

# Fanfan Lu

## List of Publications by Year in descending order

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16  
papers

143  
citations

1307594

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1281871

11  
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16  
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docs citations

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times ranked

156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient plasmonic nanofocusing on a metallized fiber tip with internal illumination of the radial vector mode using an acousto-optic coupling approach. <i>Nanophotonics</i> , 2019, 8, 921-929.	6.0	27
2	Tip-Enhanced Raman Spectroscopy with High-Order Fiber Vector Beam Excitation. <i>Sensors</i> , 2018, 18, 3841.	3.8	21
3	Surface-Enhanced Raman Spectroscopy Based on a Silver-Film Semi-Coated Nanosphere Array. <i>Sensors</i> , 2019, 19, 3966.	3.8	15
4	Grating-assisted coupling enhancing plasmonic tip nanofocusing illuminated via radial vector beam. <i>Nanophotonics</i> , 2019, 8, 2303-2311.	6.0	12
5	Nanofocusing of Surface Plasmon Polaritons on Metal-Coated Fiber Tip Under Internal Excitation of Radial Vector Beam. <i>Plasmonics</i> , 2019, 14, 1593-1599.	3.4	10
6	Excellent Anapole by Decoupling Electric Multipoles of Ag/Si Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19252-19258.	3.1	9
7	Selective Remote-Excitation of Gap Mode in Metallic Nanowire-Nanoparticle System Using Chiral Surface Plasmon Polaritons. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-6.	1.9	9
8	Optical Chirality Enhancement in Hollow Silicon Disk by Dipolar Interference. <i>Advanced Optical Materials</i> , 2021, 9, 2001771.	7.3	9
9	Optical trapping of single nano-size particles using a plasmonic nanocavity. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 475301.	1.8	8
10	Low-cost and highly accessible technology based on radially polarized beam-excited plasmonic microfiber for label-free Raman detection. <i>APL Photonics</i> , 2019, 4, 116101.	5.7	6
11	Tip-Based Plasmonic Nanofocusing: Vector Field Engineering and Background Elimination. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-12.	2.9	5
12	Generation of Cylindrical Vector Beams and Optical Vortex in a Solid-Core Ring Fiber Based on an Acoustically Induced Fiber Grating. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-5.	2.9	4
13	Plasmon-enhanced nonlinear nanofocusing of gold nanoprisms driven via an ultrafast azimuthal vector beam. <i>Nanoscale</i> , 2020, 12, 7045-7050.	5.6	4
14	Circular nanocavity substrate-assisted plasmonic tip for its enhancement in nanofocusing and optical trapping. <i>Optics Express</i> , 2021, 29, 37515.	3.4	2
15	Enhancing electromagnetic field gradient in tip-enhanced Raman spectroscopy with a perfect radially polarized beam. <i>Optics Express</i> , 2022, 30, 21377.	3.4	2
16	Nanofocusing of Plasmonic Tip Based on External and Internal Excitation. , 2019, , .		0