Zhaoming Fu

List of Publications by Year
in descending order

31	977	394421	434195
papers	citations	19 h-index	31 g-index

31	31	31	1425
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ordered Macroporous Superstructure of Nitrogenâ€Doped Nanoporous Carbon Implanted with Ultrafine Ru Nanoclusters for Efficient pHâ€Universal Hydrogen Evolution Reaction. Advanced Materials, 2021, 33, e2006965.	21.0	213
2	MXene (Ti₃C₂T_x) and Carbon Nanotube Hybrid-Supported Platinum Catalysts for the High-Performance Oxygen Reduction Reaction in PEMFC. ACS Applied Materials & Interfaces, 2020, 12, 19539-19546.	8.0	67
3	The electronic transport properties of transition-metal dichalcogenide lateral heterojunctions. Journal of Materials Chemistry C, 2016, 4, 10962-10966.	5.5	59
4	Understanding the Activity of Single-Atom Catalysis from Frontier Orbitals. Physical Review Letters, 2020, 125, 156001.	7.8	53
5	Strong enhancement of spin ordering by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math>-site magnetic ions in the ferrimagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CaC</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi	8.2	44
6	Large-Scale Domain Engineering in Two-Dimensional Ferroelectric CuInP₂S₆ via Giant Flexoelectric Effect. Nano Letters, 2022, 22, 3275-3282.	9.1	43
7	Repairing single and double atomic vacancies in a C₃N monolayer with CO or NO molecules: a first-principles study. Physical Chemistry Chemical Physics, 2018, 20, 13517-13527.	2.8	41
8	Tailoring the Electronic Structure of Transition Metals by the V₂C MXene Support: Excellent Oxygen Reduction Performance Triggered by Metalâ€“Support Interactions. ACS Applied Materials & Interfaces, 2020, 12, 28206-28216.	8.0	39
9	The rectifying and negative differential resistance effects in graphene/h-BN nanoribbon heterojunctions. Physical Chemistry Chemical Physics, 2016, 18, 27976-27980.	2.8	36
10	Electronic transport properties of the first all-boron fullerene B₄₀and its metallofullerene Sr@B₄₀. Physical Chemistry Chemical Physics, 2016, 18, 12024-12028.	2.8	35
11	Gap Symmetry of the Heavy Fermion Superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CeCu</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> at Ambient Pressure. Physical Review Letters, 2018, 120, 217001.	7.8	32
12	Intrinsic negative differential resistance characteristics in zigzag boron nitride nanoribbons. RSC Advances, 2014, 4, 46934-46939.	3.6	27
13	Heavy fermion behavior in the quasi-one-dimensional Kondo lattice CeCo2Ga8. Npj Quantum Materials, 2017, 2, .	5.2	27
14	Influence of electric fields on the structure and structure transition of water confined in a carbon nanotube. Journal of Chemical Physics, 2014, 140, 154508.	3.0	26
15	Tailoring tantalum doping into a perovskite ferrite to obtain a highly active and stable anode for solid oxide fuel cells. Journal of Materials Chemistry A, 2020, 8, 18778-18791.	10.3	24
16	Spin-dependent electronic transport properties of zigzag silicon carbon nanoribbon. RSC Advances, 2015, 5, 107136-107141.	3.6	22
17	Dopant segregation and CO adsorption on doped Fe3O4 (1â€¯1â€¯1) surfaces: A first-principle study. Journal of Catalysis, 2018, 364, 291-296.	6.2	22
18	Effects of Sm doping content on the ionic conduction of CeO2 in SOFCs from first principles. Applied Physics Letters, 2017, 111, .	3.3	20

#	Article	IF	Citations
19	Strong metalâ€“support interactions impart activity in the oxygen reduction reaction: Au monolayer on Mo₂C (MXene). Journal of Physics Condensed Matter, 2018, 30, 475201.	1.8	20
20	Effects of a TiC substrate on the catalytic activity of Pt for NO reduction. Physical Chemistry Chemical Physics, 2016, 18, 13304-13309.	2.8	17
21	Substrate effects on the in-plane ferroelectric polarization of two-dimensional SnTe. Physical Review B, 2019, 99, .	3.2	17
22	Importance of oxygen spillover for fuel oxidation on Ni/YSZ anodes in solid oxide fuel cells. Physical Chemistry Chemical Physics, 2014, 16, 8536.	2.8	16
23	Comparative Study of C₃N- and Graphene-Supported Single-Atom Pt. Journal of Physical Chemistry C, 2019, 123, 5731-5735.	3.1	12
24	Rectifications in organic single-molecule diodes alkanethiolate-terminated heterocyclics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 923-926.	2.1	11
25	Tuning the Physical and Chemical Properties of 2D InSe with Interstitial Boron Doping: A First-Principles Study. Journal of Physical Chemistry C, 2017, 121, 28312-28316.	3.1	11
26	The magnetism and spin-dependent electronic transport properties of boron nitride atomic chains. Journal of Chemical Physics, 2016, 145, 044301.	3.0	9
27	Interface-induced ferroelectric domains and charged domain walls in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Bi</mml:mi><mml:mi>Fe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow><mml:mo>/</mml:mo><mml:mrow><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> superlattices. Physical Review B, 2021, 103, .	3.2	9
28	Understanding the correlation between the electronic structure and catalytic behavior of TiC(001) and TiN(001) surfaces: DFT study. Applied Surface Science, 2019, 494, 57-62.	6.1	8
29	An electronic perturbation in TiC supported platinum monolayer catalyst for enhancing waterâ€“gas shift performance: DFT study. Journal of Physics Condensed Matter, 2019, 31, 305201.	1.8	8
30	Synthesis, Structure, and Properties of the Layered Oxyselenide Ba₂CuO₂Cu₂Se₂. Inorganic Chemistry, 2018, 57, 5108-5113.	4.0	5
31	The growth modes of graphene in the initial stage of a chemical vapor-deposition process. RSC Advances, 2016, 6, 91157-91162.	3.6	4