

Peng Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

409
citations

687363

13
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752698

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21
times ranked

238
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant tunneling electroresistance in two-dimensional ferroelectric tunnel junctions with out-of-plane ferroelectric polarization. <i>Physical Review B</i> , 2020, 101, .	3.2	52
2	Prediction of the two-dimensional Janus ferrovalley material LaBrI. <i>Physical Review B</i> , 2021, 104, .	3.2	49
3	Pure spin current generation via photogalvanic effect with spatial inversion symmetry. <i>Physical Review B</i> , 2020, 102, .	3.2	43
4	Realizing giant tunneling electroresistance in two-dimensional graphene/BiP ferroelectric tunnel junction. <i>Nanoscale</i> , 2019, 11, 16837-16843.	5.6	35
5	Tuning a zigzag SiC nanoribbon as a thermal spin current generator. <i>2D Materials</i> , 2017, 4, 035001.	4.4	29
6	Giant tunnel electroresistance in ferroelectric tunnel junctions with metal contacts to two-dimensional ferroelectric materials. <i>Physical Review B</i> , 2021, 103, .	3.2	26
7	Ferroelectric control of electron half-metallicity in A -type antiferromagnets and its application to nonvolatile memory devices. <i>Physical Review B</i> , 2020, 102, .	3.2	23
8	Computational prediction of a two-dimensional semiconductor SnO_2 with negative Poisson's ratio and tunable magnetism by doping. <i>Physical Review B</i> , 2020, 102, .	3.2	22
9	Robust generation of half-metallic transport and pure spin current with photogalvanic effect in zigzag silicene nanoribbons. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 495701.	1.8	18
10	Two-dimensional centrosymmetrical antiferromagnets for spin photogalvanic devices. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	18
11	Carbon phosphide nanoribbons with spatial inversion symmetry: robust generators of pure spin current with a photogalvanic effect. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 17131-17139.	2.8	18
12	Realizing robust half-metallic transport with chemically modified graphene nanoribbons. <i>Carbon</i> , 2019, 141, 676-684.	10.3	17
13	up to 23.6 ÅK and robust superconductivity in the transition metal Tc phase at megabar pressure. <i>Physical Review B</i> , 2022, 105, .	3.2	13
14	Spin current generation by thermal gradient in graphene/h-BN/graphene lateral heterojunctions. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 015303.	2.8	11
15	Thermal spin current in zigzag silicene nanoribbons with sp^2 - sp^3 edges. <i>RSC Advances</i> , 2017, 7, 28124-28129.	3.6	9
16	Domain-wall induced giant tunneling electroresistance effect in two-dimensional Graphene/In ₂ Se ₃ ferroelectric tunnel junctions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 133, 114783.	2.7	7
17	Tuning of electronic and optical properties of a predicted silicon allotrope: Hexagonal silicon h -Si. <i>Physical Review B</i> , 2021, 104, .	3.2	7
18	Thermal gradient driven spin current in BN co-doped ferromagnetic zigzag graphene nanoribbons. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 115, 113684.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Pressure-tuned one- to quasi-two-dimensional structural phase transition and superconductivity in LiP_{15} . Physical Review B, 2022, 105, .	3.2	4
20	Realizing fully spin polarized transport in graphene nanoribbons with design of van der Waals vertical heterostructure leads. Journal Physics D: Applied Physics, 2018, 51, 385301.	2.8	3
21	Insights into superconductivity of LaO from experiments and first-principles calculations. Physical Review B, 2021, 104, .	3.2	2