

Albrecht Jander

List of Publications by Year in descending order

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26
papers

389
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933447
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all docs

26
docs citations

26
times ranked

784
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation of Binary-Code-Modulated Microwave Signals by Parametric Pumping of Spin Waves. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	1
2	High-Frequency and High-Field Hysteresis Loop Tracer for Magnetic Nanoparticle Characterization. IEEE Magnetics Letters, 2018, 9, 1-5.	1.1	7
3	Utilizing yield stress fluids to suppress chaining during magnetic alignment of microdisks via rotating fields. AIChE Journal, 2018, 64, 3215-3226.	3.6	0
4	Insights into the Magnetic Properties of Sub-10 nm Iron Oxide Nanocrystals through the Use of a Continuous Growth Synthesis. Chemistry of Materials, 2018, 30, 6053-6062.	6.7	31
5	Coexistence of Low Damping and Strong Magnetoelastic Coupling in Epitaxial Spinel Ferrite Thin Films. Advanced Materials, 2017, 29, 1701130.	21.0	71
6	Nondegenerate Parametric Pumping of Spin Waves by Acoustic Waves. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	19
7	Theoretical study of alignment dynamics of magnetic oblate spheroids in rotating magnetic fields. Physics of Fluids, 2016, 28, .	4.0	5
8	Dependence of Exchange Stiffness on Metallic Spacer Layer Material and Thickness in Dual-Interface CoFeB/MgO Magnetic Thin Films. IEEE Magnetics Letters, 2016, 7, 1-3.	1.1	10
9	Estimating Exchange Stiffness of Thin Films With Perpendicular Anisotropy Using Magnetic Domain Images. IEEE Magnetics Letters, 2016, 7, 1-5.	1.1	6
10	Planar Alignment of Magnetic Microdisks in Composites Using Rotating Fields. IEEE Transactions on Magnetics, 2015, 51, 1-5.	2.1	4
11	Planar Alignment of Isolated Magnetic Disks in Newtonian Fluids by a Rotating Field. IEEE Magnetics Letters, 2015, 6, 1-4.	1.1	5
12	Parametric Amplification of Spin Waves Using Acoustic Waves. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	15
13	Magnetostriction Measurements of L10 Fe50Pt(50-x)Pdx Thin Films. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	1
14	Acoustically Assisted Magnetic Recording: A New Paradigm in Magnetic Data Storage. IEEE Transactions on Magnetics, 2014, 50, 37-40.	2.1	32
15	Inkjet printing of magnetic materials with aligned anisotropy. Journal of Applied Physics, 2014, 115, .	2.5	42
16	Measuring the inverse magnetostrictive effect in a thin film using a modified vibrating sample magnetometer. Journal of Applied Physics, 2014, 115, .	2.5	7
17	Magnetic recording with acoustic waves. Physica B: Condensed Matter, 2014, 448, 151-154.	2.7	7
18	Writing magnetic patterns with surface acoustic waves. Journal of Applied Physics, 2014, 115, .	2.5	21

#	ARTICLE	IF	CITATIONS
19	Radiation Tolerance of Magnetic Tunnel Junctions With MgO Tunnel Barriers. IEEE Transactions on Nuclear Science, 2012, 59, 3034-3038.	2.0	41
20	Surface Acoustic Wave Magnetic Sensor using Galfenol Thin Film. IEEE Transactions on Magnetics, 2012, 48, 4100-4102.	2.1	39
21	Ferromagnetic resonance study on NiFe ₂ O ₄ nanocomposites. , 2011, , .		0
22	Sensitivity analysis of magnetic field sensors utilizing spin-dependent recombination in silicon diodes. , 2009, , .		0
23	A toggle MRAM bit modeled in Verilog-A. , 2009, , .		0
24	Electrically Tunable Thin Film Magnetic Core Using Synthetic Antiferromagnet Structure. IEEE Transactions on Magnetics, 2008, 44, 4100-4103.	2.1	0
25	Angular momentum and energy transferred through ferromagnetic resonance. Applied Physics Letters, 2001, 78, 2348-2350.	3.3	20
26	<title>Micromechanical detectors for ferromagnetic resonance spectroscopy</title>. , 2000, 4176, 84.		5