

Yanfeng Ge

List of Publications by Year in descending order

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41
papers

816
citations

623734

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501196

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41
all docs

41
docs citations

41
times ranked

1386
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Superconductivity in graphite-diamond hybrid. <i>Materials Today Physics</i> , 2022, 23, 100630. | 6.0 | 7 |
| 2 | Tuning of n-type doping by intercalation of group V and VII atoms in SnS ₂ bilayer. <i>Materials Science in Semiconductor Processing</i> , 2022, 145, 106649. | 4.0 | 1 |
| 3 | Superconductivity in the two-dimensional nonbenzenoid biphenylene sheet with Dirac cone. <i>2D Materials</i> , 2022, 9, 015035. | 4.4 | 10 |
| 4 | Pressure-induced novel nitrogen-rich aluminum nitrides: AlN ₆ , Al ₂ N ₇ and AlN ₇ with polymeric nitrogen chains and rings. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12350-12359. | 2.8 | 8 |
| 5 | Emergence of intrinsic superconductivity in monolayer W ₂ N ₃ . <i>Physical Review B</i> , 2021, 103, . | 3.2 | 10 |
| 6 | Prediction of Chalcogen- δ -Doped VCl ₃ Monolayers as 2D Ferromagnetic Semiconductors with Enhanced Optical Absorption. <i>Annalen Der Physik</i> , 2021, 533, 2100064. | 2.4 | 3 |
| 7 | Diverse magnetism in stable and metastable structures of CrTe. <i>Frontiers of Physics</i> , 2021, 16, 1. | 5.0 | 6 |
| 8 | A New Type of Large- δ Quantum Spin Hall Insulator Material ZrSe ₅ . <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2100256. | 1.5 | 2 |
| 9 | Ternary FePSe ₃ Atomic Layers with Competitive Temperature Coefficient of Resistance for Uncooled Infrared Bolometers. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100491. | 3.7 | 6 |
| 10 | Room-temperature superconductivity in boron- and nitrogen-doped lanthanum superhydride. <i>Physical Review B</i> , 2021, 104, . | 3.2 | 13 |
| 11 | Strain tunable intrinsic ferromagnetic in 2D square CrBr ₂ . <i>AIP Advances</i> , 2021, 11, 115220. | 1.3 | 4 |
| 12 | Strain-tunable magnetic order and electronic structure in 2D CrAsS ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 165941. | 2.3 | 8 |
| 13 | Phonon-limited electronic transport of two-dimensional ultrawide bandgap material h-BeO. <i>Applied Physics Letters</i> , 2020, 117, 123101. | 3.3 | 13 |
| 14 | Large Magnetic Anisotropy Energy and Robust Half-Metallic Ferromagnetism in 2D MnXSe ₄ (X = As, Sb). <i>Annalen Der Physik</i> , 2020, 532, 2000365. | 2.4 | 4 |
| 15 | Two dimensional ferromagnetic semiconductor: monolayer CrGeS ₃ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 015701. | 1.8 | 20 |
| 16 | Modulation of heat transport in two-dimensional group-III chalcogenides. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 185102. | 2.8 | 6 |
| 17 | Theoretical study of the structure and magnetism of Ga _{1-x} V _x Sb compounds for spintronic applications. <i>Applied Physics Letters</i> , 2020, 116, . | 3.3 | 2 |
| 18 | High-temperature ferromagnetic semiconductors: Janus monolayer vanadium trihalides. <i>Physical Review B</i> , 2020, 101, . | 3.2 | 45 |

