

Snorri P Ingvarsson

List of Publications by Year in descending order

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papers

937
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516710

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454955

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41
all docs

41
docs citations

41
times ranked

1217
citing authors

#	ARTICLE	IF	CITATIONS
1	Ni ₈₁ Fe ₁₉ tunnel junction coupling in magnetic tunneling junction devices. Applied Physics Letters, 2000, 77, 2373-2375.	3.3	145
2	Low-Frequency Magnetic Noise in Micron-Scale Magnetic Tunnel Junctions. Physical Review Letters, 2000, 85, 3289-3292.	7.8	131
3	Role of electron scattering in the magnetization relaxation of thin Ni ₈₁ Fe ₁₉ films. Physical Review B, 2002, 66, .	3.2	100
4	Thickness-dependent magnetic properties of Ni ₈₁ Fe ₁₉ , Co ₉₀ Fe ₁₀ and Ni ₆₅ Fe ₁₅ Co ₂₀ thin films. Journal of Magnetism and Magnetic Materials, 2002, 251, 202-206.	2.3	57
5	Local magnetic anisotropy control in NiFe thin films via ion irradiation. Applied Physics Letters, 2002, 81, 1267-1269.	3.3	45
6	Enhanced thermal emission from individual antenna-like nanoheaters. Optics Express, 2007, 15, 11249.	3.4	43
7	Tunable magnetization damping in transition metal ternary alloys. Applied Physics Letters, 2004, 85, 4995-4997.	3.3	32
8	Sub-wavelength bolometers: Uncooled platinum wires as infrared sensors. Optics Express, 2011, 19, 8721.	3.4	28
9	Electronic noise in magnetic tunnel junctions. Journal of Applied Physics, 1999, 85, 5270-5272.	2.5	27
10	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
11	Thermal radiation spectra of individual subwavelength microheaters. Physical Review B, 2008, 78, .	3.2	24
12	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
13	Impedance spectroscopy of micron sized magnetic tunnel junctions with MgO tunnel barrier. Applied Physics Letters, 2010, 96, 232506.	3.3	21
14	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
15	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
16	Effect of substrate bias on properties of HiPIMS deposited vanadium nitride films. Thin Solid Films, 2018, 663, 126-130.	1.8	19
17	DC and AC Characterization of MgO Magnetic Tunnel Junction Sensors. IEEE Transactions on Magnetism, 2013, 49, 5469-5474.	2.1	17
18	Comparison of magnetic and structural properties of permalloy Ni ₈₀ Fe ₂₀ grown by dc and high power impulse magnetron sputtering. Journal Physics D: Applied Physics, 2018, 51, 285005.	2.8	16

#	ARTICLE	IF	CITATIONS
19	Coherence properties of infrared thermal emission from heated metallic nanowires. Applied Physics Letters, 2008, 92, 213102.	3.3	15
20	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
21	Oblique angle deposition of nickel thin films by high-power impulse magnetron sputtering. Beilstein Journal of Nanotechnology, 2019, 10, 1914-1921.	2.8	14
22	Changing the emission of polarized thermal radiation from metallic nanoheaters. Optics Express, 2009, 17, 17963.	3.4	12
23	Effect of atomic ordering on the magnetic anisotropy of single crystal Ni80Fe20. AIP Advances, 2019, 9, .	1.3	12
24	Size and shape-dependent melting mechanism of Pd nanoparticles. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	10
25	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
26	Power regulation and electromigration in platinum microwires. Review of Scientific Instruments, 2014, 85, 114709.	1.3	8
27	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
28	Ferromagnetic resonance of individual magnetic double layer microwires. Journal of Applied Physics, 2009, 106, 083906.	2.5	6
29	Progress towards a thermally driven, infrared near-field source using nanoheaters. Journal of Microscopy, 2008, 229, 512-516.	1.8	5
30	Analysis of the noise spectra from oxidized superparamagnetic nanoparticles. Physical Review B, 2014, 90, .	3.2	5
31	A sub-1/4s thermal time constant electrically driven Pt nanoheater: thermo-dynamic design and frequency characterization. Applied Physics Letters, 2016, 108, .	3.3	5
32	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
33	Thickness-dependent magnetic and magnetoresistance properties of permalloy prepared by field assisted tilt sputtering. , 2017, , .		4
34	Thermal radiation from Au nanoparticles deposited on patterned Pt microstructures. Journal Physics D: Applied Physics, 2012, 45, 445106.	2.8	3
35	Sample size effects on the performance of sub-wavelength metallic thin-film bolometers. Journal of Optics (United Kingdom), 2013, 15, 114011.	2.2	3
36	Tailoring interface alloying and magnetic properties in (111) Permalloy/Pt multilayers. Journal of Magnetism and Magnetic Materials, 2021, 538, 168288.	2.3	3

#	ARTICLE	IF	CITATIONS
37	Optical spectra of organic quantum dots in the strong coupling regime. Superlattices and Microstructures, 2010, 47, 139-144.	3.1	1
38	Thin-film platinum nanowires as sub-wavelength bolometers. Proceedings of SPIE, 2012, , .	0.8	1
39	High-frequency sub-wavelength IR thermal source. , 2014, , .		1
40	Optimisation of performance for platinum nanowires as sub-wavelength bolometers. Proceedings of SPIE, 2013, , .	0.8	0
41	Grain growth in Pt microheaters subjected to high current density under constant power. Journal Physics D: Applied Physics, 2018, 51, 265303.	2.8	0