

Fanxin Liu

List of Publications by Year in descending order

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30
papers

790
citations

623734

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501196

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all docs

30
docs citations

30
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Atomically Thin Femtojoule Memristive Device. <i>Advanced Materials</i> , 2017, 29, 1703232.	21.0	147
3	Ultrathin Diamond-like Carbon Film Coated Silver Nanoparticles-Based Substrates for Surface-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , 2010, 4, 2643-2648.	14.6	96
4	Linear Dichroism Conversion in Quasi-1D Perovskite Chalcogenide. <i>Advanced Materials</i> , 2019, 31, e1902118.	21.0	41
5	Sculpting Extreme Electromagnetic Field Enhancement in Free Space for Molecule Sensing. <i>Small</i> , 2018, 14, e1801146.	10.0	36
6	Probing Gap Plasmons Down to Subnanometer Scales Using Collapsible Nanofingers. <i>ACS Nano</i> , 2017, 11, 5836-5843.	14.6	35
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	Efficient Generation of Microwave Plasmonic Vortices via a Single Deep-Subwavelength Meta-Particle. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800010.	8.7	32
9	Ultrathin amorphous silicon thin-film solar cells by magnetic plasmonic metamaterial absorbers. <i>RSC Advances</i> , 2015, 5, 81866-81874.	3.6	22
10	Released Plasmonic Electric Field of Ultrathin Tetrahedral-Amorphous-Carbon Films Coated Ag Nanoparticles for SERS. <i>Scientific Reports</i> , 2015, 4, 4494.	3.3	21
11	A facile high-performance SERS substrate based on broadband near-perfect optical absorption. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 795-801.	2.5	19
12	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
13	Dynamically Tunable Electromagnetically Induced Transparency in Graphene and Split-Ring Hybrid Metamaterial. <i>Plasmonics</i> , 2018, 13, 451-457.	3.4	18
14	A Strategy for the Maximum Fluorescence Enhancement Based on Tetrahedral Amorphous Carbon-Coated Metal Substrates. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9871-9875.	3.1	15
15	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
16	Dual-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
17	Toroidal Dipolar Response in Metamaterials Composed of Metal-Dielectric-Metal Sandwich Magnetic Resonators. <i>IEEE Photonics Journal</i> , 2016, 8, 1-9.	2.0	10
18	Demonstration of microwave plasmonic-like vortices with tunable topological charges by a single metaparticle. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	9

#	ARTICLE	IF	CITATIONS
19	A new dielectric ta-C film coating of Ag-nanoparticle hybrids to enhance TiO ₂ photocatalysis. <i>Nanotechnology</i> , 2014, 25, 125703.	2.6	7
20	Engineering the Complex-Valued Constitutive Parameters of Metamaterials for Perfect Absorption. <i>Nanoscale Research Letters</i> , 2017, 12, 276.	5.7	7
21	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
22	Graphene-based Superlens for Subwavelength Optical Imaging by Graphene Plasmon Resonances. <i>Plasmonics</i> , 2016, 11, 515-522.	3.4	6
23	Si seed layer thickness effect on the structure of ultrathin tetrahedral amorphous carbon films. <i>Surface and Coatings Technology</i> , 2013, 235, 117-120.	4.8	5
24	Silver macrotexture substrates fabricated by plasma selective etching for surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 393-400.	2.5	5
25	Fluidic Flow Assisted Deterministic Folding of Van der Waals Materials. <i>Advanced Functional Materials</i> , 2020, 30, 1908691.	14.9	5
26	Improving Aluminum Ultraviolet Plasmonic Activity through a 1 nm ta-C Film. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7672-7679.	8.0	5
27	Observation of in-plane exciton-polaritons in monolayer WSe ₂ driven by plasmonic nanofingers. <i>Nanophotonics</i> , 2022, 11, 3149-3157.	6.0	4
28	Thermal stability of ultrathin and high dielectric ta-C films coated with Ag nanostructures for SERS. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 431-437.	2.5	3
29	Plasmonic dye-sensitized solar cells through collapsible gold nanofingers. <i>Nanotechnology</i> , 2021, 32, 355301.	2.6	3
30	Molecule Sensing: Sculpting Extreme Electromagnetic Field Enhancement in Free Space for Molecule Sensing (<i>Small</i> 33/2018). <i>Small</i> , 2018, 14, 1870152.	10.0	2