

Dmitri Litvinov

List of Publications by Year in descending order

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36
papers

1,094
citations

687363

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610901

24
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36
all docs

36
docs citations

36
times ranked

2142
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable, cost-efficient synthesis and properties optimization of magnetoelectric cobalt ferrite/barium titanate composites. <i>APL Materials</i> , 2021, 9, .	5.1	10
2	Nanomagnetism and Nanomagnetic Materials [Guest Editorial]. <i>IEEE Nanotechnology Magazine</i> , 2020, 14, 5-5.	1.3	0
3	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
4	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
5	PCB-Based Magnetometer as a Platform for Quantification of Lateral-Flow Assays. <i>Sensors</i> , 2019, 19, 5433.	3.8	6
6	Fabrication and characterization of annular magnetic nanostructures. <i>AIP Advances</i> , 2018, 8, 095220.	1.3	0
7	Ferromagnetic resonance in coupled magnetic nanostructured arrays. <i>AIP Advances</i> , 2018, 8, .	1.3	3
8	Specific Detection of Proteins Using Exceptionally Responsive Magnetic Particles. <i>Analytical Chemistry</i> , 2018, 90, 6749-6756.	6.5	13
9	Enhancement of lateral flow assay performance by electromagnetic relocation of reporter particles. <i>PLoS ONE</i> , 2018, 13, e0186782.	2.5	27
10	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
11	Spin-Valve based magnetoresistive nanoparticle detector for applications in biosensing. <i>Sensors and Actuators A: Physical</i> , 2017, 265, 174-180.	4.1	13
12	Magnetic Sensing Potential of Fe ₃ O ₄ Nanocubes Exceeds That of Fe ₃ O ₄ Nanospheres. <i>ACS Omega</i> , 2017, 2, 8010-8019.	3.5	37
13	Near-infrared-responsive, superparamagnetic Au@Co nanochains. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1680-1687.	2.8	0
14	Ultrasensitive Magnetic Nanoparticle Detector for Biosensor Applications. <i>Sensors</i> , 2017, 17, 1296.	3.8	23
15	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
16	Enzymatic Synthesis of Magnetic Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2015, 16, 7535-7550.	4.1	9
17	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
18	Tuning the Magnetic Properties of Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2013, 14, 15977-16009.	4.1	629

#	ARTICLE	IF	CITATIONS
19	Development of pinhole-free amorphous aluminum oxide protective layers for biomedical device applications. <i>Surface and Coatings Technology</i> , 2013, 224, 101-108.	4.8	14
20	Sub-10-nm-resolution electron-beam lithography toward very-high-density multilevel 3D nano-magnetic information devices. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	13
21	Cubic Silica-Coated and Amine-Functionalized FeCo Nanoparticles with High Saturation Magnetization. <i>Chemistry of Materials</i> , 2013, 25, 1092-1097.	6.7	45
22	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
23	Influence of low anisotropy inclusions on magnetization reversal in bit-patterned arrays. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	4
24	NanoScience Concentration Program for science, engineering and technology curricula. , 2012, , .		2
25	Screen-printing of ferrite magnetic nanoparticles produced by carbon combustion synthesis of oxides. <i>Journal of Applied Physics</i> , 2012, 111, 094311.	2.5	15
26	Multilevel-3D Bit Patterned Magnetic Media with 8 Signal Levels Per Nanocolumn. <i>PLoS ONE</i> , 2012, 7, e40134.	2.5	26
27	Surfactant-Controlled Size and Shape Evolution of Magnetic Nanoparticles. <i>Crystal Growth and Design</i> , 2009, 9, 32-34.	3.0	48
28	Magnetic force microscopy study of magnetic stripe domains in sputter deposited Permalloy thin films. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	74
29	Magnetization reversal and magnetic anisotropy in patterned Co/Pd multilayer thin films. <i>Journal of Applied Physics</i> , 2008, 103, 023920.	2.5	19
30	Electrochemical Synthesis and Nanofabrication of Materials for Magnetic and Ultrasound Sensors Application. , 2008, , .		0
31	Micromagnetics of signal propagation in magnetic cellular logic data channels. <i>Journal of Applied Physics</i> , 2008, 104, 054311.	2.5	9
32	Cost-effective approach to large-scale synthesis of cobalt ferrite nanoparticles. , 2007, , .		0
33	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
34	The effects of edge defects on the switching characteristics of bit patterned media. , 2007, , .		0
35	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
36	Fabrication of a high anisotropy nanoscale patterned magnetic recording medium for data storage applications. <i>Nanotechnology</i> , 2006, 17, 2079-2082.	2.6	47