

Michael Weissman

List of Publications by Year in descending order

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37
papers

708
citations

623734

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526287

27
g-index

37
all docs

37
docs citations

37
times ranked

557
citing authors

#	ARTICLE	IF	CITATIONS
1	What is a spin glass? A glimpse via mesoscopic noise. <i>Reviews of Modern Physics</i> , 1993, 65, 829-839.	45.6	137
2	Mesoscopic Thermodynamics of an Inhomogeneous Colossal-Magnetoresistive Phase. <i>Physical Review Letters</i> , 2000, 84, 3442-3445.	7.8	92
3	Aging in a Relaxor Ferroelectric: Scaling and Memory Effects. <i>Physical Review Letters</i> , 2000, 85, 3033-3036.	7.8	67
4	Growth and processing of single crystal superconducting YBa ₂ Cu ₃ O ₇ ?. <i>Journal of Low Temperature Physics</i> , 1988, 72, 345-350.	1.4	57
5	Tests of Gaussian statistical properties of 1/fnoise. <i>Journal of Applied Physics</i> , 1983, 54, 5844-5847.	2.5	48
6	Barkhausen Noise in a Relaxor Ferroelectric. <i>Physical Review Letters</i> , 2001, 88, 017601.	7.8	29
7	1/fnoise in silicon wafers. <i>Journal of Applied Physics</i> , 1982, 53, 6280-6284.	2.5	28
8	Two-step phase changes in cubic relaxor ferroelectrics. <i>Physical Review B</i> , 2005, 72, .	3.2	27
9	Nonlinear effects of current on transport in manganite films. <i>Physical Review B</i> , 2005, 71, .	3.2	27
10	1/fnoise in giant magnetoresistive materials. <i>Journal of Applied Physics</i> , 1994, 75, 6531-6533.	2.5	22
11	Small- ϵ ion friction, hydrodynamic interaction, and charge fluctuation effects in solutions of a globular macroion. <i>Journal of Chemical Physics</i> , 1980, 73, 3999-4004.	3.0	19
12	Field-dependent susceptibility aging in CuMn spin glasses. <i>Journal of Applied Physics</i> , 1994, 76, 6192-6194.	2.5	17
13	Stability of glassy and ferroelectric states in the relaxors PbMg _{1-x} Nb _{2-x} O ₃ and PbMg _{1-x} Nb _{2-x} O ₃ ~12%PbTiO ₃ . <i>Physical Review B</i> , 2007, 75, .	3.2	17
14	Electrical noise measurements on magnetic films (invited). <i>Journal of Applied Physics</i> , 1990, 67, 4884-4888.	2.5	16
15	Relations between geometrical factors for noise magnitudes in resistors. <i>Journal of Applied Physics</i> , 1980, 51, 5872-5875.	2.5	13
16	Kinetics and thermodynamics of the ferroelectric transitions in PbMg _{1/3} Nb _{2/3} O ₃ and PbMg _{1/3} Nb _{2/3} O ₃ -12% PbTiO ₃ crystals. <i>Journal of Applied Physics</i> , 2013, 113, 184104.	2.5	13
17	Role of disorder in phase coexistence in manganites: Noise in layered films. <i>Physical Review B</i> , 2005, 72, .	3.2	9
18	Nonferroelectric aging in the relaxor PbMg _{1-x} Nb _{2-x} O ₃ . <i>Physical Review B</i> , 2007, 75, .	3.2	9

#	ARTICLE	IF	CITATIONS
19	Calculations of experimental implications of tensor properties of resistance fluctuations. Journal of Applied Physics, 1982, 53, 6276-6279.	2.5	8
20	Do GRE scores help predict getting a physics Ph.D.? A comment on a paper by Miller <i>et al.</i> . Science Advances, 2020, 6, eaax3787.	10.3	8
21	1/f noise and the field effect in gated resistors. Journal of Applied Physics, 1985, 57, 634-636.	2.5	6
22	Barkhausen noise probe of the ferroelectric transition in the relaxor $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$. Physical Review B, 2017, 95, .	3.2	6
23	Resistance noise as a technique for measuring finite-size effects in single-layer $\text{Cu}_{1-x}\text{Mn}_x$ spin-glass films. Journal of Applied Physics, 1999, 85, 8317-8321.	2.5	5
24	Title is missing!. Foundations of Physics Letters, 1999, 12, 407-426.	0.6	5
25	Noise and Aging of Relaxor Ferroelectrics. AIP Conference Proceedings, 2003, , .	0.4	4
26	Aging dynamics in ferroelectric deuterated potassium dihydrogen phosphate. Physical Review Materials, 2017, 1, .	2.4	4
27	Local hydrogen hopping and long-range diffusion in Nb films: An electrical noise study. Journal of Applied Physics, 1992, 72, 915-924.	2.5	3
28	Glassy aging in the relaxor-like ferroelectric $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$. Journal of Applied Physics, 2016, 119, .	2.5	3
29	Policy recommendations from causal inference in physics education research. Physical Review Physics Education Research, 2021, 17, .	2.9	3
30	Kinetics of nucleation of the ferroelectric transitions in $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ and $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ with 12% PbTiO_3 . Physical Review B, 2014, 90, .	3.2	2
31	Non-equilibrium strain relaxation noise in the relaxor ferroelectric $(\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3)_{1-x}(\text{PbTiO}_3)_x$. Journal of Applied Physics, 2018, 124, .	2.5	2
32	Alan Sokal's Hoax and A. Lunn's Theory of Quantum Mechanics. Physics Today, 1997, 50, 15-114.	0.3	1
33	Multiple aging mechanisms in ferroelectric deuterated potassium dihydrogen phosphate. Journal of Applied Physics, 2019, 125, .	2.5	1
34	MESOSCOPIC FLUCTUATION EXPERIMENTS ON METALLIC SPIN-GLASSES. Series on Directions in Condensed Matter Physics, 1997, , 29-58.	0.1	0
35	USE OF THE ONE-AND-A-HALF-SPECTRUM TO DETERMINE BARKHAUSEN NOISE ASYMMETRY. Fluctuation and Noise Letters, 2007, 07, L13-L18.	1.5	0
36	Origins of randomness in statistical and quantum mechanics. , 2007, , .		0

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37	USE OF THE ONE-AND-A-HALF-SPECTRUM TO DETERMINE BARKHAUSEN NOISE ASYMMETRY. , 2022, , 367-372.		0