

RuiYang Yuan

List of Publications by Year in descending order

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14
papers

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1307594

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Valley filter and valley valve based on $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:mi} \text{WSe} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \text{2} \langle \text{mml:mn} \rangle \text{2} \rangle \rangle \rangle \rangle$ double-barrier junctions modulated by polarized light. Physical Review B, 2021, 103, . | | |
| 2 | 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 |
| 3 | Multichannel Depletion-Type Field-Effect Transistor Based on Ferromagnetic Germanene. Physical Review Applied, 2021, 16, . | 3.8 | 20 |
| 4 | 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 |
| 5 | All-Optically Controlled Topological Transistor Based on $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \text{overflow="scroll"} \langle \text{mml:mi} \text{X} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \text{enes} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \rangle \rangle$. Physical Review Applied, 2020, 14, . | 3.8 | 29 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Spin Transport in Electric-Barrier-Modulated Ferromagnetic/Normal/Ferromagnetic Monolayer Zigzag MoS_2 Nanoribbon Junction. Spin, 2018, 08, 1840006. | 1.3 | 0 |
| 10 | Enhanced spin polarization and valley polarization in monolayer MoS_2 junctions. Journal of Physics Condensed Matter, 2018, 30, 355301. | 1.8 | 12 |
| 11 | 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 |
| 12 | Unusual Quantum Transport in the Quantum Dot under Microwave Field Irradiation. Integrated Ferroelectrics, 2015, 160, 127-134. | 0.7 | 0 |
| 13 | Coulomb interaction effects on the terahertz photon-assisted tunneling through an InAs quantum dot. Physical Review B, 2014, 89, . | 3.2 | 12 |
| 14 | Spin transport through a double quantum-dot system with tunable magnetic field. , 2011, , . | | 0 |