

# Luping Du

## List of Publications by Year in descending order

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44  
papers

1,536  
citations

361045

20  
h-index

301761

39  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Focused plasmonic trapping of metallic particles. Nature Communications, 2013, 4, 2891.	5.8	319
2	Deep-subwavelength features of photonic skyrmions in a confined electromagnetic field with orbital angular momentum. Nature Physics, 2019, 15, 650-654.	6.5	176
3	Perfect optical vortex enhanced surface plasmon excitation for plasmonic structured illumination microscopy imaging. Applied Physics Letters, 2016, 108, .	1.5	81
4	Plasmonic nano-slits assisted polarization selective detour phase meta-hologram. Laser and Photonics Reviews, 2016, 10, 978-985.	4.4	60
5	On-chip photonic Fourier transform with surface plasmon polaritons. Light: Science and Applications, 2016, 5, e16034-e16034.	7.7	58
6	Structured spin angular momentum in highly focused cylindrical vector vortex beams for optical manipulation. Optics Express, 2018, 26, 23449.	1.7	53
7	Diffraction-Free Bloch Surface Waves. ACS Nano, 2017, 11, 5383-5390.	7.3	52
8	Transverse spin dynamics in structured electromagnetic guided waves. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	51
9	Photonic Spin Lattices: Symmetry Constraints for Skyrmion and Meron Topologies. Physical Review Letters, 2021, 127, 237403.	2.9	49
10	Mapping plasmonic near-field profiles and interferences by surface-enhanced Raman scattering. Scientific Reports, 2013, 3, 3064.	1.6	47
11	On-Chip Photonic Spin Hall Lens. ACS Photonics, 2019, 6, 1840-1847.	3.2	39
12	Broadband chirality-coded meta-aperture for photon-spin resolving. Nature Communications, 2015, 6, 10051.	5.8	38
13	Accurate Feeding of Nanoantenna by Singular Optics for Nanoscale Translational and Rotational Displacement Sensing. Physical Review Letters, 2016, 117, 113903.	2.9	38
14	Spin photonics: from transverse spin to photonic skyrmions. Nanophotonics, 2021, 10, 3927-3943.	2.9	34
15	Tightly Focused Radially Polarized Beam for Propagating Surface Plasmon-Assisted Gap-Mode Raman Spectroscopy. Plasmonics, 2011, 6, 651-657.	1.8	32
16	Mapping the near-field spin angular momenta in the structured surface plasmon polariton field. Nanoscale, 2020, 12, 13674-13679.	2.8	28
17	Bloch-type photonic skyrmions in optical chiral multilayers. Physical Review Research, 2021, 3, .	1.3	28
18	Dynamic plasmonic tweezers enabled single-particle-film-system gap-mode Surface-enhanced Raman scattering. Applied Physics Letters, 2013, 103, .	1.5	27

#	ARTICLE	IF	CITATIONS
19	Broadband graphene-based photoacoustic microscopy with high sensitivity. <i>Nanoscale</i> , 2018, 10, 8606-8614.	2.8	24
20	Optical transverse spin coupling through a plasmonic nanoparticle for particle-identification and field-mapping. <i>Nanoscale</i> , 2018, 10, 9286-9291.	2.8	24
21	Manipulating orbital angular momentum of light with tailored in-plane polarization states. <i>Scientific Reports</i> , 2017, 7, 41001.	1.6	20
22	Optical spin-orbit coupling in the presence of magnetization: photonic skyrmion interaction with magnetic domains. <i>Nanophotonics</i> , 2021, 10, 3667-3675.	2.9	20
23	Toward broadband, dynamic structuring of a complex plasmonic field. <i>Science Advances</i> , 2018, 4, eaao0533.	4.7	19
24	Strong spin-orbit interaction of photonic skyrmions at the general optical interface. <i>Nanophotonics</i> , 2020, 9, 4619-4628.	2.9	19
25	A Miniaturized Polymer Grating for Topological Order Detection of Cylindrical Vector Beams. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 2799-2802.	1.3	17
26	Mode-matching metasurfaces: coherent reconstruction and multiplexing of surface waves. <i>Scientific Reports</i> , 2015, 5, 10529.	1.6	16
27	Generating Arbitrary Order Cylindrical Vector Beams With Inherent Transform Mechanism. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	1.0	16
28	Spin-resolved near-field scanning optical microscopy for mapping of the spin angular momentum distribution of focused beams. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	15
29	Symmetry-Protected Photonic Chiral Spin Textures by Spin-Orbit Coupling. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000554.	4.4	14
30	Optical near-field measurement for spin-orbit interaction of light. <i>Progress in Quantum Electronics</i> , 2021, 78, 100341.	3.5	14
31	Detection of microscope-excited surface plasmon polaritons with Rayleigh scattering from metal nanoparticles. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	12
32	Metal-Dielectric Waveguides for High Efficiency Fluorescence Imaging. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24081-24085.	1.5	11
33	Photonic Spin Skyrmion with Dynamic Position Control. <i>ACS Photonics</i> , 2021, 8, 2567-2572.	3.2	11
34	Mapping the weak plasmonic transverse field by a dielectric-nanoparticle-on-film structure with ultra-high precision. <i>Optics Express</i> , 2019, 27, 18980.	1.7	11
35	Directional imbalance of Bloch surface waves for ultrasensitive displacement metrology. <i>Nanoscale</i> , 2021, 13, 11041-11050.	2.8	10
36	Intrinsic Spin-Momentum Dynamics of Surface Electromagnetic Waves in Dispersive Interfaces. <i>Physical Review Letters</i> , 2022, 128, .	2.9	10

#	ARTICLE	IF	CITATIONS
37	Focal and optical trapping behaviors of radially polarized vortex beam with broken axial symmetry. AIP Advances, 2017, 7, 065109.	0.6	9
38	Electronic Maxwell's equations. New Journal of Physics, 2020, 22, 113019.	1.2	8
39	Surface plasmon coupled nano-probe for near field scanning optical microscopy. Optics Express, 2020, 28, 14831.	1.7	7
40	Design of Optimal Illumination Patterns in Single-Pixel Imaging Using Image Dictionaries. IEEE Photonics Journal, 2020, 12, 1-9.	1.0	6
41	Mapping the near-field distribution of magnetic fields using a silicon nanoparticle at optical frequencies. Journal Physics D: Applied Physics, 2019, 52, 355002.	1.3	5
42	Optical manipulation with electric and magnetic transverse spin through multilayered focused configuration. Applied Physics Express, 2019, 12, 032001.	1.1	5
43	Selective magnetic responses of silicon nanoparticles modulated by waveguide structures. Optics Express, 2020, 28, 16333.	1.7	3
44	Reply to "Comment on "Electronic Maxwell's equations". New Journal of Physics, 2021, 23, 118002.	1.2	0