

# Huisheng Zhang

## List of Publications by Year in descending order

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16  
papers

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citations

840776

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citing authors

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