

Anastasios Markou

List of Publications by Year in descending order

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45
papers

826
citations

516710

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501196

28
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45
all docs

45
docs citations

45
times ranked

944
citing authors

#	ARTICLE	IF	CITATIONS
1	Large anomalous Nernst effect in thin films of the Weyl semimetal Co ₂ MnGa. Applied Physics Letters, 2018, 113, .	3.3	92
2	Anomalous and topological Hall effects in epitaxial thin films of the noncollinear antiferromagnet Mn_3Sn . Physical Review B, 2020, 101, .	3.3	68
3	Thickness dependence of the anomalous Hall effect in thin films of the topological semimetal Co_2MnGa . Physical Review B, 2019, 100, .	3.2	66
4	Noncollinear antiferromagnetic Mn_3Sn films. Physical Review Materials, 2018, 2, .	2.4	58
5	Imaging and writing magnetic domains in the non-collinear antiferromagnet Mn ₃ Sn. Nature Communications, 2019, 10, 5459.	12.8	55
6	Thickness dependence of the anomalous Nernst effect and the Mott relation of Weyl semimetal thin films. Physical Review B, 2020, 101, .	3.2	40
7	Anomalous Hall effect and the role of Berry curvature in Co_2MnGa Heusler films. Physical Review B, 2019, 100, .	3.2	32
8	Unconventional Hall response in the quantum limit of HfTe ₅ . Nature Communications, 2020, 11, 5926.	12.8	32
9	Topological Hall effect in thin films of Mn_3Sn . Physical Review Materials, 2019, 3, .	12.8	32
10	Origin of the quasi-quantized Hall effect in ZrTe ₅ . Nature Communications, 2021, 12, 3197.	12.8	31
11	Anomalous Hall and Nernst Effects in Co_2MnGa and Ti_2Sn . Physical Review Applied, 2018, 10, .	3.8	24
12	Magnetic and Electronic Properties of Weyl Semimetal Co ₂ MnGa Thin Films. Nanomaterials, 2021, 11, 251.	4.1	21
13	Magnetization reversal in triangular L10-FePt nanoislands. Journal of Magnetism and Magnetic Materials, 2013, 344, 224-229.	2.3	19
14	Topological Hall Signatures of Two Chiral Spin Textures Hosted in a Single Tetragonal Inverse Heusler Thin Film. ACS Nano, 2020, 14, 13463-13469.	14.6	19
15	Large magnetic anisotropy in strained Fe/Co multilayers on AuCu and the effect of carbon doping. APL Materials, 2015, 3, .	5.1	17
16	Optimization of L1 FePt/Fe ₄₅ Co ₅₅ thin films for rare earth free permanent magnet applications. Journal of Applied Physics, 2015, 117, .	2.5	17
17	Giant intrinsic anomalous terahertz Faraday rotation in the magnetic Weyl semimetal Co_2MnGa at room temperature. Physical Review B, 2022, 105, .	3.2	16
18	All Electrical Access to Topological Transport Features in Mn _{1.8} PtSn Films. Nano Letters, 2019, 19, 2366-2370.	9.1	14

#	ARTICLE	IF	CITATIONS
19	Heteroepitaxial growth of tetragonal $\text{Mn}_{2.7}\text{xFeGa}_{1.3}$ (0 \leq x \leq 1.2) Heusler films with perpendicular magnetic anisotropy. <i>APL Materials</i> , 2017, 5, .	5.1	13
20	Heteroepitaxy of Co-Based Heusler Compound/Muscovite for Flexible Spintronics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35162-35168.	8.0	13
21	Structural and magnetic properties of strongly carbon doped Fe-Co thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 393, 479-483.	2.3	12
22	Magnetic and electrical transport signatures of uncompensated moments in epitaxial thin films of the noncollinear antiferromagnet Mn_3Ir . <i>Applied Physics Letters</i> , 2019, 115, 062403.	3.3	12
23	Role of Magnetic Exchange Interactions in Chiral-Type Hall Effects of Epitaxial $\text{Mn}_x\text{Pt}_{1-x}$ Films. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1323-1333.	4.3	11
24	Spin-voltage-driven efficient terahertz spin currents from the magnetic Weyl semimetals Co_2MnGa and Co_2MnAl . <i>Applied Physics Letters</i> , 2022, 120, .	3.3	11
25	Epitaxial growth, structural characterization, and exchange bias of noncollinear antiferromagnetic $\text{Mn}_x\text{Pt}_{1-x}$ thin films. <i>Physical Review Materials</i> , 2019, 3, .	2.4	10
26	Spintronic THz emitters based on transition metals and semi-metals/Pt multilayers. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	10
27	Effects of layering and magnetic annealing on the texture of CoPt films. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, L61-L63.	2.3	8
28	Magnetization reversal in graded anisotropy Co/Pt multilayers: A first order reversal curve study. <i>Journal of Applied Physics</i> , 2012, 112, 123914.	2.5	8
29	Hard magnet topological semimetals in XPt_3 compounds with the harmony of Berry curvature. <i>Communications Physics</i> , 2021, 4, .	5.3	8
30	Nanoscale Noncollinear Spin Textures in Thin Films of a $2d$ Heusler Compound. <i>Advanced Materials</i> , 2021, 33, e2101323.	21.0	8
31	Plasma-Assisted Nanoscale Protein Patterning on Si Substrates via Colloidal Lithography. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13743-13751.	2.5	7
32	Formation of L10 with (001) texture in magnetically annealed Co/Pt multilayers. <i>Journal of Applied Physics</i> , 2011, 110, 083903.	2.5	6
33	Micromagnetics of triangular thin film nanoelements. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 716-723.	2.3	5
34	Coupling dependent reversal in Co/Pt based mixed anisotropy multilayer stacks. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 485, 205-211.	2.3	5
35	Magnetic properties of Co films and Co/Pt multilayers deposited on PDMS nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2582-2586.	2.3	4
36	Anisotropic magnetothermal transport in Co_2MnPt thin films. <i>Physical Review B</i> , 2021, 104, .		

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37	Tunable magnetic properties in tetragonal Mn-Fe-Ga Heusler films with perpendicular anisotropy for spintronics applications. Physical Review Materials, 2018, 2, .	2.4	4
38	Enhanced magnetization and anisotropy in Mn-Ga thin films grown on LSAT. Applied Physics Letters, 2017, 111, .	3.3	3
39	Magnetocrystalline anisotropies in Mn _x PtSn thin films. APL Materials, 2021, 9, .	5.1	3
40	Quantum Oscillations in Ferromagnetic (Sb, V) 2Te_3 Topological Insulator Thin Films. Advanced Materials, 2021, 33, 2102107.	21.0	3
41	Study of magnetization reversal in layered heterostructures by vector magnetometry. Journal of Magnetism and Magnetic Materials, 2018, 445, 95-102.	2.3	2
42	Noncollinear magnetic order in epitaxial thin films of the centrosymmetric MnPtGa hard magnet. Applied Physics Letters, 2022, 120, 172403.	3.3	2
43	Topological hall effect in Pt/Co/W multilayers with different anisotropies. Journal of Magnetism and Magnetic Materials, 2021, 530, 167937.	2.3	1
44	Inducing high coercivity and anisotropy into strained Fe-Co thin films, towards rare earth free permanent magnets applications. , 2015, , .		0
45	Terahertz Anomalous Hall Effect in Mn _{2-x} PtSn. , 2019, , .		0