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|----|---|-----|-----------|
| 19 | Hole-doped room-temperature superconductivity in H ₃ S _{1-x} Z (Z=C, Si). <i>Materials Today Physics</i> , 2020, 15, 100330. | 6.0 | 53 |
| 20 | Robust intrinsic half-metallic ferromagnetism in stable 2D single-layer MnAsS ₄ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 385803. | 1.8 | 6 |
| 21 | Large thermoelectric power factor of high-mobility transition-metal dichalcogenides with $\sqrt{2} \times \sqrt{2}$ phase. <i>Physical Review Research</i> , 2020, 2, . | 1.6 | 18 |
| 22 | Direct and indirect optical absorptions of cubic BAs and BSb. <i>Optics Express</i> , 2020, 28, 238. | 3.4 | 13 |
| 23 | Pressure-induced phase transitions and superconductivity in a quasi-1-dimensional topological crystalline insulator $\text{I}_{\pm}\text{Bi}_4\text{Br}_4$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17696-17700. | 7.1 | 36 |
| 24 | Electronic, magnetic, and optical properties of Mn-doped GaSb: A first-principles study. <i>Physica B: Condensed Matter</i> , 2019, 572, 225-229. | 2.7 | 5 |
| 25 | Effects of layer stacking and strain on electronic transport in two-dimensional tin monoxide*. <i>Chinese Physics B</i> , 2019, 28, 077104. | 1.4 | 4 |
| 26 | Phonon and electron transport in Janus monolayers based on InSe. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 435501. | 1.8 | 27 |
| 27 | Strong phonon anharmonicity and low thermal conductivity of monolayer tin oxides driven by lone-pair electrons. <i>Applied Physics Letters</i> , 2019, 114, . | 3.3 | 16 |
| 28 | Hexagonal MASn ₃ exhibiting strong absorption of ultraviolet photons. <i>Applied Physics Letters</i> , 2019, 114, . | 3.3 | 5 |
| 29 | Sulfur-Doped Black Phosphorus Field-Effect Transistors with Enhanced Stability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9663-9668. | 8.0 | 93 |
| 30 | Superconductivity in Li-intercalated bilayer arsenene and hole-doped monolayer arsenene: a first-principles prediction. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 245701. | 1.8 | 6 |
| 31 | Type-I and type-II nodal lines coexistence in the antiferromagnetic monolayer CrAs ₂ . <i>Physical Review B</i> , 2018, 98, . | 3.2 | 17 |
| 32 | Magnetic diversity in stable and metastable structures of CrAs. <i>Physical Review B</i> , 2017, 96, . | 3.2 | 9 |
| 33 | High-performance electronic transport in the plane of 3D type-II Dirac semimetals. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 415701. | 1.8 | 1 |
| 34 | Two dimensional superconductors in electrides. <i>New Journal of Physics</i> , 2017, 19, 123020. | 2.9 | 22 |
| 35 | A new kind of 2D topological insulators BiCN with a giant gap and its substrate effects. <i>Scientific Reports</i> , 2016, 6, 30003. | 3.3 | 10 |
| 36 | First-principles demonstration of superconductivity at 280 K in hydrogen sulfide with low phosphorus substitution. <i>Physical Review B</i> , 2016, 93, . | 3.2 | 95 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Tunable Electronic Structures in Wrinkled 2D Transition-Metal Trichalcogenide (TMT) HfTe_3 Films. <i>Advanced Electronic Materials</i> , 2016, 2, 1600324. | 5.1 | 9 |
| 38 | The strain effect on superconductivity in phosphorene: a first-principles prediction. <i>New Journal of Physics</i> , 2015, 17, 035008. | 2.9 | 72 |
| 39 | Effect of doping and strain modulations on electron transport in monolayer MoS_2 . <i>Physical Review B</i> , 2014, 90, . | 3.2 | 56 |
| 40 | Phonon-mediated superconductivity in silicene predicted by first-principles density functional calculations. <i>Europhysics Letters</i> , 2013, 104, 36001. | 2.0 | 55 |
| 41 | A First-Principles Study of the Structural, Magnetic, Optical Properties and Doping Effect in Chromium Arsenide. <i>Physica Status Solidi (B): Basic Research</i> , 0, , 2200062. | 1.5 | 0 |