

Peng Wang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,282
citations

933447

10
h-index

940533

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g-index

16
all docs

16
docs citations

16
times ranked

2260
citing authors

#	ARTICLE	IF	CITATIONS
1	Doping Monolayer Graphene with Single Atom Substitutions. Nano Letters, 2012, 12, 141-144.	9.1	533
2	2D covalent triazine framework: a new class of organic photocatalyst for water splitting. Journal of Materials Chemistry A, 2015, 3, 7750-7758.	10.3	229
3	MBene (MnB): a new type of 2D metallic ferromagnet with high Curie temperature. Nanoscale Horizons, 2018, 3, 335-341.	8.0	183
4	Screening and Design of Novel 2D Ferromagnetic Materials with High Curie Temperature above Room Temperature. ACS Applied Materials & Interfaces, 2018, 10, 39032-39039.	8.0	167
5	Giant magnetic anisotropy of a 5d transition metal decorated two-dimensional polyphthalocyanine framework. Journal of Materials Chemistry C, 2016, 4, 2147-2154.	5.5	35
6	Engineering magnetic anisotropy in two-dimensional magnetic materials. Advances in Physics: X, 2018, 3, 1432415.	4.1	28
7	Chemically Engineering Magnetic Anisotropy of 2D Metalloporphyrin. Advanced Science, 2017, 4, 1700019.	11.2	22
8	Time-reversal-breaking Weyl nodal lines in two-dimensional A_3C_2 ($A = Ti, Zr$). Tj ETQq0 0 0 rgBT /Overlock 10 8235-8241.	5.6	20
9	Robust spin manipulation in 2D organometallic Kagome lattices: a first-principles study. Physical Chemistry Chemical Physics, 2020, 22, 11045-11052.	2.8	17
10	Bottom-up design of 2D organic photocatalysts for visible-light driven hydrogen evolution. Journal of Physics Condensed Matter, 2016, 28, 034004.	1.8	13
11	Rational design of 2D organic magnets with giant magnetic anisotropy based on two-coordinate 5d transition metals. APL Materials, 2020, 8, .	5.1	10
12	Block elemental-atom-embedded C_3N_4 First-Principles Calculations of Room-Temperature Antiferromagnetism in Crystalline	2.8	7
13	Transition-Metal Borate Nanosheets: Implications for Spintronics Applications. ACS Applied Nano Materials, 2021, 4, 10877-10885.	5.0	6
14	Band gap and magnetic engineering of penta-graphene <i>via</i> adsorption of small transition clusters. Physical Chemistry Chemical Physics, 2020, 22, 26155-26166.	2.8	5
15	Prediction of huge magnetic anisotropies in 5d transition metallocenes. Journal of Physics Condensed Matter, 2017, 29, 435802.	1.8	4
16	Bimetal single-molecule magnets supported on benzene with large magnetic anisotropy and unquenched orbital moment. Physical Review Research, 2021, 3, .	3.6	3