

# Ji Feng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8112071/publications.pdf>

Version: 2024-02-01

77  
papers

9,279  
citations

94381

37  
h-index

74108

75  
g-index

80  
all docs

80  
docs citations

80  
times ranked

13569  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Silver(II) route to unconventional superconductivity. <i>Physical Review B</i> , 2022, 105, .   | 1.1  | 2         |
| 2  | Charge doping to flat $\text{AgF}_2$ monolayers in a chemical capacitor setup. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 15705-15717.              | 1.3  | 3         |
| 3  | A non-iterative method for vertex corrections of the Kubo formula for electric conductivity. <i>Computer Physics Communications</i> , 2021, 258, 107551.        | 3.0  | 1         |
| 4  | Dynamical correlation enhanced orbital magnetization in $\text{VI}_3$ monolayers. <i>Physical Review B</i> , 2021, 103, .                                       | 1.1  | 0         |
| 5  | Growth of (111)-Orientated GdTe and TmTe Thin Films by van der Waals Molecular Beam Epitaxy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15465-15471.   | 1.5  | 3         |
| 6  | Worldline algorithm by oracle-guided variational autoregressive network. <i>Physical Review B</i> , 2021, 104, .  | 1.1  | 0         |
| 7  | Eightfold fermionic excitation in a charge density wave compound. <i>Physical Review B</i> , 2020, 102, .   | 1.1  | 20        |
| 8  | Emergent superconductivity in two-dimensional $\text{NiTe}_2$ crystals. <i>Physical Review B</i> , 2020, 101, .   | 1.1  | 0         |
| 9  | Distinction between pristine and disorder-perturbed charge density waves in $\text{ZrTe}_3$ . <i>Nature Communications</i> , 2020, 11, 98.                      | 5.8  | 21        |
| 10 | Giant pressure-enhancement of multiferroicity in $\text{CuBr}_2$ . <i>Physical Review Research</i> , 2020, 2, .   | 1.1  | 0         |
| 11 | Local engineering of topological phase in monolayer $\text{MoS}_2$ . <i>Science Bulletin</i> , 2019, 64, 1750-1756.   | 4.3  | 16        |
| 12 | Electron-phonon coupling and the coexistence of superconductivity and charge-density wave in monolayer $\text{NbSe}_2$ . <i>Physical Review B</i> , 2019, 99, . | 1.1  | 48        |
| 13 | Nonlinear photoresponse of type-II Weyl semimetals. <i>Nature Materials</i> , 2019, 18, 476-481.  | 13.3 | 185       |
| 14 | High-pressure lithium as an elemental topological semimetal. <i>Physical Review Materials</i> , 2019, 3, .  | 0.9  | 7         |
| 15 | Anisotropic Broadband Photoresponse of Layered Type-II Weyl Semimetal $\text{MoTe}_2$ . <i>Advanced Materials</i> , 2018, 30, e1707152.                         | 11.1 | 139       |
| 16 | Interface-Induced Zeeman-Protected Superconductivity in Ultrathin Crystalline Lead Films. <i>Physical Review X</i> , 2018, 8, .                                 | 2.8  | 36        |
| 17 | Imaging the dynamics of an individual hydrogen atom intercalated between two graphene sheets. <i>Physical Review B</i> , 2018, 97, .                            | 1.1  | 7         |
| 18 | First-principles study of charge and magnetic ordering in monolayer $\text{NbSe}_2$ . <i>Physical Review B</i> , 2018, 97, .                                    | 1.1  | 0         |

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|----|--|------|-----------|
| 19 | Bond ordering and phase transitions in Na <sub>2</sub> IrO <sub>3</sub> under high pressure. Physical Review B, 2018, 98, .  | 1.1  | 17        |
| 20 | Geometric effects in the effective-mass theory and topological optical superlattices. Physical Review A, 2018, 98, .   | 1.0  | 0         |
| 21 | Nontrivial superconductivity in topological MoTe <sub>2</sub> xS <sub>x</sub> crystals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9503-9508. | 3.3  | 65        |
| 22 | Magnetoconductivity of type-II Weyl semimetals. Physical Review B, 2018, 97, .   | 1.1  | 16        |
| 23 | Raman Signatures of Broken Inversion Symmetry and In-Plane Anisotropy in Type-II Weyl Semimetal Candidate Ta <sub>4</sub> Te <sub>4</sub> . Advanced Materials, 2018, 30, e1706402.            | 11.1 | 54        |
| 24 | Topological Dirac States beyond $\Gamma$ -Orbitals for Silicene on SiC(0001) Surface. Nano Letters, 2017, 17, 6195-6202.   | 4.5  | 36        |
| 25 | Ising Superconductivity and Quantum Phase Transition in Macro-Size Monolayer NbSe <sub>2</sub> . Nano Letters, 2017, 17, 6802-6807.  | 4.5  | 155       |
| 26 | Observation of magnetoelastic effects in a quasi-one-dimensional spiral magnet. Physical Review B, 2017, 96, .   | 1.1  | 6         |
| 27 | On the Quantum Spin Hall Gap of Monolayer 1T $\alpha$ -WTe <sub>2</sub> . Advanced Materials, 2016, 28, 4845-4851.   | 11.1 | 141       |
| 28 | Raman signatures of inversion symmetry breaking and structural phase transition in type-II Weyl semimetal MoTe <sub>2</sub> . Nature Communications, 2016, 7, 13552.                           | 5.8  | 118       |
| 29 | Graphene-based half-metal and spin-semiconductor for spintronic applications. Journal of Physics Condensed Matter, 2016, 28, 126004.   | 0.7  | 2         |
| 30 | Chiral anomaly and ultrahigh mobility in crystalline $\text{HfTe}_5$ . Physical Review B, 2016, 93, .  | 1.1  | 53        |
| 31 | Thermally Induced Graphene Rotation on Hexagonal Boron Nitride. Physical Review Letters, 2016, 116, 126101.  | 2.9  | 142       |
| 32 | Competing magnetic orderings and tunable topological states in two-dimensional hexagonal organometallic lattices. Physical Review B, 2016, 93, .   | 1.1  | 43        |
| 33 | Superconductivity in topologically nontrivial material Au <sub>2</sub> Pb. Npj Quantum Materials, 2016, 1, .   | 1.8  | 52        |
| 34 | Charge density waves and phonon-electron coupling in $\text{ZrTe}_3$ . Physical Review B, 2015, 91, .  | 1.1  | 33        |
| 35 | Giant and tunable valley degeneracy splitting in $\text{MoTe}_2$ . Physical Review B, 2015, 92, .  | 2.9  | 28        |
| 36 | First-Principles Study of the Magnetic Structure of Na <sub>2</sub> IrO <sub>3</sub> . Physical Review Letters, 2015, 115, 167204.   | 2.9  | 20        |



