H R Krishnamurthy

List of Publications by Year
in descending order

36	963	471509 17	434195 31
papers	citations	h-index	g-index

36	36	36	1017
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Breakdown of semiclassical description of thermoelectricity in near-magic angle twisted bilayer graphene. Nature Communications, 2022, 13, 1522.	12.8	12
2	Correlation driven metallic and half-metallic phases in a band insulator. Physical Review B, 2021, 103, .	3.2	2
3	Surprises in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>t</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>J</mml:mi></mml:mrow></mml:math> Model: Implications for Cuprates. Physical Review Letters, 2020, 124, 147002.	7.8	9
4	Phase diagram of the half-filled ionic Hubbard model in the limit of strong correlations. Physical Review B, 2019, 99, .	3.2	10
5	Reversal of particle-hole scattering-rate asymmetry in the Anderson impurity model. Physical Review B, 2018, 98, .	3.2	3
6	Quantized edge modes in atomic-scale point contacts in graphene. Nature Nanotechnology, 2017, 12, 564-568.	31.5	18
7	Seebeck Coefficient of a Single van der Waals Junction in Twisted Bilayer Graphene. Nano Letters, 2017, 17, 6822-6827.	9.1	54
8	The role of average time dependence on the relaxation of excited electron populations in nonequilibrium manyâ€body physics. Fortschritte Der Physik, 2017, 65, 1600042.	4.4	4
9	Constant Matrix Element Approximation to Time-Resolved Angle-Resolved Photoemission Spectroscopy. Photonics, 2016, 3, 58.	2.0	7
10	Infinite single-particle bandwidth of a Mottâ€“Hubbard insulator. International Journal of Modern Physics B, 2016, 30, 1642001.	2.0	0
11	Feshbach modulation spectroscopy of the Fermi-Hubbard model. Physical Review A, 2015, 92, .	2.5	3
12	Phase diagram of the half-filled ionic Hubbard model. Physical Review B, 2015, 91, .	3.2	18
13	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
14	Doping a Correlated Band Insulator: A New Route to Half-Metallic Behavior. Physical Review Letters, 2014, 112, 106406.	7.8	24
15	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
16	Novel effects of localization due to intrinsic disorder in manganites. European Physical Journal B, 2011, 81, 393-398.	1.5	2
17	Two-channel Kondo physics in odd impurity chains. Physical Review B, 2011, 84, .	3.2	29
18	Optical conductivity of perovskite manganites. Physical Review B, 2011, 84, .	3.2	2

#	Article	IF	Citations
19	Efficiently Generalizing Ultra-Cold Atomic Simulations via Inhomogeneous Dynamical Mean-Field Theory from Two- to Three-Dimensions. , 2010, , .		1
20	Theoretical description of timeâ€resolved pump/probe photoemission in TaS₂: a singleâ€band DFT+DMFT(NRG) study within the quasiequilibrium approximation. Physica Status Solidi (B): Basic Research, 2009, 246, 948-954.	1.5	26
21	Mechanisms of molecular doping of graphene: A first-principles study. Physical Review B, 2009, 80, .	3.2	40
22	Phonons in few-layer graphene and interplanar interaction: A first-principles study. Physical Review B, 2008, 78, .	3.2	64
23	Probing zone-boundary optical phonons in doped graphene. Physical Review B, 2007, 76, .	3.2	18
24	Spectral properties in the charge-density-wave phase of the half-filled Falicov-Kimball model. Physical Review B, 2007, 76, .	3.2	23
25	Can Correlations Drive a Band Insulator Metallic?. Physical Review Letters, 2006, 97, 046403.	7.8	107
26	Instabilities and insulator-metal transitions in half-doped manganites induced by magnetic-field and doping. Physical Review B, 2006, 73, .	3.2	18
27	A new theory of doped manganites exhibiting colossal magnetoresistance. Pramana - Journal of Physics, 2005, 64, 1063-1074.	1.8	12
28	Betheâ€™s contributions to solid state theory: A tribute. Resonance, 2005, 10, 55-69.	0.3	0
29	BCS-BEC crossover atT=0: A dynamical mean-field theory approach. Physical Review B, 2005, 72, .	3.2	63
30	Doping and Field-Induced Insulator-Metal Transitions in Half-Doped Manganites. Physical Review Letters, 2005, 94, .	7.8	30
31	Colossal magnetoresistance manganites: A new approach. Journal of Chemical Sciences, 2003, 115, 767-774.	1.5	1
32	Systematic and causal corrections to the coherent potential approximation. Physical Review B, 2001, 63, .	3.2	127
33	THE EXOTIC BARIUM BISMUTHATES. International Journal of Modern Physics B, 1996, 10, 863-955.	2.0	27
34	Reentrant Melting in Laser Field Modulated Colloidal Suspensions. Physical Review Letters, 1995, 75, 2232-2235.	7.8	83
35	Mott-Hubbard metal-insulator transition in nonbipartite lattices. Physical Review Letters, 1990, 64, 950-953.	7.8	102
36	Hysteresis in model spin system. Journal of Applied Physics, 1990, 67, 5451-5453.	2.5	15