

Albrecht Jander

List of Publications by Year in descending order

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26
papers

389
citations

932766

10
h-index

752256

20
g-index

26
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26
docs citations

26
times ranked

784
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of Low Damping and Strong Magnetoelastic Coupling in Epitaxial Spinel Ferrite Thin Films. <i>Advanced Materials</i> , 2017, 29, 1701130.	11.1	71
2	Inkjet printing of magnetic materials with aligned anisotropy. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	42
3	Radiation Tolerance of Magnetic Tunnel Junctions With MgO Tunnel Barriers. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 3034-3038.	1.2	41
4	Surface Acoustic Wave Magnetic Sensor using Galfenol Thin Film. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 4100-4102.	1.2	39
5	Acoustically Assisted Magnetic Recording: A New Paradigm in Magnetic Data Storage. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 37-40.	1.2	32
6	Insights into the Magnetic Properties of Sub-10 nm Iron Oxide Nanocrystals through the Use of a Continuous Growth Synthesis. <i>Chemistry of Materials</i> , 2018, 30, 6053-6062.	3.2	31
7	Writing magnetic patterns with surface acoustic waves. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	21
8	Angular momentum and energy transferred through ferromagnetic resonance. <i>Applied Physics Letters</i> , 2001, 78, 2348-2350.	1.5	20
9	Nondegenerate Parametric Pumping of Spin Waves by Acoustic Waves. <i>IEEE Magnetics Letters</i> , 2017, 8, 1-4.	0.6	19
10	Parametric Amplification of Spin Waves Using Acoustic Waves. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	15
11	Dependence of Exchange Stiffness on Metallic Spacer Layer Material and Thickness in Dual-Interface CoFeB/MgO Magnetic Thin Films. <i>IEEE Magnetics Letters</i> , 2016, 7, 1-3.	0.6	10
12	Measuring the inverse magnetostrictive effect in a thin film using a modified vibrating sample magnetometer. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	7
13	Magnetic recording with acoustic waves. <i>Physica B: Condensed Matter</i> , 2014, 448, 151-154.	1.3	7
14	High-Frequency and High-Field Hysteresis Loop Tracer for Magnetic Nanoparticle Characterization. <i>IEEE Magnetics Letters</i> , 2018, 9, 1-5.	0.6	7
15	Estimating Exchange Stiffness of Thin Films With Perpendicular Anisotropy Using Magnetic Domain Images. <i>IEEE Magnetics Letters</i> , 2016, 7, 1-5.	0.6	6
16	<title>Micromechanical detectors for ferromagnetic resonance spectroscopy</title>. , 2000, 4176, 84.		5
17	Planar Alignment of Isolated Magnetic Disks in Newtonian Fluids by a Rotating Field. <i>IEEE Magnetics Letters</i> , 2015, 6, 1-4.	0.6	5
18	Theoretical study of alignment dynamics of magnetic oblate spheroids in rotating magnetic fields. <i>Physics of Fluids</i> , 2016, 28, .	1.6	5

#	ARTICLE	IF	CITATIONS
19	Planar Alignment of Magnetic Microdisks in Composites Using Rotating Fields. IEEE Transactions on Magnetics, 2015, 51, 1-5.	1.2	4
20	Magnetostriction Measurements of L10 Fe50Pt(50â€“x)Pdx Thin Films. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	1
21	Correlation of Binary-Code-Modulated Microwave Signals by Parametric Pumping of Spin Waves. IEEE Magnetics Letters, 2020, 11, 1-5.	0.6	1
22	Electrically Tunable Thin Film Magnetic Core Using Synthetic Antiferromagnet Structure. IEEE Transactions on Magnetics, 2008, 44, 4100-4103.	1.2	0
23	Sensitivity analysis of magnetic field sensors utilizing spin-dependent recombination in silicon diodes. , 2009, , .		0
24	A toggle MRAM bit modeled in Verilog-A. , 2009, , .		0
25	Ferromagnetic resonance study on NiFe2/O/4 nanocomposites. , 2011, , .		0
26	Utilizing yieldâ€“stress fluids to suppress chaining during magnetic alignment of microdisks via rotating fields. AICHE Journal, 2018, 64, 3215-3226.	1.8	0