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|----|---|------|-----------|
| 55 | Strain-engineered artificial atom as a broad-spectrum solar energy funnel. <i>Nature Photonics</i> , 2012, 6, 866-872.  | 15.6 | 907       |
| 56 | Influence of water on the electronic structure of metal-supported graphene: Insights from van der Waals density functional theory. <i>Physical Review B</i> , 2012, 85, .   | 1.1  | 70        |
| 57 | The effect of the electron-phonon coupling on the thermal conductivity of silicon nanowires. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 295402.   | 0.7  | 9         |
| 58 | Strain-Engineering of Band Gaps in Piezoelectric Boron Nitride Nanoribbons. <i>Nano Letters</i> , 2012, 12, 1224-1228.  | 4.5  | 181       |
| 59 | Valley-selective circular dichroism of monolayer molybdenum disulphide. <i>Nature Communications</i> , 2012, 3, 887.  | 5.8  | 2,078     |
| 60 | The Possibility of Chemically Inert, Graphene-Based All-Carbon Electronic Devices with 0.8 eV Gap. <i>ACS Nano</i> , 2011, 5, 3475-3482.  | 7.3  | 49        |
| 61 | Adsorption of hydrogen on the interface of a graphene/boron nitride hybrid atomic membrane. <i>Physical Review B</i> , 2011, 84, .  | 1.1  | 10        |
| 62 | In situ observations of the nucleation and growth of atomically sharp graphene bilayer edges. <i>Carbon</i> , 2010, 48, 2354-2360.  | 5.4  | 33        |
| 63 | Double-diamond NaAl via pressure: Understanding structure through Jones zone activation. <i>Journal of Chemical Physics</i> , 2010, 132, 114106.  | 1.2  | 8         |
| 64 | Infochemistry: Encoding Information as Optical Pulses Using Droplets in a Microfluidic Device. <i>Journal of the American Chemical Society</i> , 2009, 131, 12420-12429.  | 6.6  | 27        |
| 65 | Phase separation of two-dimensional Coulombic crystals of mesoscale dipolar particles from mesoscale polarizable solvent. <i>Applied Physics Letters</i> , 2009, 94, .  | 1.5  | 16        |
| 66 | Geometric and electronic structure of graphene bilayer edges. <i>Physical Review B</i> , 2009, 80, .  | 1.1  | 60        |
| 67 | Phase separation of 2D meso-scale Coulombic crystals from meso-scale polarizable solvent. <i>Soft Matter</i> , 2009, 5, 1188-1191.  | 1.2  | 22        |
| 68 | Self-Supported Formation of Needlelike $\text{Co}_3\text{O}_4$ Nanotubes and Their Application as Lithium-Ion Battery Electrodes. <i>Advanced Materials</i> , 2008, 20, 258-262.  | 11.1 | 978       |
| 69 | Emergent reduction of electronic state dimensionality in dense ordered Li-Be alloys. <i>Nature</i> , 2008, 451, 445-448.  | 13.7 | 111       |
| 70 | Anomalous high-pressure behavior of amorphous selenium from synchrotron x-ray diffraction and microtomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13229-13234. | 3.3  | 50        |
| 71 | Theoretical Indications of Singular Structural and Electronic Features of Laves-Phase $\text{CaLi}_2$ Under Pressure. <i>Physical Review Letters</i> , 2007, 98, 247002.  | 2.9  | 24        |
| 72 | The Chemical Imagination at Work in Very Tight Places. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3620-3642.  | 7.2  | 393       |

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|----|--|-----|-----------|
| 73 | Structures and Potential Superconductivity in SiH <sub>4</sub> at High Pressure: En Route to "Metallic Hydrogen". Physical Review Letters, 2006, 96, 017006. | 2.9 | 187       |
| 74 | Pressure induced metallization of Germane. Journal of Physics and Chemistry of Solids, 2006, 67, 2095-2099.  | 1.9 | 59        |
| 75 | Reduction and Reconstruction of Co <sub>3</sub> O <sub>4</sub> Nanocubes upon Carbon Deposition. Journal of Physical Chemistry B, 2005, 109, 17113-17119.    | 1.2 | 27        |
| 76 | Size-Controlled Growth of Co <sub>3</sub> O <sub>4</sub> Nanocubes. Chemistry of Materials, 2003, 15, 2829-2835.   | 3.2 | 265       |
| 77 | Observation of 1D Fermi arc states in Weyl semimetal TaAs. National Science Review, 0, , .   | 4.6 | 2         |