

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

16
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16
all docs

16
docs citations

16
times ranked

2260
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Block elemental-atom-embedded C_3 nanowires. <i>ACS Applied Nano Materials</i> , 2021, 4, 10877-10885. | 2.6 | 2 |
| 2 | Bimetal single-molecule magnets supported on benzene with large magnetic anisotropy and unquenched orbital moment. <i>Physical Review Research</i> , 2021, 3, . | 3.6 | 3 |
| 3 | Time-reversal-breaking Weyl nodal lines in two-dimensional A_3C_2 ($A = \text{Ti, Zr}$). <i>Physical Review Letters</i> , 2021, 126, 087201. | 11.0 | 14 |
| 4 | First-Principles Calculations of Room-Temperature Antiferromagnetism in Crystalline Transition-Metal Borate Nanosheets: Implications for Spintronics Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 10877-10885. | 5.0 | 6 |
| 5 | Rational design of 2D organic magnets with giant magnetic anisotropy based on two-coordinate 5d transition metals. <i>APL Materials</i> , 2020, 8, . | 5.1 | 10 |
| 6 | Band gap and magnetic engineering of penta-graphene via adsorption of small transition clusters. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 26155-26166. | 2.8 | 5 |
| 7 | Robust spin manipulation in 2D organometallic Kagome lattices: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11045-11052. | 2.8 | 17 |
| 8 | MBene (MnB): a new type of 2D metallic ferromagnet with high Curie temperature. <i>Nanoscale Horizons</i> , 2018, 3, 335-341. | 8.0 | 183 |
| 9 | Engineering magnetic anisotropy in two-dimensional magnetic materials. <i>Advances in Physics: X</i> , 2018, 3, 1432415. | 4.1 | 28 |
| 10 | Screening and Design of Novel 2D Ferromagnetic Materials with High Curie Temperature above Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39032-39039. | 8.0 | 167 |
| 11 | Prediction of huge magnetic anisotropies in 5d transition metallocenes. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 435802. | 1.8 | 4 |
| 12 | Chemically Engineering Magnetic Anisotropy of 2D Metalloporphyrin. <i>Advanced Science</i> , 2017, 4, 1700019. | 11.2 | 22 |
| 13 | Giant magnetic anisotropy of a 5d transition metal decorated two-dimensional polyphthalocyanine framework. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2147-2154. | 5.5 | 35 |
| 14 | Bottom-up design of 2D organic photocatalysts for visible-light driven hydrogen evolution. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 034004. | 1.8 | 13 |
| 15 | 2D covalent triazine framework: a new class of organic photocatalyst for water splitting. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7750-7758. | 10.3 | 229 |
| 16 | Doping Monolayer Graphene with Single Atom Substitutions. <i>Nano Letters</i> , 2012, 12, 141-144. | 9.1 | 533 |