

Robert P Erickson

List of Publications by Year in descending order

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20
papers

601
citations

840776

11
h-index

888059

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g-index

20
all docs

20
docs citations

20
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism for non-Heisenberg-exchange coupling between ferromagnetic layers. Physical Review B, 1993, 47, 2626-2635.	3.2	126
2	Low-noise kinetic inductance traveling-wave amplifier using three-wave mixing. Applied Physics Letters, 2016, 108, .	3.3	83
3	Magnetic instabilities in ultrathin ferromagnets. Physical Review B, 1992, 46, 861-865.	3.2	81
4	How Molecular Motors Are Arranged on a Cargo Is Important for Vesicular Transport. PLoS Computational Biology, 2011, 7, e1002032.	3.2	66
5	Thermodynamics of thin ferromagnetic films in the presence of anisotropy and dipolar coupling. Physical Review B, 1991, 44, 11825-11835.	3.2	54
6	Microscopic theory of spin arrangements and spin waves in very thin ferromagnetic films. Physical Review B, 1991, 43, 10715-10727.	3.2	53
7	Anisotropy-driven long-range order in ultrathin ferromagnetic films. Physical Review B, 1991, 43, 11527-11530.	3.2	46
8	Kinetic inductance traveling-wave amplifiers for multiplexed qubit readout. Applied Physics Letters, 2018, 113, .	3.3	26
9	Theory of multiwave mixing within the superconducting kinetic-inductance traveling-wave amplifier. Physical Review B, 2017, 95, .	3.2	23
10	Filament-Filament Switching Can Be Regulated by Separation Between Filaments Together with Cargo Motor Number. PLoS ONE, 2013, 8, e54298.	2.5	14
11	Theory of the undulating magnetic ground state of cylindrical cobalt nanowires. Physical Review B, 2009, 80, .	3.2	11
12	Long-range dipole-dipole interactions in a two-dimensional Heisenberg ferromagnet. Physical Review B, 1992, 46, 14194-14197.	3.2	8
13	Calculation of the magnetocrystalline anisotropy energy using a torque method. Journal of Applied Physics, 1997, 81, 3869-3871.	2.5	3
14	Temperature-dependent non-Heisenberg exchange coupling of ferromagnetic layers (invited). Journal of Applied Physics, 1994, 75, 6163-6168.	2.5	2
15	Local density approximation of magnetocrystalline anisotropy: An approach for narrowband materials. Journal of Applied Physics, 1996, 79, 4808.	2.5	2
16	Variational theory of the tapered impedance transformer. Journal of Applied Physics, 2018, 123, 074501.	2.5	2
17	Surface roughness and long-range order of a semi-infinite ferromagnet. Journal of Applied Physics, 1993, 73, 5981-5983.	2.5	1
18	Spin waves of a current-injected thin ferromagnetic stripe. Physical Review B, 2008, 78, .	3.2	0

#	ARTICLE	IF	CITATIONS
19	A model of magnetic impurities within the Josephson junction of a phase qubit. Superconductor Science and Technology, 2010, 23, 025026.	3.5	0
20	3D Simulation of Filament-Filament Switching in Intracellular Transport. Biophysical Journal, 2012, 102, 380a.	0.5	0