

# Saeed H Abedinpour

## List of Publications by Year in descending order

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28  
papers

407  
citations

933447

10  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drude weight, plasmon dispersion, and ac conductivity in doped graphene sheets. <i>Physical Review B</i> , 2011, 84, .	3.2	153
2	Optical conductivity of three and two dimensional topological nodal-line semimetals. <i>Physical Review B</i> , 2017, 96, .	3.2	34
3	Emergence of Wigner molecules in one-dimensional systems of repulsive fermions under harmonic confinement. <i>Physical Review A</i> , 2007, 75, .	2.5	28
4	Ground-state and dynamical properties of two-dimensional dipolar Fermi liquids. <i>Annals of Physics</i> , 2014, 340, 25-36.	2.8	24
5	Anisotropic RKKY interaction in spin-polarized graphene. <i>Physical Review B</i> , 2013, 87, .	3.2	23
6	Theory of the Pseudospin Resonance in Semiconductor Bilayers. <i>Physical Review Letters</i> , 2007, 99, 206802.	7.8	17
7	Gauge-invariant formulation of spin-current density-functional theory. <i>Physical Review B</i> , 2010, 81, .	3.2	14
8	Anisotropic conductivity in magnetic topological insulators. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 115301.	1.8	12
9	Density-functional theory of inhomogeneous electron systems in thin quantum wires. <i>European Physical Journal B</i> , 2007, 56, 127-134.	1.5	11
10	Theory of correlations in strongly interacting fluids of two-dimensional dipolar bosons. <i>Physical Review A</i> , 2012, 86, .	2.5	11
11	Rotons and Bose condensation in Rydberg-dressed Bose gases. <i>Physical Review A</i> , 2020, 101, .	2.5	10
12	Phase diagram and dynamics of Rydberg-dressed fermions in two dimensions. <i>Physical Review A</i> , 2017, 96, .	2.5	9
13	Relaxation times and charge conductivity of silicene. <i>Physical Review B</i> , 2016, 94, .	3.2	8
14	Density functional theory investigation of two-dimensional dipolar fermions in a harmonic trap. <i>Journal of Physics: Conference Series</i> , 2014, 568, 012020.	0.4	7
15	Thermoelectric response of nodal-line semimetals: Probing the Fermi surface topology. <i>Physical Review B</i> , 2020, 102, .	3.2	7
16	Boltzmann conductivity of ferromagnetic graphene with magnetic impurities. <i>Physical Review B</i> , 2013, 88, .	3.2	6
17	Density-wave instability and collective modes in a bilayer system of antiparallel dipoles. <i>Journal of Physics Communications</i> , 2018, 2, 015018.	1.2	5
18	Phase behaviors of strongly correlated Fermi gases in one-dimensional confinements. <i>Laser Physics</i> , 2007, 17, 162-168.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Superfluidity in density imbalanced bilayers of dipolar fermions. <i>Physical Review B</i> , 2017, 96, .	3.2	4
20	Composite quasiparticles in strongly correlated dipolar Fermi liquids. <i>Physical Review A</i> , 2018, 98, .	2.5	4
21	Analytic theory of pair distribution functions in symmetric electron-electron and electron-hole bilayers. <i>Solid State Communications</i> , 2007, 144, 65-69.	1.9	3
22	Effective Mass Calculations for Two-dimensional Gas of Dipolar Fermions. <i>Journal of Low Temperature Physics</i> , 2017, 187, 705-711.	1.4	3
23	Coupled spin-charge dynamics in helical Fermi liquids beyond the random phase approximation. <i>Physical Review B</i> , 2017, 96, .	3.2	2
24	Interplay of interlayer pairing and many-body screening in a bilayer of dipolar fermions. <i>Physical Review B</i> , 2018, 98, .	3.2	2
25	Counterflow in Bose gas bilayers: Collective modes and dissipationless drag. <i>Low Temperature Physics</i> , 2020, 46, 480-484.	0.6	2
26	Rydberg-dressed Fermi liquid: Correlations and signatures of droplet crystallization. <i>Physical Review A</i> , 2021, 103, .	2.5	2
27	Exchange-Correlation Effects and the Quasiparticle Properties in a Two-Dimensional Dipolar Fermi Liquid. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 2369-2374.	1.8	1
28	Dynamical density response and collective modes of topological-insulator ultrathin films. <i>Physical Review B</i> , 2020, 101, .	3.2	1