

Xingfei Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

214
citations

1163117

8
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

142
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-modulated anisotropic Andreev reflection across an 8-Pmmn borophene-based superconducting junction. Results in Physics, 2021, 27, 104523.	4.1	6
2	Andreev reflection and Josephson effect in the $\hat{I}\hat{a}^{\sim}T3$ lattice. Physical Review B, 2021, 104, .	3.2	8
3	Anomalous Andreev reflection in an 8- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>P</mml:mi><mml:mi>m</mml:mi><mml:mi>m</mml:mi></mml:mrow></mml:math> borophene-based superconducting junction. Physical Review B, 2020, 102, .	3.2	21
4	Valley splitting and anomalous Klein tunneling in borophane-based n-p and n-p-n junctions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126612.	2.1	7
5	Anisotropic Andreev reflection across a borophane-based superconducting junction. Europhysics Letters, 2020, 130, 17004.	2.0	4
6	Valley-Mediated and Electrically Switched Bipolar-Unipolar Transition of the Spin-Diode Effect in Heavy Group-IV Monolayers. Physical Review Applied, 2019, 11, .	3.8	18
7	Light-modulated valley-dependent birefringence of electron, the Brewster-like angles, and the giant magnetoresistance-like effect across a graphene-based junction. Journal of Applied Physics, 2019, 125, 175105.	2.5	4
8	Giant Seebeck magnetoresistance triggered by electric field and assisted by a valley through a ferromagnetic/antiferromagnetic junction in heavy group-IV monolayers. Physical Review B, 2019, 99, .	3.2	19
9	Valley-dependent electron retroreflection and anomalous Klein tunneling in an 8- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>P</mml:mi><mml:mi>m</mml:mi><mml:mi>m</mml:mi></mml:mrow></mml:math> borophene-based <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>n</mml:mi></mml:mrow></mml:math> junction. Physical Review B, 2019, 100, .	3.2	21
10	Silicene-based <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>\tilde{\epsilon}</mml:mi></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>\tilde{t}</mml:mi></mml:mrow></mml:math> Josephson junctions. Physical Review B, 2017, 95, .	3.2	18
11	Light-modulated 0- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>\tilde{\epsilon}</mml:mi></mml:math> transition in a silicene-based Josephson junction. Physical Review B, 2016, 94, .	3.2	25
12	Negative differential thermal conductance and thermal rectification effects across a graphene-based superconducting junction. Journal of Applied Physics, 2016, 119, .	2.5	6
13	Detecting topological phases in silicene by anomalous Nernst effect. Applied Physics Letters, 2016, 108, .	3.3	24
14	Anomalous thermomagnetic effects in an epitaxial and irradiated graphene monolayer. Physical Review B, 2015, 92, .	3.2	26
15	Enhanced spin figure of merit in an Aharonov-Bohm ring with a double quantum dot. Journal of Applied Physics, 2014, 115, .	2.5	8
16	Light-modulated electron retroreflection and Klein tunneling in a graphene-based n-p-n junction. Chinese Physics B, 0, , .	1.4	1
17	Anisotropic refraction and valley-spin-dependent anomalous Klein tunneling in an $1T\hat{\epsilon}2\text{-MoS}₂</math>-based p-n junction. Chinese Physics B, 0, , .$	1.4	1