

Meera M Parish

List of Publications by Year in descending order

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61
papers

3,483
citations

172457

29
h-index

133252

59
g-index

62
all docs

62
docs citations

62
times ranked

2703
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-saturating magnetoresistance in heavily disordered semiconductors. Nature, 2003, 426, 162-165.	27.8	516
2	Observation of Attractive and Repulsive Polarons in a Bose-Einstein Condensate. Physical Review Letters, 2016, 117, 055302.	7.8	325
3	Ultrafast many-body interferometry of impurities coupled to a Fermi sea. Science, 2016, 354, 96-99.	12.6	252
4	Finite-temperature phase diagram of a polarized Fermi condensate. Nature Physics, 2007, 3, 124-128.	16.7	180
5	Impurity in a Bose-Einstein Condensate and the Efimov Effect. Physical Review Letters, 2015, 115, 125302.	7.8	144
6	Observation of an Orbital Interaction-Induced Feshbach Resonance in ^{87}Rb . Physical Review Letters, 2015, 115, 265302.	7.8	136
7	Spin-chain model of a many-body quantum battery. Physical Review A, 2018, 97, .	2.5	136
8	Quasi-One-Dimensional Polarized Fermi Superfluids. Physical Review Letters, 2007, 99, 250403.	7.8	123
9	Trimers, Molecules, and Polarons in Mass-Imbalanced Atomic Fermi Gases. Physical Review Letters, 2011, 106, 166404.	7.8	90
10	Strong-coupling ansatz for the one-dimensional Fermi gas in a harmonic potential. Science Advances, 2015, 1, e1500197.	10.3	81
11	STRONGLY INTERACTING TWO-DIMENSIONAL FERMI GASES. Annual Review of Cold Atoms and Molecules, 2015, , 1-75.	2.8	81
12	Polaron-molecule transitions in a two-dimensional Fermi gas. Physical Review A, 2011, 83, .	2.5	75
13	Universal Equation of State and Pseudogap in the Two-Dimensional Fermi Gas. Physical Review Letters, 2014, 112, 135302.	7.8	74
14	Highly polarized Fermi gases in two dimensions. Physical Review A, 2013, 87, .	2.5	73
15	Polarized Fermi Condensates with Unequal Masses: Tuning the Tricritical Point. Physical Review Letters, 2007, 98, 160402.	7.8	70
16	Direct measurement of polariton-polariton interaction strength in the Thomas-Fermi regime of exciton-polariton condensation. Physical Review B, 2019, 100, .	3.2	65
17	Universality of an Impurity in a Bose-Einstein Condensate. Physical Review X, 2018, 8, .	8.9	62
18	Magnetocapacitance in Nonmagnetic Composite Media. Physical Review Letters, 2008, 101, 166602.	7.8	60

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19	Density Instabilities in a Two-Dimensional Dipolar Fermi Gas. <i>Physical Review Letters</i> , 2012, 108, 145304.	7.8	57
20	Quantum dynamics of impurities coupled to a Fermi sea. <i>Physical Review B</i> , 2016, 94, .	3.2	50
21	Pair Correlations in the Two-Dimensional Fermi Gas. <i>Physical Review Letters</i> , 2013, 111, 265301.	7.8	49
22	Observation of Coherent Multiorbital Polarons in a Two-Dimensional Fermi Gas. <i>Physical Review Letters</i> , 2019, 122, 193604.	7.8	49
23	Electron-exciton interactions in the exciton-polaron problem. <i>Physical Review B</i> , 2021, 103, .	3.2	45
24	Repulsive polarons in two-dimensional Fermi gases. <i>Europhysics Letters</i> , 2012, 98, 30005.	2.0	44
25	Observation of quantum depletion in a non-equilibrium exciton-polariton condensate. <i>Nature Communications</i> , 2020, 11, 429.	12.8	44
26	Magnetism in Strongly Interacting One-Dimensional Quantum Mixtures. <i>Physical Review Letters</i> , 2015, 115, 247202.	7.8	40
27	Finite-temperature behavior of the Bose polaron. <i>Physical Review A</i> , 2017, 96, .	2.5	38
28	Variational Approach for Impurity Dynamics at Finite Temperature. <i>Physical Review Letters</i> , 2019, 122, 205301.	7.8	38
29	Microscopic description of exciton-polaritons in microcavities. <i>Physical Review Research</i> , 2019, 1, .	3.6	32
30	Quasiparticle Lifetime of the Repulsive Fermi Polaron. <i>Physical Review Letters</i> , 2020, 125, 133401.	7.8	30
31	Bound States in a Quasi-Two-Dimensional Fermi Gas. <i>Physical Review Letters</i> , 2013, 110, 055304.	7.8	29
32	Polariton interactions in microcavities with atomically thin semiconductor layers. <i>Physical Review Research</i> , 2020, 2, .	3.6	26
33	Repulsive Fermi and Bose Polarons in Quantum Gases. <i>Atoms</i> , 2022, 10, 55.	1.6	25
34	Theory of radio-frequency spectroscopy of impurities in quantum gases. <i>Physical Review A</i> , 2020, 102, .	2.5	24
35	Fate of the Bose polaron at finite temperature. <i>Physical Review A</i> , 2020, 101, .	2.5	24
36	Three-body problem in a two-dimensional Fermi gas. <i>Europhysics Letters</i> , 2013, 102, 13001.	2.0	22

