

Huichao Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electron- π Electron Interaction and Weak Antilocalization Effect in a Transition Metal Dichalcogenide Superconductor. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .	2.4	5
2	Negative Chemical Pressure Effect on the Superconductivity and Charge Density Wave of $\text{Cu}_{0.5}\text{Ir}_x\text{Zr}_x\text{Te}_2$. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3705-3712.	3.1	4
3	High thermoelectric performance of $\text{ZrTe}_2/\text{SrTiO}_3$ heterostructure. <i>Journal of Materiomics</i> , 2022, 8, 570-576.	5.7	4
4	Quadratic Twists of Abelian Varieties With Real Multiplication. <i>International Mathematics Research Notices</i> , 2021, 2021, 3267-3298.	1.0	4
5	Elements of given order in Tate-Shafarevich groups of abelian varieties in quadratic twist families. <i>Algebra and Number Theory</i> , 2021, 15, 627-655.	0.6	2
6	Induced anomalous Hall effect of massive Dirac fermions in ZrTe_2 and HfTe_2 thin flakes. <i>Physical Review B</i> , 2021, 103, .	3.2	15
7	Metallic capped quasi-two-dimensional electron gas in a SrTiO_3 -based heterostructure. <i>Applied Physics Letters</i> , 2021, 119, 201602.	3.3	2
8	The average size of the 3-isogeny Selmer groups of elliptic curves $y^2=x^3+k$. <i>Journal of the London Mathematical Society</i> , 2020, 101, 299-327.	1.0	8
9	Thickness-dependent magnetotransport properties in 1T VSe_2 single crystals prepared by chemical vapor deposition. <i>Nanotechnology</i> , 2020, 31, 145712.	2.6	17
10	Unconventional Hall effect induced by Berry curvature. <i>National Science Review</i> , 2020, 7, 1879-1885.	9.5	19
11	Tunable discrete scale invariance in transition-metal pentatelluride flakes. <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	7
12	High-Temperature Anomalous Hall Effect in a Transition Metal Dichalcogenide Ferromagnetic Insulator Heterostructure. <i>ACS Nano</i> , 2020, 14, 7077-7084.	14.6	15
13	Log-periodic quantum magneto-oscillations and discrete-scale invariance in topological material HfTe_5 . <i>National Science Review</i> , 2019, 6, 914-920.	9.5	15
14	Magnetotransport Properties of Layered Topological Material ZrTe_2 Thin Film. <i>ACS Nano</i> , 2019, 13, 6008-6016.	14.6	33
15	Log-periodic quantum oscillations in topological or Dirac materials. <i>Frontiers of Physics</i> , 2019, 14, 1.	5.0	1
16	Discovery of log-periodic oscillations in ultraquantum topological materials. <i>Science Advances</i> , 2018, 4, eaau5096.	10.3	54
17	Electron transport in Dirac and Weyl semimetals. <i>Chinese Physics B</i> , 2018, 27, 107402.	1.4	27
18	Substrate orientation-induced epitaxial growth of face centered cubic Mo_2C superconductive thin film. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10822-10827.	5.5	71

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19	<p>Excimer-enhanced pulsed laser deposition of single-crystalline $M\text{O}$ ultrathin superconducting films.</p> <p>Chiral anomaly and ultrahigh mobility in crystalline HfTe_5.</p>	2.4	53
20	<p>Observation of superconductivity induced by a point contact on 3D Dirac semimetal Cd_3As_2 crystals.</p> <p>Anisotropic Fermi Surface and Quantum Limit Transport in High Mobility Three-Dimensional Dirac Semimetal Cd_3As_2.</p>	3.2	53
21	<p>Observation of superconductivity induced by a point contact on 3D Dirac semimetal Cd_3As_2 crystals. Nature Materials, 2016, 15, 38-42.</p>	27.5	209
22	<p>Anisotropic magnetotransport and exotic longitudinal linear magnetoresistance in WTe_2 crystals.</p>	8.9	118
23	<p>Growth and Electronic Transport Property of Layered BiOCl Microplates. Advanced Materials Interfaces, 2015, 2, 1500194.</p>	3.7	10
24	<p>Quantum oscillations in a two-dimensional electron gas in black phosphorus thin films. Nature Nanotechnology, 2015, 10, 608-613.</p>	31.5	282
25	<p>Direct Growth of High-Quality Graphene on High-ϵ Dielectric SrTiO_3 Substrates. Journal of the American Chemical Society, 2014, 136, 6574-6577.</p>	13.7	133
26	<p>Crossover from 3D to 2D Quantum Transport in $\text{Bi}_2\text{Se}_3/\text{In}_2\text{Se}_3$ Superlattices. Nano Letters, 2014, 14, 5244-5249.</p>	9.1	44
27	<p>Crossover between Weak Antilocalization and Weak Localization of Bulk States in Ultrathin Bi_2Se_3 Films. Scientific Reports, 2014, 4, 5817.</p>	3.3	52
28	<p>Demonstration of surface transport in a hybrid $\text{Bi}_2\text{Se}_3/\text{Bi}_2\text{Te}_3$ heterostructure. Scientific Reports, 2013, 3, 3060.</p>	3.3	67