

# Fanxin Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

790  
citations

623734

14  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of in-plane excitonâ€“polaritons in monolayer WSe <sub>2</sub> driven by plasmonic nanofingers. <i>Nanophotonics</i> , 2022, 11, 3149-3157.	6.0	4
2	Improving Aluminum Ultraviolet Plasmonic Activity through a 1 nm ta-C Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 7672-7679.	8.0	5
3	A Tantalum Disulfide Charge-Density-Wave Stochastic Artificial Neuron for Emulating Neural Statistical Properties. <i>Nano Letters</i> , 2021, 21, 3465-3472.	9.1	15
4	Demonstration of microwave plasmonic-like vortices with tunable topological charges by a single metaparticle. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	9
5	Plasmonic dye-sensitized solar cells through collapsible gold nanofingers. <i>Nanotechnology</i> , 2021, 32, 355301.	2.6	3
6	Dualâ€“Electromagnetic Field Enhancements through Suspended Metal/Dielectric/Metal Nanostructures and Plastic Phthalates Detection in Child Urine. <i>Advanced Optical Materials</i> , 2020, 8, 1901305.	7.3	14
7	Probing the Mechanisms of Strong Fluorescence Enhancement in Plasmonic Nanogaps with Sub-nanometer Precision. <i>ACS Nano</i> , 2020, 14, 14769-14778.	14.6	33
8	Memristive Device Characteristics Engineering by Controlling the Crystallinity of Switching Layer Materials. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1529-1537.	4.3	7
9	High tunnelling electroresistance in a ferroelectric van der Waals heterojunction via giant barrier height modulation. <i>Nature Electronics</i> , 2020, 3, 466-472.	26.0	150
10	Fluidic Flow Assisted Deterministic Folding of Van der Waals Materials. <i>Advanced Functional Materials</i> , 2020, 30, 1908691.	14.9	5
11	Linear Dichroism Conversion in Quasiâ€“1D Perovskite Chalcogenide. <i>Advanced Materials</i> , 2019, 31, e1902118.	21.0	41
12	Thermal stability of ultrathin and high dielectric taâ€“C films coated with Ag nanostructures for SERS. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 431-437.	2.5	3
13	Dynamically Tunable Electromagnetically Induced Transparency in Graphene and Split-Ring Hybrid Metamaterial. <i>Plasmonics</i> , 2018, 13, 451-457.	3.4	18
14	Molecule Sensing: Sculpting Extreme Electromagnetic Field Enhancement in Free Space for Molecule Sensing (Small 33/2018). <i>Small</i> , 2018, 14, 1870152.	10.0	2
15	Sculpting Extreme Electromagnetic Field Enhancement in Free Space for Molecule Sensing. <i>Small</i> , 2018, 14, e1801146.	10.0	36
16	Efficient Generation of Microwave Plasmonic Vortices via a Single Deepâ€“Subwavelength Metaâ€“Particle. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800010.	8.7	32
17	Engineering the Complex-Valued Constitutive Parameters of Metamaterials for Perfect Absorption. <i>Nanoscale Research Letters</i> , 2017, 12, 276.	5.7	7
18	Toroidal Dipolar Excitation in Metamaterials Consisting of Metal nanodisks and a Dielectric Spacer on Metal Substrate. <i>Scientific Reports</i> , 2017, 7, 582.	3.3	18

#	ARTICLE	IF	CITATIONS
19	Probing Gap Plasmons Down to Subnanometer Scales Using Collapsible Nanofingers. ACS Nano, 2017, 11, 5836-5843.	14.6	35
20	Atomically Thin Femtojoule Memristive Device. Advanced Materials, 2017, 29, 1703232.	21.0	147
21	Toroidal Dipolar Response in Metamaterials Composed of Metal-Dielectric-Metal Sandwich Magnetic Resonators. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	10
22	Graphene-based Superlens for Subwavelength Optical Imaging by Graphene Plasmon Resonances. Plasmonics, 2016, 11, 515-522.	3.4	6
23	A facile high-performance SERS substrate based on broadband near-perfect optical absorption. Journal of Raman Spectroscopy, 2015, 46, 795-801.	2.5	19
24	Ultrathin amorphous silicon thin-film solar cells by magnetic plasmonic metamaterial absorbers. RSC Advances, 2015, 5, 81866-81874.	3.6	22
25	Released Plasmonic Electric Field of Ultrathin Tetrahedral-Amorphous-Carbon Films Coated Ag Nanoparticles for SERS. Scientific Reports, 2015, 4, 4494.	3.3	21
26	A new dielectric Ta-C film coating of Ag-nanoparticle hybrids to enhance TiO <sub>2</sub> photocatalysis. Nanotechnology, 2014, 25, 125703.	2.6	7
27	Si seed layer thickness effect on the structure of ultrathin tetrahedral amorphous carbon films. Surface and Coatings Technology, 2013, 235, 117-120.	4.8	5
28	Silver macrotexture substrates fabricated by plasma selective etching for surface-enhanced Raman scattering. Journal of Raman Spectroscopy, 2013, 44, 393-400.	2.5	5
29	A Strategy for the Maximum Fluorescence Enhancement Based on Tetrahedral Amorphous Carbon-Coated Metal Substrates. Journal of Physical Chemistry C, 2010, 114, 9871-9875.	3.1	15
30	Ultrathin Diamond-like Carbon Film Coated Silver Nanoparticles-Based Substrates for Surface-Enhanced Raman Spectroscopy. ACS Nano, 2010, 4, 2643-2648.	14.6	96