

Herman J Fink

List of Publications by Year in descending order

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37
papers

1,026
citations

430843

18
h-index

414395

32
g-index

38
all docs

38
docs citations

38
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	High temperature superconductivity with repulsive pairing interactions. Physica C: Superconductivity and Its Applications, 2015, 517, 26-30.	1.2	0
2	Non-separable pairing interaction kernels applied to superconducting cuprates. Physica C: Superconductivity and Its Applications, 2014, 500, 44-55.	1.2	1
3	Boundary conditions, dimensionality, topology and size dependence of the superconducting transition temperature. Molecular Physics, 2005, 103, 2969-2978.	1.7	11
4	SURFACE INDUCED ANOMALOUS SUPERCONDUCTIVITY. International Journal of Modern Physics B, 2003, 17, 2171-2211.	2.0	4
5	Currents in a superconducting loop with a branch connected to a current-carrying infinite wire. Superconductor Science and Technology, 2000, 13, 1309-1314.	3.5	1
6	Internally orthogonal and tracking solutions of the Ginzburg-Landau and Schrödinger equations. Physical Review B, 2000, 61, 4353-4360.	3.2	3
7	Anisotropic microwave resistance of YBa ₂ Cu ₃ O _{6.95} and the modified two-fluid model. Physical Review B, 2000, 62, 3046-3049.	3.2	10
8	Microwave surface impedance of YBa ₂ Cu ₃ O _{6.99} : Comparison of theory and experiment. Physical Review B, 2000, 61, 6346-6351.	3.2	10
9	Integer quantum Hall effect model: Spatial confinement, magnetic flux oscillation, and instability. Physical Review B, 1999, 60, 8225-8233.	3.2	4
10	Residual and intrinsic surface resistance of YBa ₂ Cu ₃ O _{7-δ} . Physical Review B, 1998, 58, 9415-9420.	3.2	21
11	Supercurrents through SNS proximity-induced junctions. Physical Review B, 1997, 56, 2732-2737.	3.2	3
12	Quantized levitation by multiply-connected superconductors. European Physical Journal D, 1996, 46, 2331-2332.	0.4	0
13	Magnetic levitation, suspension, and superconductivity: Macroscopic and mesoscopic. Physical Review B, 1996, 53, 3506-3515.	3.2	7
14	Quantized levitation states of superconducting multiple-ring systems. Physical Review B, 1996, 53, 3497-3505.	3.2	6
15	Superconducting vortex with extended core. Physical Review B, 1992, 45, 4799-4802.	3.2	5
16	Critical transport currents of the superconducting ladder. Physical Review Letters, 1991, 66, 216-219.	7.8	14
17	Superconducting microneeds: A state-variable approach. Physical Review B, 1991, 43, 10151-10163.	3.2	9
18	New critical current-flux boundary of a superconducting microladder. Physica B: Condensed Matter, 1990, 165-166, 1113-1114.	2.7	0

#	ARTICLE	IF	CITATIONS
19	Quantum-interference device without Josephson junctions. Physical Review B, 1987, 35, 35-37.	3.2	54
20	Commensurate Vortex States of the Infinite Superconducting Microladder. Japanese Journal of Applied Physics, 1987, 26, 1465.	1.5	10
21	Artificial Microstructure and Quantum Interference of Supercurrents. Japanese Journal of Applied Physics, 1987, 26, 1605.	1.5	0
22	Size dependence of the superconducting critical temperature and fields of Nb/Al multilayers. Journal of Low Temperature Physics, 1986, 63, 151-165.	1.4	28
23	Critical current of thin superconducting wire with side branches. Physical Review B, 1985, 31, 600-602.	3.2	31
24	Magnetic phase boundary of simple superconductive micronetworks. Physical Review B, 1982, 26, 5237-5240.	3.2	88
25	Supercurrents through superconducting-normal-superconducting proximity layers. I. Analytic solution. Physical Review B, 1976, 14, 1028-1038.	3.2	33
26	Stability Limit of the Superheated Meissner State due to Three-Dimensional Fluctuations of the Order Parameter and Vector Potential. Physical Review, 1969, 182, 498-503.	2.7	51
27	Magnetic Suspension and Guidance for High Speed Rockets by Superconducting Magnets. Journal of Applied Physics, 1969, 40, 2133-2140.	2.5	79
28	Surface Nucleation and Boundary Conditions in Superconductors. Physical Review Letters, 1969, 23, 120-123.	7.8	63
29	Vortex Nucleation in a Superconducting Slab near a Second-Order Phase Transition and Excited States of the Sheath near H_{c3} . Physical Review, 1969, 177, 732-737.	2.7	49
30	Magnetic Irreversible Solution of the Ginzburg-Landau Equations. Physical Review, 1966, 151, 219-228.	2.7	89
31	Critical Currents in the Superconducting Surface Sheath. Physical Review, 1966, 149, 186-191.	2.7	39
32	Inherent Low-Frequency Losses of the Superconducting Surface Sheath. Physical Review Letters, 1966, 16, 447-450.	7.8	27
33	Exact Solutions of the Superconducting Surface Sheath. Physical Review, 1965, 140, A1937-A1944.	2.7	75
34	Superconducting Surface Sheath of a Type-II Superconductor Below the Upper Critical Field H_{c2} . Physical Review Letters, 1965, 14, 309-312.	7.8	57
35	Critical State of The Superconducting Surface Sheath. Physical Review Letters, 1965, 15, 792-795.	7.8	68
36	Internal Currents and Magnetic Fields Close to the Surface for a Type-II Superconductor for Applied Magnetic Fields Near the Upper Critical Field H_{c2} . Physical Review Letters, 1965, 14, 853-857.	7.8	33

#	ARTICLE	IF	CITATIONS
37	High-Field Superconductivity of Carbides. Physical Review, 1965, 138, A1170-A1173.	2.7	39