

# H R Krishnamurthy

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

963  
citations

471509

17  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic and causal corrections to the coherent potential approximation. Physical Review B, 2001, 63, .	3.2	127
2	Can Correlations Drive a Band Insulator Metallic?. Physical Review Letters, 2006, 97, 046403.	7.8	107
3	Mott-Hubbard metal-insulator transition in nonbipartite lattices. Physical Review Letters, 1990, 64, 950-953.	7.8	102
4	Reentrant Melting in Laser Field Modulated Colloidal Suspensions. Physical Review Letters, 1995, 75, 2232-2235.	7.8	83
5	Phonons in few-layer graphene and interplanar interaction: A first-principles study. Physical Review B, 2008, 78, .	3.2	64
6	BCS-BEC crossover at $T=0$ : A dynamical mean-field theory approach. Physical Review B, 2005, 72, .	3.2	63
7	Seebeck Coefficient of a Single van der Waals Junction in Twisted Bilayer Graphene. Nano Letters, 2017, 17, 6822-6827.	9.1	54
8	Mechanisms of molecular doping of graphene: A first-principles study. Physical Review B, 2009, 80, .	3.2	40
9	Doping and Field-Induced Insulator-Metal Transitions in Half-Doped Manganites. Physical Review Letters, 2005, 94, .	7.8	30
10	Two-channel Kondo physics in odd impurity chains. Physical Review B, 2011, 84, .	3.2	29
11	THE EXOTIC BARIUM BISMUTHATES. International Journal of Modern Physics B, 1996, 10, 863-955.	2.0	27
12	Theoretical description of time-resolved pump/probe photoemission in $TaS_2$ : a single-band DFT+DMFT(NRG) study within the quasiequilibrium approximation. Physica Status Solidi (B): Basic Research, 2009, 246, 948-954.	1.5	26
13	Doping a Correlated Band Insulator: A New Route to Half-Metallic Behavior. Physical Review Letters, 2014, 112, 106406.	7.8	24
14	Spectral properties in the charge-density-wave phase of the half-filled Falicov-Kimball model. Physical Review B, 2007, 76, .	3.2	23
15	Instabilities and insulator-metal transitions in half-doped manganites induced by magnetic-field and doping. Physical Review B, 2006, 73, .	3.2	18
16	Probing zone-boundary optical phonons in doped graphene. Physical Review B, 2007, 76, .	3.2	18
17	Phase diagram of the half-filled ionic Hubbard model. Physical Review B, 2015, 91, .	3.2	18
18	Quantized edge modes in atomic-scale point contacts in graphene. Nature Nanotechnology, 2017, 12, 564-568.	31.5	18

#	ARTICLE	IF	CITATIONS
19	Hysteresis in model spin system. Journal of Applied Physics, 1990, 67, 5451-5453.	2.5	15
20	A new theory of doped manganites exhibiting colossal magnetoresistance. Pramana - Journal of Physics, 2005, 64, 1063-1074.	1.8	12
21	Breakdown of semiclassical description of thermoelectricity in near-magic angle twisted bilayer graphene. Nature Communications, 2022, 13, 1522.	12.8	12
22	Phase diagram of the half-filled ionic Hubbard model in the limit of strong correlations. Physical Review B, 2019, 99, .	3.2	10
23	Surprises in the $\langle t \rangle$ Model: Implications for Cuprates. Physical Review Letters, 2020, 124, 147002.	2.8	9
24	Constant Matrix Element Approximation to Time-Resolved Angle-Resolved Photoemission Spectroscopy. Photonics, 2016, 3, 58.	2.0	7
25	Simulation of inhomogeneous distributions of ultracold atoms in an optical lattice via a massively parallel implementation of nonequilibrium strong-coupling perturbation theory. Physical Review E, 2014, 89, 023306.	2.1	5
26	Spectral moment sum rules for the retarded Green's function and self-energy of the inhomogeneous Bose-Hubbard model in equilibrium and nonequilibrium. Physical Review A, 2013, 87, .	2.5	4
27	The role of average time dependence on the relaxation of excited electron populations in nonequilibrium many-body physics. Fortschritte Der Physik, 2017, 65, 1600042.	4.4	4
28	Feshbach modulation spectroscopy of the Fermi-Hubbard model. Physical Review A, 2015, 92, .	2.5	3
29	Reversal of particle-hole scattering-rate asymmetry in the Anderson impurity model. Physical Review B, 2018, 98, .	3.2	3
30	Novel effects of localization due to intrinsic disorder in manganites. European Physical Journal B, 2011, 81, 393-398.	1.5	2
31	Optical conductivity of perovskite manganites. Physical Review B, 2011, 84, .	3.2	2
32	Correlation driven metallic and half-metallic phases in a band insulator. Physical Review B, 2021, 103, .	3.2	2
33	Colossal magnetoresistance manganites: A new approach. Journal of Chemical Sciences, 2003, 115, 767-774.	1.5	1
34	Efficiently Generalizing Ultra-Cold Atomic Simulations via Inhomogeneous Dynamical Mean-Field Theory from Two- to Three-Dimensions. , 2010, , .		1
35	Bethe's contributions to solid state theory: A tribute. Resonance, 2005, 10, 55-69.	0.3	0
36	Infinite single-particle bandwidth of a Mott-Hubbard insulator. International Journal of Modern Physics B, 2016, 30, 1642001.	2.0	0