

RuiYang Yuan

List of Publications by Year in descending order

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1307594

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14
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citing authors

#	ARTICLE	IF	CITATIONS
1	All-Optically Controlled Topological Transistor Based on $X \times \text{enes}$. Physical Review Applied, 2020, 14, .	3.8	29
2	Multichannel Depletion-Type Field-Effect Transistor Based on Ferromagnetic Germanene. Physical Review Applied, 2021, 16, .	3.8	20
3	Valley filter and valley valve based on WSe_2 double-barrier junctions modulated by polarized light. Physical Review B, 2021, 103, .	3.2	17
4	Valley switch effect based on monolayer WSe_2 modulated by circularly polarized light and valley Zeeman field. Journal Physics D: Applied Physics, 2019, 52, 335301.	2.8	13
5	Switch effect for spin-valley electrons in monolayer WSe_2 structures subjected to optical field and Fermi velocity barrier. Journal of Applied Physics, 2020, 128, .	2.5	13
6	Coulomb interaction effects on the terahertz photon-assisted tunneling through an InAs quantum dot. Physical Review B, 2014, 89, .	3.2	12
7	Enhanced spin polarization and valley polarization in monolayer MoS_2 junctions. Journal of Physics Condensed Matter, 2018, 30, 355301.	1.8	12
8	Influence of the velocity barrier on the massive Dirac electron transport in a monolayer MoS_2 quantum structure. Frontiers of Physics, 2020, 15, 1.	5.0	7
9	Magnetotransport in a zigzag monolayer MoS_2 nanoribbon with ferromagnetic electrodes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125852.	2.1	5
10	Simultaneous perfect polarization of spin and valley using monolayer MoS_2 modulated by light and spin Zeeman field. Journal Physics D: Applied Physics, 2021, 54, 425305.	2.8	4
11	Spin transport through a double quantum-dot system with tunable magnetic field. , 2011, , .		0
12	Current resonances and current platforms in a two-level InAs quantum dot with asymmetric terahertz irradiations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1771-1774.	2.1	0
13	Unusual Quantum Transport in the Quantum Dot under Microwave Field Irradiation. Integrated Ferroelectrics, 2015, 160, 127-134.	0.7	0
14	Spin Transport in Electric-Barrier-Modulated Ferromagnetic/Normal/Ferromagnetic Monolayer Zigzag MoS_2 Nanoribbon Junction. Spin, 2018, 08, 1840006.	1.3	0