

Dmitri Litvinov

List of Publications by Year in descending order

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36
papers

1,094
citations

687363

13
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

2142
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Magnetic Properties of Nanoparticles. International Journal of Molecular Sciences, 2013, 14, 15977-16009.	4.1	629
2	Magnetic force microscopy study of magnetic stripe domains in sputter deposited Permalloy thin films. Journal of Applied Physics, 2008, 103, .	2.5	74
3	Surfactant-Controlled Size and Shape Evolution of Magnetic Nanoparticles. Crystal Growth and Design, 2009, 9, 32-34.	3.0	48
4	Fabrication of a high anisotropy nanoscale patterned magnetic recording medium for data storage applications. Nanotechnology, 2006, 17, 2079-2082.	2.6	47
5	Cubic Silica-Coated and Amine-Functionalized FeCo Nanoparticles with High Saturation Magnetization. Chemistry of Materials, 2013, 25, 1092-1097.	6.7	45
6	Magnetic Sensing Potential of Fe ₃ O ₄ Nanocubes Exceeds That of Fe ₃ O ₄ Nanospheres. ACS Omega, 2017, 2, 8010-8019.	3.5	37
7	Enhancement of lateral flow assay performance by electromagnetic relocation of reporter particles. PLoS ONE, 2018, 13, e0186782.	2.5	27
8	Multilevel-3D Bit Patterned Magnetic Media with 8 Signal Levels Per Nanocolumn. PLoS ONE, 2012, 7, e40134.	2.5	26
9	Ultrasensitive Magnetic Nanoparticle Detector for Biosensor Applications. Sensors, 2017, 17, 1296.	3.8	23
10	Magnetization reversal and magnetic anisotropy in patterned Co/Pd multilayer thin films. Journal of Applied Physics, 2008, 103, 023920.	2.5	19
11	Screen-printing of ferrite magnetic nanoparticles produced by carbon combustion synthesis of oxides. Journal of Applied Physics, 2012, 111, 094311.	2.5	15
12	Development of pinhole-free amorphous aluminum oxide protective layers for biomedical device applications. Surface and Coatings Technology, 2013, 224, 101-108.	4.8	14
13	Sub-10-nm-resolution electron-beam lithography toward very-high-density multilevel 3D nano-magnetic information devices. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	13
14	Spin-Valve based magnetoresistive nanoparticle detector for applications in biosensing. Sensors and Actuators A: Physical, 2017, 265, 174-180.	4.1	13
15	Specific Detection of Proteins Using Exceptionally Responsive Magnetic Particles. Analytical Chemistry, 2018, 90, 6749-6756.	6.5	13
16	Scalable, cost-efficient synthesis and properties optimization of magnetoelectric cobalt ferrite/barium titanate composites. APL Materials, 2021, 9, .	5.1	10
17	Micromagnetics of signal propagation in magnetic cellular logic data channels. Journal of Applied Physics, 2008, 104, 054311.	2.5	9
18	Enzymatic Synthesis of Magnetic Nanoparticles. International Journal of Molecular Sciences, 2015, 16, 7535-7550.	4.1	9

#	ARTICLE	IF	CITATIONS
19	PCB-Based Magnetometer as a Platform for Quantification of Lateral-Flow Assays. <i>Sensors</i> , 2019, 19, 5433.	3.8	6
20	Influence of low anisotropy inclusions on magnetization reversal in bit-patterned arrays. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	4
21	Enzymatic conversion of magnetic nanoparticles to a non-magnetic precipitate: a new approach to magnetic sensing. <i>Analyst</i> , The, 2016, 141, 5246-5251.	3.5	4
22	Ferromagnetic resonance in coupled magnetic nanostructured arrays. <i>AIP Advances</i> , 2018, 8, .	1.3	3
23	NanoScience Concentration Program for science, engineering and technology curricula. , 2012, , .		2
24	Influence of a low anisotropy grain on magnetization reversal in polycrystalline bit-patterned media. <i>Journal of Applied Physics</i> , 2013, 114, 123909.	2.5	2
25	Recombinant expression, characterization, and quantification in human cancer cell lines of the Anaplastic Large-Cell Lymphoma-characteristic NPM-ALK fusion protein. <i>Scientific Reports</i> , 2020, 10, 5078.	3.3	2
26	Annealing Study of (Co/Pd) _N Magnetic Multilayers for Applications In Bit-Patterned Magnetic Recording Media. <i>Materials Research Society Symposia Proceedings</i> , 2006, 961, 1.	0.1	0
27	Cost-effective approach to large-scale synthesis of cobalt ferrite nanoparticles. , 2007, , .		0
28	On the Physics of Magnetic Anisotropy in Co/Pd Multilayer Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2007, 998, 1.	0.1	0
29	The effects of edge defects on the switching characteristics of bit patterned media. , 2007, , .		0
30	Electrochemical Synthesis and Nanofabrication of Materials for Magnetic and Ultrasound Sensors Application. , 2008, , .		0
31	Nanoimprint lithography tone reversal process using poly(methyl methacrylate) and hydrogen silsesquioxane. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, 041603.	1.2	0
32	Near-infrared-responsive, superparamagnetic Au@Co nanochains. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1680-1687.	2.8	0
33	Fabrication and characterization of annular magnetic nanostructures. <i>AIP Advances</i> , 2018, 8, 095220.	1.3	0
34	High-throughput nanomanufacturing of synthetic antiferromagnet-polymer nanoparticles with high magnetic moment, very low remanence, and high magnetic susceptibility for biomedical applications. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, 022801.	1.2	0
35	Nanomagnetism and Nanomagnetic Materials [Guest Editorial]. <i>IEEE Nanotechnology Magazine</i> , 2020, 14, 5-5.	1.3	0
36	Fabrication of Dense Non-Circular Nanomagnetic Device Arrays Using Self-Limiting Low-Energy Glow-Discharge Processing. <i>PLoS ONE</i> , 2013, 8, e73083.	2.5	0