

Jiafu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

271
citations

1307594

7
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

291
citing authors

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