

Efstratios Manousakis

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,227
citations

393982

19
h-index

264894

42
g-index

49
all docs

49
docs citations

49
times ranked

1775
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The spin- $\frac{1}{2}$ Heisenberg antiferromagnet on a square lattice and its application to the cuprous oxides. Reviews of Modern Physics, 1991, 63, 1-62. | 16.4 | 1,136 |
| 2 | Dynamical properties of a hole in a Heisenberg antiferromagnet. Physical Review B, 1992, 45, 2425-2437. | 1.1 | 244 |
| 3 | Nematic Phase of the Two-Dimensional Electron Gas in a Magnetic Field. Physical Review Letters, 2000, 84, 1982-1985. | 2.9 | 116 |
| 4 | Spectral function of a hole in the t - J model. Physical Review B, 1991, 44, 2414-2417. | 1.1 | 83 |
| 5 | String excitations of a hole in a quantum antiferromagnet and photoelectron spectroscopy. Physical Review B, 2007, 75, . | 1.1 | 59 |
| 6 | Simulation of melting of two-dimensional Lennard-Jones solids. Physical Review B, 2011, 83, . | 1.1 | 43 |
| 7 | Quantum nematic as ground state of a two-dimensional electron gas in a magnetic field. Physical Review B, 2007, 75, . | 1.1 | 38 |
| 8 | Photovoltaic effect for narrow-gap Mott insulators. Physical Review B, 2010, 82, . | 1.1 | 38 |
| 9 | Green's-function Monte Carlo study of the t - J model. Physical Review B, 1992, 46, 560-563. | 1.1 | 37 |
| 10 | Quasihole excitation in a quantum antiferromagnet: Variational Monte Carlo calculation. Physical Review B, 1991, 43, 10353-10363. | 1.1 | 31 |

11

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Convergence of quasiparticle self-consistent G W d w of transition-metal monoxides. Physical Review B, 2015, 91, . | | |
| 20 | An Optoelectronic Switch Based on Intrinsic Dual Schottky Diodes in Ambipolar MoSe_2 Field-Effect Transistors. Advanced Electronic Materials, 2015, 1, 1500215. | 2.6 | 18 |
| 21 | Real-space renormalization-group studies of low-dimensional quantum antiferromagnets. Physical Review B, 1993, 48, 1028-1035. | 1.1 | 16 |
| 22 | Importance of electron correlations in understanding photoelectron spectroscopy and Weyl character of MoTe_2 . Physical Review B, 2019, 99, . | 1.1 | 16 |
| 23 | Boundary effects in superfluid films. Journal of Low Temperature Physics, 1997, 109, 733-762. | 0.6 | 14 |
| 24 | Evidence for impact ionization in vanadium dioxide. Physical Review B, 2016, 94, . | 1.1 | 12 |
| 25 | Imaginary-Time Time-Dependent Density Functional Theory and Its Application for Robust Convergence of Electronic States. Journal of Chemical Theory and Computation, 2019, 15, 6036-6045. | 2.3 | 12 |
| 26 | Finite-temperature spectral function of a hole in a quantum antiferromagnet and the role of phonons. Physical Review B, 2008, 78, . | 1.1 | 8 |
| 27 | Optimizing the role of impact ionization in conventional insulators. Scientific Reports, 2019, 9, 20395. | 1.6 | 8 |
| 28 | Dynamics of string-like states of a hole in a quantum antiferromagnet: a diagrammatic Monte Carlo simulation. New Journal of Physics, 2021, 23, 123005. | 1.2 | 8 |
| 29 | Hole spectral functions in lightly doped quantum antiferromagnets. Physical Review B, 2011, 84, . | 1.1 | 7 |
| 30 | Nonlinear \tilde{f} model and static holes. Physical Review B, 1991, 43, 2615-2624. | 1.1 | 6 |
| 31 | Numerically exact study of Weyl superconductivity. Physical Review B, 2019, 100, . | 1.1 | 6 |
| 32 | Flat histogram diagrammatic Monte Carlo method: Calculation of the Green's function in imaginary time. Physical Review E, 2013, 88, 043302. | 0.8 | 5 |
| 33 | Structure and ferromagnetic instability of the oxygen-deficient SrTiO_3 . Physical Review B, 2016, 94, . | | |
| 34 | Effects of stuffing on the atomic and electronic structure of the pyrochlore $\text{Yb}_2\text{Ti}_2\text{O}_7$. Physical Review B, 2018, 97, . | 1.1 | 5 |
| 35 | Variational Monte Carlo calculation of the nematic state of the two-dimensional electron gas in a magnetic field. Physical Review B, 2008, 78, . | 1.1 | 4 |
| 36 | Interface between Sr_2RuO_4 and Ru-metal inclusion: Implications for its superconductivity. Physical Review B, 2017, 96, . | 1.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Density functional theory beyond the Born-Oppenheimer approximation: Accurate treatment of the ionic zero-point motion. Physical Review B, 2018, 98, . | 1.1 | 4 |
| 38 | Weyl nodal-ring semimetallic behavior and topological superconductivity in crystalline forms of Su-Schrieffer-Heeger chains. Physical Review B, 2021, 104, . | 1.1 | 4 |
| 39 | MONOLAYER CHARGED QUANTUM FILMS: A QUANTUM SIMULATION STUDY. International Journal of Modern Physics B, 2006, 20, 2667-2676. | 1.0 | 3 |
| 40 | Imaginary-time time-dependent density functional theory for periodic systems. Journal of Physics Condensed Matter, 2021, 33, 055903. | 0.7 | 2 |
| 41 | Gradient-descent optimization of fermion nodes in the diffusion Monte Carlo technique. Physical Review A, 2022, 105, . | 1.0 | 1 |
| 42 | On the origin of matter-antimatter asymmetry in the Universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137049. | 1.5 | 1 |
| 43 | Boundary Effects in Superfluid Films. Journal of Low Temperature Physics, 1997, 109, 733-762. | 0.6 | 0 |
| 44 | Quantum simulation of $\langle H \rangle$ and of $\langle e \rangle$ impurities and of $\langle H \rangle$ | 1.1 | 0 |
| 45 | When perceptual time stands still: Long percept-memory in binocular rivalry. BioSystems, 2012, 109, 115-125. | 0.9 | 0 |
| 46 | Optoelectronic Switches: An Optoelectronic Switch Based on Intrinsic Dual Schottky Diodes in Ambipolar MoSe_2 Field-Effect Transistors (Adv. Electron. Mater. 11/2015). Advanced Electronic Materials, 2015, 1, . | 2.6 | 0 |
| 47 | Linked cluster expansion of the many-body path integral. Physical Review B, 2019, 100, . | 1.1 | 0 |
| 48 | Topological phase transition at the interface of a topological with a conventional insulator. Journal of Physics Condensed Matter, 2020, 32, 235001. | 0.7 | 0 |
| 49 | MONOLAYER CHARGED QUANTUM FILMS: A QUANTUM SIMULATION STUDY. , 2006, , . | | 0 |