

Shu-guang Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

351
citations

1163117

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h-index

794594

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g-index

19
all docs

19
docs citations

19
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Nernst effect and Nernst effect in two-dimensional electron systems. Physical Review B, 2008, 78, .	3.2	80
2	Controllable Andreev Retroreflection and Specular Andreev Reflection in a Four-Terminal Graphene-Superconductor Hybrid System. Physical Review Letters, 2009, 103, 167003.	7.8	71
3	Manipulation and Characterization of the Valley-Polarized Topological Kink States in Graphene-Based Interferometers. Physical Review Letters, 2018, 121, 156801.	7.8	36
4	The valley filter efficiency of monolayer graphene and bilayer graphene line defect model. New Journal of Physics, 2016, 18, 103024.	2.9	29
5	Electronic transport through a graphene-based ferromagnetic/normal/ferromagnetic junction. Journal of Physics Condensed Matter, 2010, 22, 035301.	1.8	27
6	Quantum Spin-Valley Hall Kink States: From Concept to Materials Design. Physical Review Letters, 2021, 127, 116402.	7.8	25
7	Perfect valley filter based on a topological phase in a disordered Sb monolayer heterostructure. Physical Review B, 2018, 97, .	3.2	17
8	Effects of intervalley scattering on the transport properties in one-dimensional valleytronic devices. Scientific Reports, 2016, 6, 23211.	3.3	16
9	The quantum anomalous Hall effect in a topological insulator thin film – The role of magnetic disorder. Europhysics Letters, 2014, 105, 57004.	2.0	8
10	Quantum Hall effect in wedge-shaped samples. Physical Review B, 2020, 102, .	3.2	8
11	Transport properties of monolayer and bilayer graphene p-n junctions with charge puddles in the quantum Hall regime. Journal of Physics Condensed Matter, 2010, 22, 465301.	1.8	7
12	Engineering a topological quantum dot device through planar magnetization in bismuthene. Physical Review B, 2019, 99, .	3.2	6
13	Topological kink states in graphene. Nanotechnology, 2021, 32, 402001.	2.6	6
14	Investigation of valley-resolved transmission through gate defined graphene carrier guiders. Journal of Physics Condensed Matter, 2017, 29, 145301.	1.8	4
15	Majorana zero modes from topological kink states in the two-dimensional electron gas. Physical Review B, 2020, 101, .	3.2	4
16	The electronic transport efficiency of a graphene charge carrier guider and an Aharonov-Bohm interferometer. Journal of Physics Condensed Matter, 2018, 30, 485302.	1.8	3
17	Magnetic field mediated conductance oscillation in graphene p-n junctions. Journal of Physics Condensed Matter, 2018, 30, 165301.	1.8	2
18	The Andreev reflection of zero line mode in graphene-superconductor hybrid junction. Journal of Physics Condensed Matter, 2015, 27, 125002.	1.8	1

#	ARTICLE	IF	CITATIONS
19	The realization of quantum anomalous Hall effect in two dimensional electron gas. Journal of Physics Condensed Matter, 2021, 33, 105701.	1.8	1