

Meera M Parish

List of Publications by Year in descending order

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61
papers

3,483
citations

172457

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62
times ranked

2703
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of fermion indistinguishability on optical absorption of doped two-dimensional semiconductors. <i>Physical Review B</i> , 2022, 105, .	3.2	7
2	Signatures of Quantum Chaos in an Out-of-Time-Order Tensor. <i>Physical Review Letters</i> , 2022, 128, 150601.	7.8	7
3	Repulsive Fermi and Bose Polarons in Quantum Gases. <i>Atoms</i> , 2022, 10, 55.	1.6	25
4	Bogoliubov excitations of a polariton condensate in dynamical equilibrium with an incoherent reservoir. <i>Physical Review B</i> , 2022, 105, .	3.2	8
5	Excitons in a new light. <i>Nature Physics</i> , 2021, 17, 16-17.	16.7	2
6	Electron-exciton interactions in the exciton-polaron problem. <i>Physical Review B</i> , 2021, 103, .	3.2	45
7	Thermodynamic signatures of the polaron-molecule transition in a Fermi gas. <i>Physical Review A</i> , 2021, 103, .	2.5	12
8	Enhanced Scattering between Electrons and Exciton-Polaritons in a Microcavity. <i>Physical Review Letters</i> , 2021, 126, 197401.	7.8	10
9	Theory of polariton-electron interactions in semiconductor microcavities. <i>Physical Review B</i> , 2021, 103, .	3.2	9
10	Quantum Behavior of a Heavy Impurity Strongly Coupled to a Bose Gas. <i>Physical Review Letters</i> , 2021, 127, 033401.	7.8	22
11	Interplay between polarization and quantum correlations of confined polaritons. <i>Physical Review B</i> , 2021, 104, .	3.2	4
12	Signatures of the orthogonality catastrophe in a coherently driven impurity. <i>Physical Review A</i> , 2021, 104, .	2.5	3
13	Microscopic calculation of polariton scattering in semiconductor microcavities. <i>Physical Review B</i> , 2021, 104, .	3.2	5
14	Quasiparticle Lifetime of the Repulsive Fermi Polaron. <i>Physical Review Letters</i> , 2020, 125, 133401.	7.8	30
15	Radio-Frequency Response and Contact of Impurities in a Quantum Gas. <i>Physical Review Letters</i> , 2020, 125, 065301.	7.8	14
16	Theory of radio-frequency spectroscopy of impurities in quantum gases. <i>Physical Review A</i> , 2020, 102, .	2.5	24
17	Frustrated orbital Feshbach resonances in a Fermi gas. <i>Physical Review A</i> , 2020, 101, .	2.5	4
18	Observation of quantum depletion in a non-equilibrium exciton-polariton condensate. <i>Nature Communications</i> , 2020, 11, 429.	12.8	44

#	ARTICLE	IF	CITATIONS
19	Fate of the Bose polaron at finite temperature. Physical Review A, 2020, 101, .	2.5	24
20	Extremely imbalanced two-dimensional electron-hole-photon systems. Physical Review Research, 2020, 2, .	3.6	11
21	Polariton interactions in microcavities with atomically thin semiconductor layers. Physical Review Research, 2020, 2, .	3.6	26
22	Direct measurement of polariton-polariton interaction strength in the Thomas-Fermi regime of exciton-polariton condensation. Physical Review B, 2019, 100, .	3.2	65
23	Variational Approach for Impurity Dynamics at Finite Temperature. Physical Review Letters, 2019, 122, 205301.	7.8	38
24	Observation of Coherent Multiorbital Polarons in a Two-Dimensional Fermi Gas. Physical Review Letters, 2019, 122, 193604.	7.8	49
25	Early-time dynamics of Bose gases quenched into the strongly interacting regime. Physical Review A, 2019, 99, .	2.5	11
26	Spectroscopic Signatures of Quantum Many-Body Correlations in Polariton Microcavities. Physical Review Letters, 2019, 123, 266401.	7.8	16
27	Microscopic description of exciton-polaritons in microcavities. Physical Review Research, 2019, 1, .	3.6	32
28	Spin-chain model of a many-body quantum battery. Physical Review A, 2018, 97, .	2.5	136
29	Universality of an Impurity in a Bose-Einstein Condensate. Physical Review X, 2018, 8, .	8.9	62
30	Few-body states of bosons interacting with a heavy quantum impurity. Physical Review A, 2018, 98, .	2.5	8
31	Impurity-Induced Multibody Resonances in a Bose Gas. Physical Review Letters, 2018, 121, 243401.	7.8	16
32	Long-lived trimers in a quasi-two-dimensional Fermi system. Physical Review A, 2018, 97, .	2.5	2
33	SU(N) Tj \rightarrow 1 0.784314 rg	2.5	19
34	Finite-temperature behavior of the Bose polaron. Physical Review A, 2017, 96, .	2.5	38
35	Three-body correlations in a two-dimensional SU(3) Fermi gas. Physical Review A, 2017, 96, .	2.5	15
36	Equivalence of effective medium and random resistor network models for disorder-induced unsaturating linear magnetoresistance. Physical Review B, 2017, 96, .	3.2	22

