

Shih-Nan Hsiao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Early-stage ordering in in-situ annealed Fe ₅₁ Pt ₄₉ films. Journal of Magnetism and Magnetic Materials, 2009, 321, 2459-2466.	2.3	23
2	Influences of substrate temperatures on etch rates of PECVD-SiN thin films with a CF ₄ /H ₂ plasma. Applied Surface Science, 2021, 542, 148550.	6.1	20
3	Selective etching of SiN against SiO ₂ and poly-Si films in hydrofluoroethane chemistry with a mixture of CH ₂ FCH ₂ , O ₂ , and Ar. Applied Surface Science, 2021, 541, 148439.	6.1	17
4	A comparison of rapid-annealed FePt and FePd thin films: Internal stress, L10 ordering, and texture. Vacuum, 2016, 125, 1-5.	3.5	12
5	Substantial reduction in coercivity of perpendicular CoPt/FePt graded films with near-atomic flatness on glass substrates. Journal of Alloys and Compounds, 2015, 631, 15-20.	5.5	10
6	Preventing dewetting during rapid-thermal annealing of FePt films with enhanced L10 ordering by introducing Ag cap-layers. Journal of Magnetism and Magnetic Materials, 2015, 394, 121-125.	2.3	7
7	Influence of pressure on (001)-preferred orientation and in-plane residual stress in rapidly annealed FePt thin films. Applied Surface Science, 2020, 509, 145304.	6.1	7
8	Effects of hydrogen content in films on the etching of LPCVD and PECVD SiN films using CF ₄ /H ₂ plasma at different substrate temperatures. Plasma Processes and Polymers, 2021, 18, e2100078.	3.0	7
9	On the Etching Mechanism of Highly Hydrogenated SiN Films by CF ₄ /D ₂ Plasma: Comparison with CF ₄ /H ₂ . Coatings, 2021, 11, 1535.	2.6	7
10	Effect of FePt/Mo interface on ordering transformation. Journal of Magnetism and Magnetic Materials, 2007, 310, e775-e776.	2.3	6
11	Atomically flat surface of (001) textured FePt thin films by residual stress control. Applied Surface Science, 2015, 354, 201-205.	6.1	6
12	Evolution of microstructure and residual stress on L10 ordering in FePt thin films with different initial stress states. Journal of Magnetism and Magnetic Materials, 2016, 398, 275-280.	2.3	5
13	Thickness-dependent (001) orientation and surface morphology of rapid-annealed FePt thin films on a glass substrate. Vacuum, 2015, 121, 305-309.	3.5	4
14	Evolution of microstructure, residual stress, and texture in FePt films during rapid thermal annealing. Journal of Alloys and Compounds, 2016, 656, 876-880.	5.5	3
15	Low-temperature reduction of SnO ₂ by floating wire-assisted medium-pressure H ₂ /Ar plasma. Plasma Processes and Polymers, 2022, 19, .	3.0	3
16	Thickness-dependent L10 ordering behavior in polycrystalline FePd nanoparticle films on glass substrates. Vacuum, 2021, 187, 110153.	3.5	1
17	FePt Thin Films: Fundamentals and Applications. , 2016, , .		0