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37	Equivalence of effective medium and random resistor network models for disorder-induced unsaturating linear magnetoresistance. <i>Physical Review B</i> , 2017, 96, .	3.2	22
38	Quantum Behavior of a Heavy Impurity Strongly Coupled to a Bose Gas. <i>Physical Review Letters</i> , 2021, 127, 033401.	7.8	22
39	SU($\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \rangle$ Tj ETQg1 1 0.784314 rgB 2.5 19	2.5	19
40	Supersolidity in electron-hole bilayers with a large density imbalance. <i>Europhysics Letters</i> , 2011, 95, 27007.	2.0	18
41	Impurity-Induced Multibody Resonances in a Bose Gas. <i>Physical Review Letters</i> , 2018, 121, 243401.	7.8	16
42	Spectroscopic Signatures of Quantum Many-Body Correlations in Polariton Microcavities. <i>Physical Review Letters</i> , 2019, 123, 266401.	7.8	16
43	Stability and Pairing in Quasi-One-Dimensional Bose-Fermi Mixtures. <i>Physical Review Letters</i> , 2009, 103, 105304.	7.8	15
44	Three-body correlations in a two-dimensional SU(3) Fermi gas. <i>Physical Review A</i> , 2017, 96, .	2.5	15
45	Dipolar Gases in Coupled One-Dimensional Lattices. <i>Physical Review Letters</i> , 2012, 108, 255302.	7.8	14
46	Radio-Frequency Response and Contact of Impurities in a Quantum Gas. <i>Physical Review Letters</i> , 2020, 125, 065301.	7.8	14
47	Thermodynamic signatures of the polaron-molecule transition in a Fermi gas. <i>Physical Review A</i> , 2021, 103, .	2.5	12
48	Early-time dynamics of Bose gases quenched into the strongly interacting regime. <i>Physical Review A</i> , 2019, 99, .	2.5	11
49	Extremely imbalanced two-dimensional electron-hole-photon systems. <i>Physical Review Research</i> , 2020, 2, .	3.6	11
50	Enhanced Scattering between Electrons and Exciton-Polaritons in a Microcavity. <i>Physical Review Letters</i> , 2021, 126, 197401.	7.8	10
51	Theory of polariton-electron interactions in semiconductor microcavities. <i>Physical Review B</i> , 2021, 103, .	3.2	9
52	Few-body states of bosons interacting with a heavy quantum impurity. <i>Physical Review A</i> , 2018, 98, .	2.5	8
53	Bogoliubov excitations of a polariton condensate in dynamical equilibrium with an incoherent reservoir. <i>Physical Review B</i> , 2022, 105, .	3.2	8
54	Effect of fermion indistinguishability on optical absorption of doped two-dimensional semiconductors. <i>Physical Review B</i> , 2022, 105, .	3.2	7

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55	Signatures of Quantum Chaos in an Out-of-Time-Order Tensor. Physical Review Letters, 2022, 128, 150601.	7.8	7
56	Microscopic calculation of polariton scattering in semiconductor microcavities. Physical Review B, 2021, 104, .	3.2	5
57	Frustrated orbital Feshbach resonances in a Fermi gas. Physical Review A, 2020, 101, .	2.5	4
58	Interplay between polarization and quantum correlations of confined polaritons. Physical Review B, 2021, 104, .	3.2	4
59	Signatures of the orthogonality catastrophe in a coherently driven impurity. Physical Review A, 2021, 104, .	2.5	3
60	Long-lived trimers in a quasi-two-dimensional Fermi system. Physical Review A, 2018, 97, .	2.5	2
61	Excitons in a new light. Nature Physics, 2021, 17, 16-17.	16.7	2