28	Onset of space charge limited current for field emission from a single sharp tip. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 033107	2.1	21
27	Multipolar-interference-assisted terahertz waveplates via all-dielectric metamaterials. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 201103	3.4	17
26	Kretschmann-Raether configuration: Revision of the theory of resonant interaction. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	15
25	Enhanced Directional Fluorescence Emission of Randomly Oriented Emitters via a Metal-Dielectric Hybrid Nanoantenna. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 21150-21160	3.8	14
24	Analysis of nonuniform field emission from a sharp tip emitter of Lorentzian or hyperboloid shape. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 144902	2.5	13
23	Spintronic terahertz emitter. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 010901	2.5	11
22	Spacer-controlled emission of randomly oriented fluorophores enhanced with surface plasmon-polaritons. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 8706-8714	3.6	10
21	Hybrid Mushroom Nanoantenna for Fluorescence Enhancement by Matching the Stokes Shift of the Emitter. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14771-14780	3.8	9

20	Enabling switchable and multifunctional terahertz metasurfaces with phase-change material. <i>Optical Materials Express</i> , <b>2020</b> , 10, 2054	2.6	8
19	Highly efficient unidirectional forward scattering induced by resonant interference in a metal-dielectric heterodimer. <i>Nanoscale</i> , <b>2020</b> , 12, 22289-22297	7.7	7
18	Performance Improvement of GaN Based Laser Diode Using Pd/Ni/Au Metallization Ohmic Contact. <i>Coatings</i> , <b>2019</b> , 9, 291	2.9	6
17	High-sensitivity nanostructured aluminium ultrathin film sensors with spectral response from ultraviolet to near-infrared. <i>Physica Scripta</i> , <b>2019</b> , 94, 055504	2.6	6
16	Narrow Linewidth Distributed Bragg Reflectors Based on InGaN/GaN Laser. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	5
15	Optical Near-Field Enhancement with Graphene Bowtie Antennas. <i>Plasmonics</i> , <b>2014</b> , 9, 845-850	2.4	5
14	Giant plasmonically induced circular conversion dichroism in an anisotropic golden slit grating filled by a chiral medium. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	4
13	Authentication of Optical Physical Unclonable Functions Based on Single-Pixel Detection. <i>Physical Review Applied</i> , <b>2021</b> , 16,	4.3	4
12	Nanoantenna-Enhanced Light-Emitting Diodes: Fundamental and Recent Progress. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2000367	8.3	4
11	Random Nanofracture-Enabled Physical Unclonable Function. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2001073	6.8	4
10	Symmetry-Assisted Spectral Line Shapes Manipulation in Dielectric Double-Fano Metasurfaces. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001874	8.1	4
9	Highly-symmetrical plasmonic nanoantenna for fluorescence enhancement and polarization preservation of arbitrarily oriented fluorophore. <i>Optical Materials Express</i> , <b>2018</b> , 8, 3770	2.6	3
8	Broadband thin-film and metamaterial absorbers using refractory vanadium nitride and their thermal stability. <i>Optics Express</i> , <b>2021</b> , 29, 33456-33466	3.3	3
7	Nanoparticle loading effects on the broadband absorption for plasmonic-metal@semiconductor-microsphere photocatalyst. <i>Catalysis Today</i> , <b>2016</b> , 278, 312-318	5.3	2
6	Multisection vialess microstrip-line balun with backside aperture and floating patches. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 253-254	1.2	2
5	Bionic optical physical unclonable functions for authentication and encryption. <i>Journal of Materials Chemistry C</i> ,	7.1	2
4	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> , <b>2016</b> , 18, 075010	1.7	1
3	Spintronic terahertz emitter: Performance, manipulation, and applications. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2020</b> , 69, 208705	0.6	1

- 2 Complete Terahertz Polarization Control with Broadened Bandwidth via Dielectric Metasurfaces.  
*Nanoscale Research Letters*, **2021**, 16, 157 5 1
- 1 Enhancing magnetic dipole emission in Eu-doped SrMO<sub>3</sub> (M=Ti,Zr,Hf): First-principles calculations.  
*Physical Review B*, **2021**, 103, 33 1