

# Liping Zou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1905358/publications.pdf>

Version: 2024-02-01

20  
papers

445  
citations

933447

10  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

316  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-ion collider in China. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	208
2	Relativistic Quantum Dynamics of Twisted Electron Beams in Arbitrary Electric and Magnetic Fields. <i>Physical Review Letters</i> , 2018, 121, 043202.	7.8	29
3	Position and spin in relativistic quantum mechanics. <i>Physical Review A</i> , 2020, 101, .	2.5	27
4	Manipulating Twisted Electron Beams. <i>Physical Review Letters</i> , 2017, 119, 243903.	7.8	26
5	Supersymmetry in the double-heavy hadronic spectrum. <i>Physical Review D</i> , 2018, 98, .	4.7	21
6	Relativistic quantum-mechanical description of twisted paraxial electron and photon beams. <i>Physical Review A</i> , 2019, 100, .	2.5	20
7	Electric Quadrupole Moment and the Tensor Magnetic Polarizability of Twisted Electrons and a Potential for their Measurements. <i>Physical Review Letters</i> , 2019, 122, 063201.	7.8	18
8	Silenko, Zhang, and Zou Reply:. <i>Physical Review Letters</i> , 2019, 122, 159302.	7.8	16
9	The role of electron orbital angular momentum in the Aharonov-Bohm effect revisited. <i>Annals of Physics</i> , 2018, 397, 259-277.	2.8	10
10	The physics of helical electron beam in a uniform magnetic field as a testing ground of gauge principle. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126415.	2.1	10
11	Separability and dynamical symmetry of Quantum Dots. <i>Annals of Physics</i> , 2014, 341, 94-116.	2.8	9
12	Exotic states in a holographic theory. <i>Nuclear and Particle Physics Proceedings</i> , 2021, 312-317, 135-139.	0.5	9
13	Paraxial wave function and Gouy phase for a relativistic electron in a uniform magnetic field. <i>Journal of Physics C: Nuclear and Particle Physics</i> , 2020, 47, 055003.	3.6	8
14	Regularization of electroweak monopole by charge screening and BPS energy bound. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	8
15	Isoscalar mesons and exotic states in light front holographic QCD. <i>Physical Review D</i> , 2019, 99, .	4.7	7
16	General quantum-mechanical solution for twisted electrons in a uniform magnetic field. <i>Physical Review A</i> , 2021, 103, .	2.5	7
17	Role of guiding center in Landau level system and mechanical and pseudo orbital angular momenta. <i>International Journal of Modern Physics A</i> , 2020, 35, 2050096.	1.5	6
18	Revisiting the compatibility problem between the gauge principle and the observability of the canonical orbital angular momentum in the Landau problem. <i>Annals of Physics</i> , 2021, 434, 168647.	2.8	5

#	ARTICLE	IF	CITATIONS
19	Fundamental operators in Dirac quantum mechanics. Journal of Physics: Conference Series, 2020, 1435, 012027.	0.4	1
20	Dynamics of an orbital polarization of twisted electron beams in electric and magnetic fields. EPJ Web of Conferences, 2019, 204, 10008.	0.3	0