



Cheng Peng

Research Assoc-Theoretical, SLAC National Accelerator Laboratory

Publications

PUBLICATIONS

- **Machine learning-empowered study of metastable CsPbI_3 under pressure and strain** *JOURNAL OF MATERIALS CHEMISTRY A*
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- **Exfoliable Transition Metal Chalcogenide Semiconductor NbSe_2I_2** *Inorganic chemistry*
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2024
- **Charge order and superconductivity in a two-band model for infinite-layer nickelates** *PHYSICAL REVIEW B*
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- **Bayesian experimental design and parameter estimation for ultrafast spin dynamics** *MACHINE LEARNING-SCIENCE AND TECHNOLOGY*
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- **Capturing dynamical correlations using implicit neural representations.** *Nature communications*
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- **A Quantum-Inspired Tensor Network Algorithm for Constrained Combinatorial Optimization Problems** *FRONTIERS IN PHYSICS*
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- **Testing the data framework for an AI algorithm in preparation for high data rate X-ray facilities**
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- **Gapless spin liquid and pair density wave of the Hubbard model on three-leg triangular cylinders** *NEW JOURNAL OF PHYSICS*

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- **Precursor of pair-density wave in doping Kitaev spin liquid on the honeycomb lattice** *NPJ QUANTUM MATERIALS*

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- **Doping Quantum Spin Liquids on the Kagome Lattice** *ADVANCED QUANTUM TECHNOLOGIES*

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