

Jiyong Fu

List of Publications by Year in descending order

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19
papers

347
citations

840776

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all docs

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docs citations

19
times ranked

373
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface involved Dresselhaus spin-orbit coupling in GaInAs/AlInAs heterostructures. Physical Review B, 2021, 104, .	3.2	5
2	Unusual spin-orbit control in AlInAs/GaInAs triple wells triggered by band crossing and anticrossing. Physical Review B, 2021, 104, .	3.2	5
3	Fine structure mediated magnetic response of trion valley polarization in monolayer WSe ₂ . Physical Review B, 2021, 104, .	3.2	1
4	Selective asymmetric gate control of the Rashba spin-orbit coupling in GaInAs/AlInAs stepped wells. Physical Review B, 2020, 101, .	3.2	7
5	Anisotropy of the spin-polarized edge current in monolayer transition metal dichalcogenide zigzag nanoribbons. Physical Review B, 2020, 101, .	3.2	11
6	Symmetry breaking of the persistent spin helix in quantum transport. Physical Review B, 2020, 101, .	3.2	18
7	Spin-orbit coupling in wurtzite heterostructures. Physical Review B, 2020, 101, .	3.2	22
8	Distinct Three-Level Spin-Orbit Control Associated with Electrically Controlled Band Swapping*. Chinese Physics Letters, 2020, 37, 117101.	3.3	2
9	Valley dynamics of different trion species in monolayer WSe ₂ . Applied Physics Letters, 2019, 115, .	3.3	12
10	Magnetic brightening, large valley Zeeman splitting, and dynamics of long-lived A and B dark excitonic states in monolayer WS ₂ . Physical Review B, 2019, 100, .	3.2	2
11	Valley dynamics of intravalley and intervalley multiexcitonic states in monolayer WS ₂ . Physical Review B, 2018, 97, .	3.2	16
12	Dark exciton brightening and its engaged valley dynamics in monolayer WSe ₂ . Physical Review B, 2018, 98, .	3.2	20
13	Optically dark excitonic states mediated exciton and biexciton valley dynamics in monolayer WSe ₂ . Journal of Physics Condensed Matter, 2018, 30, 265502.	1.8	9
14	Band structure of monolayer transition-metal dichalcogenides and topological properties of their nanoribbons: Next-nearest-neighbor hopping. Physical Review B, 2018, 98, .	3.2	36
15	Tunable spin and valley dependent magneto-optical absorption in molybdenum disulfide quantum dots. Scientific Reports, 2017, 7, 41044.	3.3	27
16	Stretchable Persistent Spin Helices in GaAs Quantum Wells. Physical Review X, 2017, 7, .	8.9	57
17	Robust effective Zeeman energy in monolayer MoS ₂ quantum dots. Journal of Physics Condensed Matter, 2016, 28, 375803.	1.8	22
18	Persistent Skyrmion Lattice of Noninteracting Electrons with Spin-Orbit Coupling. Physical Review Letters, 2016, 117, 226401.	7.8	37

#	ARTICLE	IF	CITATIONS
19	Spin-orbit interaction in GaAs wells: From one to two subbands. Physical Review B, 2015, 91, .	3.2	38