

# Huisheng Zhang

## List of Publications by Year in descending order

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16  
papers

365  
citations

840776

11  
h-index

940533

16  
g-index

16  
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16  
docs citations

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times ranked

500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Binary and Ternary Colloidal Cu <sub>2</sub> SnTe Nanocrystals for Thermoelectric Thin Films. <i>Small</i> , 2021, 17, e2006729.	10.0	8
2	Tunable topological states in layered magnetic materials of $\text{MnSb}$ and $\text{MnSbTe}$ . <i>Physical Review B</i> , 2021, 103, .	3.0	30
3	Co <sub>3</sub> O <sub>4</sub> Nanocomposite on Cobalt Foam as Efficient Bifunctional Electrocatalysts for Hydrazine-Assisted Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4688-4701.	6.7	45
4	Selective Substrate-Orbital-Filtering Effect to Realize the Large-Gap Quantum Spin Hall Effect. <i>Nano Letters</i> , 2021, 21, 5828-5833.	9.1	6
5	One-Pot Synthesis Enables Magnetic Coupled Cr <sub>2</sub> Te <sub>3</sub> /MnTe/Cr <sub>2</sub> Te <sub>3</sub> Integrated Heterojunction Nanorods. <i>Nano Letters</i> , 2021, 21, 7684-7690.	9.1	8
6	Prediction of monolayered ferromagnetic $\text{CrMn}_6\text{Te}_8$ as an intrinsic high-temperature quantum anomalous Hall system. <i>Physical Review B</i> , 2020, 102, .	3.2	18
7	Abundant valley-polarized states in two-dimensional ferromagnetic van der Waals heterostructures. <i>Physical Review B</i> , 2020, 101, .	3.2	42
8	High-temperature and multichannel quantum anomalous Hall effect in pristine and alkali-metal-doped CrBr <sub>3</sub> monolayers. <i>Nanoscale</i> , 2020, 12, 13964-13972.	5.6	16
9	Solution Synthesis of Layered van der Waals (vdW) Ferromagnetic CrGeTe <sub>3</sub> Nanosheets from a Non-vdW Cr <sub>2</sub> Te <sub>3</sub> Template. <i>Journal of the American Chemical Society</i> , 2020, 142, 4438-4444.	13.7	39
10	Possible realization of the high-temperature and multichannel quantum anomalous Hall effect in graphene/CrBr <sub>3</sub> heterostructures under pressure. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17087-17095.	2.8	23
11	Topological phase transition induced by $p_x$ and $p_z$ band inversion in a honeycomb lattice. <i>Nanoscale</i> , 2019, 11, 13807-13814.	5.6	9
12	Converting a two-dimensional ferromagnetic insulator into a high-temperature quantum anomalous Hall system by means of an appropriate surface modification. <i>Physical Review B</i> , 2019, 99, .	3.2	23
13	Room temperature quantum spin Hall insulator: Functionalized stanene on layered PbI <sub>2</sub> substrate. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	12
14	Structural Evolution of Flower Defects and Effects on the Electronic Structures of Epitaxial Graphene. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15282-15287.	3.1	10
15	Quantum spin quantum anomalous Hall effect with tunable edge states in Sb monolayer-based heterostructures. <i>Physical Review B</i> , 2016, 94, .	3.2	42
16	Enhanced thermoelectric properties of the Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> . <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1637-1643.	6.0	34