

Jiafu Wang

List of Publications by Year in descending order

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papers

271
citations

1307594

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12
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docs citations

12
times ranked

291
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis mechanism and magnetoresistance effect of millimeter-sized GeTe faceted crystals. Journal of Physics and Chemistry of Solids, 2022, 165, 110671.	4.0	1
2	Prediction of two-dimensional M2As (M=ÅMn, Fe) with high Curie temperature and large perpendicular magnetic anisotropy. Computational Materials Science, 2021, 200, 110838.	3.0	5
3	Pt ₅ Se ₄ Monolayer: A Highly Efficient Electrocatalyst toward Hydrogen and Oxygen Electrode Reactions. ACS Applied Materials & Interfaces, 2020, 12, 13896-13903.	8.0	26
4	Negative differential resistance and unsaturated magnetoresistance effects based on avalanche breakdown. Journal of Physics Condensed Matter, 2020, 32, 305701.	1.8	2
5	First-principle study on honeycomb fluorated-InTe monolayer with large Rashba spin splitting and direct bandgap. Applied Surface Science, 2019, 471, 18-22.	6.1	19
6	Tunable Rashba spin splitting in two-dimensional graphene/As-I heterostructures. Applied Surface Science, 2018, 427, 10-14.	6.1	7
7	Design lateral heterostructure of monolayer ZrS ₂ and HfS ₂ from first principles calculations. Applied Surface Science, 2018, 436, 919-926.	6.1	33
8	Electric field manipulation of multiple nonequivalent Dirac cones in the electronic structures of hexagonal CrB ₄ sheet. Chinese Physics B, 2018, 27, 097304.	1.4	1
9	Surface regulated arsenenes as Dirac materials: From density functional calculations. Applied Surface Science, 2017, 394, 625-629.	6.1	17
10	Resonance-enhanced signal detection and transduction in the Hodgkin-Huxley neuronal systems. Physical Review E, 2001, 63, 021907.	2.1	97
11	Frequency sensitivity in weak signal detection. Physical Review E, 1999, 59, 3453-3460.	2.1	56
12	Frequency characteristics and intrinsic oscillations in a neuronal network. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 256, 181-187.	2.1	7