

# Jiyong Fu

## List of Publications by Year in descending order

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19  
papers

347  
citations

840776

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794594

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19  
docs citations

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times ranked

373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stretchable Persistent Spin Helices in GaAs Quantum Wells. <i>Physical Review X</i> , 2017, 7, .	8.9	57
2	Spin-orbit interaction in GaAs wells: From one to two subbands. <i>Physical Review B</i> , 2015, 91, .	3.2	38
3	Persistent Skyrmion Lattice of Noninteracting Electrons with Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2016, 117, 226401.	7.8	37
4	Band structure of monolayer transition-metal dichalcogenides and topological properties of their nanoribbons: Next-nearest-neighbor hopping. <i>Physical Review B</i> , 2018, 98, .	3.2	36
5	Tunable spin and valley dependent magneto-optical absorption in molybdenum disulfide quantum dots. <i>Scientific Reports</i> , 2017, 7, 41044.	3.3	27
6	Robust effective Zeeman energy in monolayer MoS <sub>2</sub> quantum dots. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 375803.	1.8	22
7	Spin-orbit coupling in wurtzite heterostructures. <i>Physical Review B</i> , 2020, 101, .	3.2	22
8	Dark exciton brightening and its engaged valley dynamics in monolayer $WSe_2$ . <i>Physical Review B</i> , 2018, 98, .	3.2	22
9	Symmetry breaking of the persistent spin helix in quantum transport. <i>Physical Review B</i> , 2020, 101, .	3.2	18
10	Valley dynamics of intravalley and intervalley multiexcitonic states in monolayer $WS_2$ . <i>Physical Review B</i> , 2018, 97, .	3.2	16
11	Valley dynamics of different trion species in monolayer $WSe_2$ . <i>Applied Physics Letters</i> , 2019, 115, .	3.3	12
12	Anisotropy of the spin-polarized edge current in monolayer transition metal dichalcogenide zigzag nanoribbons. <i>Physical Review B</i> , 2020, 101, .	3.2	11
13	Optically dark excitonic states mediated exciton and biexciton valley dynamics in monolayer $WSe_2$ . <i>Journal of Physics Condensed Matter</i> , 2018, 30, 265502.	1.8	9
14	Selective asymmetric gate control of the Rashba spin-orbit coupling in $GaNAs/AlInAs$ stepped wells. <i>Physical Review B</i> , 2020, 101, .	3.2	7
15	Interface involved Dresselhaus spin-orbit coupling in $GaNAs/AlInAs$ heterostructures. <i>Physical Review B</i> , 2021, 104, .	3.2	5
16	Unusual spin-orbit control in $AlInAs/GaNAs$ triple wells triggered by band crossing and anticrossing. <i>Physical Review B</i> , 2021, 104, .	3.2	5
17	Magnetic brightening, large valley Zeeman splitting, and dynamics of long-lived A and B dark excitonic states in monolayer $WS_2$ . <i>Physical Review B</i> , 2019, 100, .	3.2	2
18	Distinct Three-Level Spin-Orbit Control Associated with Electrically Controlled Band Swapping*. <i>Chinese Physics Letters</i> , 2020, 37, 117101.	3.3	2

#	ARTICLE	IF	CITATIONS
19	Fine structure mediated magnetic response of trion valley polarization in monolayer WSe <sub>2</sub> . Physical Review B, 2021, 104, .	3.2	1