

# Efstratios Manousakis

## List of Publications by Year in descending order

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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	Gradient-descent optimization of fermion nodes in the diffusion Monte Carlo technique. Physical Review A, 2022, 105, .	1.0	1
2	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
3	Weyl nodal-ring semimetallic behavior and topological superconductivity in crystalline forms of Su-Schrieffer-Heeger chains. Physical Review B, 2021, 104, .	1.1	4
4	Imaginary-time time-dependent density functional theory for periodic systems. Journal of Physics Condensed Matter, 2021, 33, 055903.	0.7	2
5	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
6	Topological phase transition at the interface of a topological with a conventional insulator. Journal of Physics Condensed Matter, 2020, 32, 235001.	0.7	0
7	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
8	Numerically exact study of Weyl superconductivity. Physical Review B, 2019, 100, .	1.1	6
9	Optimizing the role of impact ionization in conventional insulators. Scientific Reports, 2019, 9, 20395.	1.6	8
10	Linked cluster expansion of the many-body path integral. Physical Review B, 2019, 100, .	1.1	0
11	Importance of electron correlations in understanding photoelectron spectroscopy and Weyl character of $\text{MoTe}_2$ . Physical Review B, 2019, 99, .	1.1	16
12	Density functional theory beyond the Born-Oppenheimer approximation: Accurate treatment of the ionic zero-point motion. Physical Review B, 2018, 98, .	1.1	4
13	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
14	Interface between $\text{Sr}_2\text{RuO}_4$ and Ru-metal inclusion: Implications for its superconductivity. Physical Review B, 2017, 96, .	1.1	4
15	Structure and ferromagnetic instability of the oxygen-deficient $\text{SrTiO}_3$ . Physical Review B, 2016, 94, .		
16	Evidence for impact ionization in vanadium dioxide. Physical Review B, 2016, 94, .	1.1	12
17	An Optoelectronic Switch Based on Intrinsic Dual Schottky Diodes in Ambipolar $\text{MoSe}_2$ Field-Effect Transistors. Advanced Electronic Materials, 2015, 1, 1500215.	2.6	18
18	Optoelectronic Switches: An Optoelectronic Switch Based on Intrinsic Dual Schottky Diodes in Ambipolar $\text{MoSe}_2$ Field-Effect Transistors (Adv. Electron. Mater. 11/2015). Advanced Electronic Materials, 2015, 1, .	2.6	0

#	ARTICLE	IF	CITATIONS
19	Convergence of quasiparticle self-consistent $G$ - $W$ of transition-metal monoxides. Physical Review B, 2015, 91, .		
20	Optoelectronic excitations and photovoltaic effect in strongly correlated materials. Physical Review B, 2014, 90, .	1.1	26
21	Limitations of the hybrid functional approach to electronic structure of transition metal oxides. Physical Review B, 2013, 88, .	1.1	24
22	Flat histogram diagrammatic Monte Carlo method: Calculation of the Green's function in imaginary time. Physical Review E, 2013, 88, 043302.	0.8	5
23	When perceptual time stands still: Long percept-memory in binocular rivalry. BioSystems, 2012, 109, 115-125.	0.9	0
24	Simulation of melting of two-dimensional Lennard-Jones solids. Physical Review B, 2011, 83, .	1.1	43
25	Hole spectral functions in lightly doped quantum antiferromagnets. Physical Review B, 2011, 84, .	1.1	7
26	Photovoltaic effect for narrow-gap Mott insulators. Physical Review B, 2010, 82, .	1.1	38
27	Quantum simulation of $H^3$ and of $H^2$ impurities	1.1	0
28	Quantum formalism to describe binocular rivalry. BioSystems, 2009, 98, 57-66.	0.9	30
29	Finite-temperature spectral function of a hole in a quantum antiferromagnet and the role of phonons. Physical Review B, 2008, 78, .	1.1	8
30	Effective Hamiltonian for FeAs-based superconductors. Physical Review B, 2008, 78, .	1.1	27
31	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
32	String excitations of a hole in a quantum antiferromagnet and photoelectron spectroscopy. Physical Review B, 2007, 75, .	1.1	59
33	Quantum nematic as ground state of a two-dimensional electron gas in a magnetic field. Physical Review B, 2007, 75, .	1.1	38
34	Founding Quantum Theory on the Basis of Consciousness. Foundations of Physics, 2006, 36, 795-838.	0.6	23
35	MONOLAYER CHARGED QUANTUM FILMS: A QUANTUM SIMULATION STUDY. International Journal of Modern Physics B, 2006, 20, 2667-2676.	1.0	3
36	MONOLAYER CHARGED QUANTUM FILMS: A QUANTUM SIMULATION STUDY. , 2006, , .		0

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37	Nematic Phase of the Two-Dimensional Electron Gas in a Magnetic Field. Physical Review Letters, 2000, 84, 1982-1985.	2.9	116
38	Boundary Effects in Superfluid Films. Journal of Low Temperature Physics, 1997, 109, 733-762.	0.6	0
39	Boundary effects in superfluid films. Journal of Low Temperature Physics, 1997, 109, 733-762.	0.6	14
40	Loop-expansion study of the single-hole spectral function in the $t$ - $J$ model. Physical Review B, 1995, 51, 3156-3162.	1.1	22
41	Real-space renormalization-group studies of low-dimensional quantum antiferromagnets. Physical Review B, 1993, 48, 1028-1035.	1.1	16
42	Green's-function Monte Carlo study of the $t$ - $J$ model. Physical Review B, 1992, 46, 560-563.	1.1	37
43	Variational description of a quasihole excitation in a quantum antiferromagnet. Physical Review B, 1992, 45, 4877-4884.	1.1	29
44	Dynamical properties of a hole in a Heisenberg antiferromagnet. Physical Review B, 1992, 45, 2425-2437.	1.1	244
45	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
46	Nonlinear $\tilde{t}$ - $J$ model and static holes. Physical Review B, 1991, 43, 2615-2624.	1.1	6
47	Quasihole excitation in a quantum antiferromagnet: Variational Monte Carlo calculation. Physical Review B, 1991, 43, 10353-10363.	1.1	31
48	Spectral function of a hole in the $t$ - $J$ model. Physical Review B, 1991, 44, 2414-2417.	1.1	83
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