| No | Name | Title |
|---|---|---|
| 1 | Shota Kanasugi | Subspace-based local compilation of variational quantum circuits for large-scale quantum many-body simulation |
| 2 | Rihito Sakurai | Learning Fourier-based parametric option price using tensor cross interpolation |
| 3 | Hidehiro Saito | Engineering exact quantum many-body ground states in 1D and 2D |
| 4 | Hao-Ti Hung | Dynamical Quantum Phase Transition and Thermal Equilibrium in the Lattice Thirring Model |
| 5 | Junwei Feng | Large-scale Discontinuous Galerkin Real-Time Time-Dependent Density Functional Theory |
| 6 | Tatsuya Sakashita | Fast and accurate decoder for the XZZX code using simulated annealing |
| 7 | Tao-Lin Tan | Quantum many-body scars as caged eigenstates via destructive interference in Hilbert space |
| 8 | Akira SaiToh | Simulated bulk-ensemble search revisited in the current machine environment |
| 9 | Wei-Lin Tu | Generating Function for Projected Entangled-Pair States |
| 10 | SungBin Lee | Tensor network simulation of noiseless random quantum circuits |
| 11 | Daniel Donghyon Ohm | Benchmarking a PEPS Random Quantum Circuit Sampling Algorithm |
| 12 | Bo THOMSEN | Accelerating the Study of Nuclear Quantum Effects in water with Self-Learning Path Integral Monte Carlo |
| 13 | Yuya Nakagawa | Averaging gate approximation error and performance of Unitary Coupled Cluster ansatz in Pre-FTQC Era |
| 14 | Hirofumi Nishi | Probabilistic imaginary-time evolution with quantum error detection for spin qubits |
| 15 | Hiroshi Watanabe | Optimizing a generalized single-qubit gate and a controlled gate. |
| 16 | Shizhe Jiao | Projected wavefunction extrapolation scheme to accelerate plane-wave hybrid functional-based Born–Oppenheimer molecular dynamic simulations |
| 17 | Yufan Yao | Combining PWDFT with DeePMD for hybrid functional enabled ab initio molecular dynamics within plane waves |
| 18 | Koudai Sugimoto | DC electric field-driven discretization of single-particle excitation spectra in the Mott insulator |
| 19 | Ken Inayoshi | Nonequilibrium Green's function method with quantics tensor trains |
| 20 | Seongyeon Youn | Origin of the correlated gaps in twisted bilayer graphene |
| 21 | Luca Erhart | Chebyshev Approximated Variational Coupled Cluster for Quantum Computing |
| 22 | Hiroyoshi Kurogi | Quantum subspace compiling of the time-evolution operators for molecular systems by using sequential optimizers |
| 23 | Ken Okada | Classically optimized variational quantum eigensolver with application to topological phases |
| 24 | Pranay Patil | MPS approach to disordered Heisenberg chain |
| 25 | Yifan Ke | DeepH + HONPAS: Machine Learning-Assisted Hybrid Functional Calculations |
| 26 | Yuhei Ikeda | Application of adaptive quantum-selected configuration interaction method to ab initio extended Fermi-Hubbard model |
| 27 | Tianchun Wang | Quantum Krylov Method for Electronic Structure Simulations |
| 28 | Sanghyun Park | Degeneracy-engineered zero-temperature Mott transition in two-orbital Hund systems |
| 29 | Norifumi Matsumoto | Quantum many-body simulation of finite-temperature systems with sampling a series expansion of a quantum imaginary-time evolution |
| 30 | Shuhei Kashiwamura | Bayesian Parameter Estimation of Quantum Spin Models for the One-dimensional Quantum Magnet Azurite by a Surrogate-Assisted Monte Carlo Method |
| 31 | Takahiro Misawa | Compensated Ferrimagnets with Colossal Spin Splitting in Organic Compounds |
| 32 | Satoshi Morita | Multi-impurity method for bond-weighted tensor renormalization group |
| 33 | Kota Ido | Measurement of an excitation spectrum and a topological property using variational Monte Carlo method |
| 34 | Yuichiro Yoshida | Ab initio extended Hubbard model of short polyenes for efficient quantum computing |
| 35 | Riki Toshio | Accelerating Materials Simulation with Partially Fault-Tolerant Quantum Computing |
| 36 | Seongyeon Youn | Origin of the correlated gaps in twisted bilayer graphene |
| 37 | Jun Takahashi | NP-hardness of Sign-Problem Curing with Clifford Circuits |
| 38 | SungBin Lee | Projected entangled pair states simulation of noiseless random quantum circuits |
| 39 | Atsushi Hariki | DFT+DMFT study on correlated altermagnets |
| 40 | Hao-Ti Hung | Dynamical Quantum Phase Transition and Thermal Equilibrium in the Lattice Thirring Model |
| 41 | Koji Inui | Inverse Hamiltonian design of highly entangled quantum many-body systems |
| 42 | Haruki Shimizu | Tensor network simulations for non-orientable surfaces |
| 43 | Shizhe Jiao | Projected wavefunction extrapolation scheme to accelerate plane-wave hybrid functional-based Born–Oppenheimer molecular dynamic simulations |
| 44 | Tianchun Wang | Quantum Krylov Method for Electronic Structure Simulations |
| 45 | Hidemaro Suwa | Semiclassical dynamical simulation of weak Mott insulators |
| 46 | Beomjoon Goh | Role of On-site Coulomb Interaction in Electronic Raman Spectrum of Sr3Ir2O7 |
| 47 | Yao Yufan | Combining PWDFT with DeePMD for hybrid functional enabled ab initio molecular dynamics within plane waves |
| 48 | Koudai Sugimoto | DC electric field-driven discretization of single-particle excitation spectra in the Mott insulator |
| 49 | Hidehiro Saito | Engineering exact quantum many-body ground states in 1D and 2D |
| 50 | Han Yan | Hyperbolic fracton model as a toy model of holography |
| 51 | Kenji Homma | Extracting conformal data from frustrated classical spin model via tensor network renormalization algorithm |