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37	Ultrafast many-body interferometry of impurities coupled to a Fermi sea. <i>Science</i> , 2016, 354, 96-99.	12.6	252
38	Observation of Attractive and Repulsive Polarons in a Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2016, 117, 055302.	7.8	325
39	Quantum dynamics of impurities coupled to a Fermi sea. <i>Physical Review B</i> , 2016, 94, .	3.2	50
40	Impurity in a Bose-Einstein Condensate and the Efimov Effect. <i>Physical Review Letters</i> , 2015, 115, 125302.	7.8	144
41	Magnetism in Strongly Interacting One-Dimensional Quantum Mixtures. <i>Physical Review Letters</i> , 2015, 115, 247202.	7.8	40
42	Observation of an Orbital Interaction-Induced Feshbach Resonance in $\langle \langle Y_b \rangle \rangle$	7.8	136
43	Strong-coupling ansatz for the one-dimensional Fermi gas in a harmonic potential. <i>Science Advances</i> , 2015, 1, e1500197.	10.3	81
44	STRONGLY INTERACTING TWO-DIMENSIONAL FERMI GASES. <i>Annual Review of Cold Atoms and Molecules</i> , 2015, , 1-75.	2.8	81
45	Universal Equation of State and Pseudogap in the Two-Dimensional Fermi Gas. <i>Physical Review Letters</i> , 2014, 112, 135302.	7.8	74
46	Pair Correlations in the Two-Dimensional Fermi Gas. <i>Physical Review Letters</i> , 2013, 111, 265301.	7.8	49
47	Three-body problem in a two-dimensional Fermi gas. <i>Europhysics Letters</i> , 2013, 102, 13001.	2.0	22
48	Highly polarized Fermi gases in two dimensions. <i>Physical Review A</i> , 2013, 87, .	2.5	73
49	Bound States in a Quasi-Two-Dimensional Fermi Gas. <i>Physical Review Letters</i> , 2013, 110, 055304.	7.8	29
50	Density Instabilities in a Two-Dimensional Dipolar Fermi Gas. <i>Physical Review Letters</i> , 2012, 108, 145304.	7.8	57
51	Repulsive polarons in two-dimensional Fermi gases. <i>Europhysics Letters</i> , 2012, 98, 30005.	2.0	44
52	Dipolar Gases in Coupled One-Dimensional Lattices. <i>Physical Review Letters</i> , 2012, 108, 255302.	7.8	14
53	Polaron-molecule transitions in a two-dimensional Fermi gas. <i>Physical Review A</i> , 2011, 83, .	2.5	75
54	Trimers, Molecules, and Polarons in Mass-Imbalanced Atomic Fermi Gases. <i>Physical Review Letters</i> , 2011, 106, 166404.	7.8	90

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55	Supersolidity in electron-hole bilayers with a large density imbalance. Europhysics Letters, 2011, 95, 27007.	2.0	18
56	Stability and Pairing in Quasi-One-Dimensional Bose-Fermi Mixtures. Physical Review Letters, 2009, 103, 105304.	7.8	15
57	Magnetocapacitance in Nonmagnetic Composite Media. Physical Review Letters, 2008, 101, 166602.	7.8	60
58	Polarized Fermi Condensates with Unequal Masses: Tuning the Tricritical Point. Physical Review Letters, 2007, 98, 160402.	7.8	70
59	Quasi-One-Dimensional Polarized Fermi Superfluids. Physical Review Letters, 2007, 99, 250403.	7.8	123
60	Finite-temperature phase diagram of a polarized Fermi condensate. Nature Physics, 2007, 3, 124-128.	16.7	180
61	Non-saturating magnetoresistance in heavily disordered semiconductors. Nature, 2003, 426, 162-165.	27.8	516