Snorri P Ingvarsson

List of Publications by Year
in descending order

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41 papers	937 citations	516710 16 h-index	454955 30 g-index
41 all docs	41 docs citations	41 times ranked	1217 citing authors

#	Article	IF	Citations
1	Correlation of uniaxial magnetic anisotropy axes and principal resistivities in polycrystalline ferromagnetic films. Journal of Magnetism and Magnetic Materials, 2021, 532, 167982.	2.3	5
2	Tailoring interface alloying and magnetic properties in (111) Permalloy/Pt multilayers. Journal of Magnetism and Magnetic Materials, 2021, 538, 168288.	2.3	3
3	On the role of ion potential energy in low energy HiPIMS deposition: An atomistic simulation. Surface and Coatings Technology, 2021, 426, 127726.	4.8	7
4	Effect of substrate bias on microstructure of epitaxial film grown by HiPIMS: An atomistic simulation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	2.1	9
5	Oblique angle deposition of nickel thin films by high-power impulse magnetron sputtering. Beilstein Journal of Nanotechnology, 2019, 10, 1914-1921.	2.8	14
6	Role of ionization fraction on the surface roughness, density, and interface mixing of the films deposited by thermal evaporation, dc magnetron sputtering, and HiPIMS: An atomistic simulation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	23
7	Effect of atomic ordering on the magnetic anisotropy of single crystal Ni80Fe20. AIP Advances, 2019, 9, .	1.3	12
8	Application of an extended van der Pauw method to anisotropic magnetoresistance measurements of ferromagnetic films. Journal Physics D: Applied Physics, 2019, 52, 075002.	2.8	15
9	Size and shape-dependent melting mechanism of Pd nanoparticles. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	10
10	Comparison of magnetic and structural properties of permalloy Ni₈₀Fe₂₀ grown by dc and high power impulse magnetron sputtering. Journal Physics D: Applied Physics, 2018, 51, 285005.	2.8	16
11	Effect of substrate bias on properties of HiPIMS deposited vanadium nitride films. Thin Solid Films, 2018, 663, 126-130.	1.8	19
12	Grain growth in Pt microheaters subjected to high current density under constant power. Journal Physics D: Applied Physics, 2018, 51, 265303.	2.8	0
13	Thickness-dependent magnetic and magnetoresistance properties of permalloy prepared by field assisted tilt sputtering. , 2017, , .		4
14	A sub-Î¼s thermal time constant electrically driven Pt nanoheater: thermo-dynamic design and frequency characterization. Applied Physics Letters, 2016, 108, .	3.3	5
15	Power regulation and electromigration in platinum microwires. Review of Scientific Instruments, 2014, 85, 114709.	1.3	8
16	Analysis of the noise spectra from oxidized superparamagnetic nanoparticles. Physical Review B, 2014, 90, .	3.2	5
17	High-frequency sub-wavelength IR thermal source. , 2014, , .		1
18	Optimisation of performance for platinum nanowires as sub-wavelength bolometers. Proceedings of SPIE, 2013, , .	0.8	0

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19	DC and AC Characterization of MgO Magnetic Tunnel Junction Sensors. IEEE Transactions on Magnetics, 2013, 49, 5469-5474.	2.1	17
20	Broadband injection and scattering of spin waves in lossy width-modulated magnonic crystal waveguides. Journal Physics D: Applied Physics, 2013, 46, 135003.	2.8	21
21	Sample size effects on the performance of sub-wavelength metallic thin-film bolometers. Journal of Optics (United Kingdom), 2013, 15, 114011.	2.2	3
22	Thermal radiation from Au nanoparticles deposited on patterned Pt microstructures. Journal Physics D: Applied Physics, 2012, 45, 445106.	2.8	3
23	Thin-film platinum nanowires as sub-wavelength bolometers. Proceedings of SPIE, 2012, , .	0.8	1
24	Sub-wavelength bolometers: Uncooled platinum wires as infrared sensors. Optics Express, 2011, 19, 8721.	3.4	28
25	Optical spectra of organic quantum dots in the strong coupling regime. Superlattices and Microstructures, 2010, 47, 139-144.	3.1	1
26	Impedance spectroscopy of micron sized magnetic tunnel junctions with MgO tunnel barrier. Applied Physics Letters, 2010, 96, 232506.	3.3	21
27	Ferromagnetic resonance of individual magnetic double layer microwires. Journal of Applied Physics, 2009, 106, 083906.	2.5	6
28	Changing the emission of polarized thermal radiation from metallic nanoheaters. Optics Express, 2009, 17, 17963.	3.4	12
29	Progress towards a thermally driven, infraâ€red nearâ€field source using nanoheaters. Journal of Microscopy, 2008, 229, 512-516.	1.8	5
30	Coherence properties of infrared thermal emission from heated metallic nanowires. Applied Physics Letters, 2008, 92, 213102.	3.3	15
31	Thermal radiation spectra of individual subwavelength microheaters. Physical Review B, 2008, 78, .	3.2	24
32	Enhanced thermal emission from individual antenna-like nanoheaters. Optics Express, 2007, 15, 11249.	3.4	43
33	Tunable magnetization damping in transition metal ternary alloys. Applied Physics Letters, 2004, 85, 4995-4997.	3.3	32
34	Properties of epitaxial chromium dioxide films grown by chemical vapor deposition using a liquid precursor. Journal of Applied Physics, 2002, 91, 7140.	2.5	20
35	Local magnetic anisotropy control in NiFe thin films via ion irradiation. Applied Physics Letters, 2002, 81, 1267-1269.	3.3	45
36	Role of electron scattering in the magnetization relaxation of thinNi81Fe19films. Physical Review B, 2002, 66, .	3.2	100

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37	Magnetic exchange bias enhancement through seed layer variation in FeMn/NiFe layered structures. Journal of Magnetism and Magnetic Materials, 2002, 247, 187-190.	2.3	24
38	Thickness-dependent magnetic properties of Ni81Fe19, Co90Fe10 and Ni65Fe15Co20 thin films. Journal of Magnetism and Magnetic Materials, 2002, 251, 202-206.	2.3	57
39	NÃ©el â€œorange-peelâ€•coupling in magnetic tunneling junction devices. Applied Physics Letters, 2000, 77, 2373-2375.	3.3	145
40	Low-Frequency Magnetic Noise in Micron-Scale Magnetic Tunnel Junctions. Physical Review Letters, 2000, 85, 3289-3292.	7.8	131
41	Electronic noise in magnetic tunnel junctions. Journal of Applied Physics, 1999, 85, 5270-5272.	2.5	27