Anastasios Markou

List of Publications by Year
in descending order

45 papers	826 citations	516710 16 h-index	501196 28 g-index
45 all docs	45 docs citations	45 times ranked	944 citing authors

#	Article	IF	Citations
1	Spin-voltage-driven efficient terahertz spin currents from the magnetic Weyl semimetals Co2MnGa and Co2MnAl. Applied Physics Letters, 2022, 120, .	3.3	11
2	Spintronic THz emitters based on transition metals and semi-metals/Pt multilayers. Applied Physics Letters, 2022, 120, .	3.3	10
3	Noncollinear magnetic order in epitaxial thin films of the centrosymmetric MnPtGa hard magnet. Applied Physics Letters, 2022, 120, 172403.	3.3	2
4	Giant intrinsic anomalous terahertz Faraday rotation in the magnetic Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml: at room temperature. Physical Review B, 2022, 105, .	3.2	16
5	Magnetic and Electronic Properties of Weyl Semimetal Co2MnGa Thin Films. Nanomaterials, 2021, 11, 251.	4.1	21
6	Role of Magnetic Exchange Interactions in Chiral-Type Hall Effects of Epitaxial Mn_xPtSn Films. ACS Applied Electronic Materials, 2021, 3, 1323-1333.	4.3	11
7	Magnetocrystalline anisotropies in MnxPtSn thin films. APL Materials, 2021, 9, .	5.1	3
8	Origin of the quasi-quantized Hall effect in ZrTe5. Nature Communications, 2021, 12, 3197.	12.8	31
9	Hard magnet topological semimetals in XPt3 compounds with the harmony of Berry curvature. Communications Physics, 2021, 4, .	5.3	8
10	Nanoscale Noncollinear Spin Textures in Thin Films of a D_{2d} Heusler Compound. Advanced Materials, 2021, 33, e2101323.	21.0	8
11	Topological hall effect in Pt/Co/W multilayers with different anisotropies. Journal of Magnetism and Magnetic Materials, 2021, 530, 167937.	2.3	1
12	Quantum Oscillations in Ferromagnetic (Sb, V) 2 Te 3 Topological Insulator Thin Films. Advanced Materials, 2021, 33, 2102107.	21.0	3
13	Anisotropic magnetothermal transport in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml: thin films. Physical Review B, 2021, 104, .	3.2	4
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	Unconventional Hall response in the quantum limit of HfTe5. Nature Communications, 2020, 11, 5926.	12.8	32
16	Thickness dependence of the anomalous Nernst effect and the Mott relation of Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml: thin films. Physical Review B, 2020, 101, .	3.2	40
17	Anomalous and topological Hall effects in epitaxial thin films of the noncollinear antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml: Physical Review B, 2020, 101, .	3.2	68
18	Magnetic and electrical transport signatures of uncompensated moments in epitaxial thin films of the noncollinear antiferromagnet Mn3Ir. Applied Physics Letters, 2019, 115, 062403.	3.3	12

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19	Terahertz Anomalous Hall Effect in Mn2-xPtSn. , 2019, , .		0
20	Anomalous Hall effect and the role of Berry curvature in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub></mml: Heusler films. Physical Review B, 2019, 100, .	3.2	32
21	Thickness dependence of the anomalous Hall effect in thin films of the topological semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub></mml: Physical Review B, 2019, 100, .	3.2	66
22	Heteroepitaxy of Co-Based Heusler Compound/Muscovite for Flexible Spintronics. ACS Applied Materials & Interfaces, 2019, 11, 35162-35168.	8.0	13
23	Coupling dependent reversal in Co/Pt based mixed anisotropy multilayer stacks. Journal of Magnetism and Magnetic Materials, 2019, 485, 205-211.	2.3	5
24	All Electrical Access to Topological Transport Features in Mn_{1.8}PtSn Films. Nano Letters, 2019, 19, 2366-2370.	9.1	14
25	Imaging and writing magnetic domains in the non-collinear antiferromagnet Mn3Sn. Nature Communications, 2019, 10, 5459.	12.8	55
26	Topological Hall effect in thin films of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mrow><mml:mn>1.5</ Physical Review Materials, 2019, 3, .	2.4	32
27	Epitaxial growth, structural characterization, and exchange bias of noncollinear antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Ir</mml:mi></mml:mrow></mml:math> thin films. Physical Review Materials, 2019, 3, .	2.4	10
28	Study of magnetization reversal in layered heterostructures by vector magnetometry. Journal of Magnetism and Magnetic Materials, 2018, 445, 95-102.	2.3	2
29	Large anomalous Nernst effect in thin films of the Weyl semimetal Co2MnGa. Applied Physics Letters, 2018, 113, .	3.3	92
30	Anomalous Hall and Nernst Effects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Ti</mml:mi><mml:mi>Sn</mml:m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Ti</mml:mi><mml:m Noncollinear Antiferromagnetic Semimetal. Physical Review Applied, 2018, 10, .	3.8	24
31	Noncollinear antiferromagnetic Mn₃Sn films. Physical Review Materials, 2018, 2, .	2.4	58
32	Tunable magnetic properties in tetragonal Mn-Fe-Ga Heusler films with perpendicular anisotropy for spintronics applications. Physical Review Materials, 2018, 2, .	2.4	4
33	Heteroepitaxial growth of tetragonal Mn2.7â^'xFexGa1.3 (0 â‰¤ x â‰¤ 1.2) Heusler films with perpendicular magnetic anisotropy. APL Materials, 2017, 5, .	5.1	13
34	Enhanced magnetization and anisotropy in Mn-Ga thin films grown on LSAT. Applied Physics Letters, 2017, 111, .	3.3	3
35	Micromagnetics of triangular thin film nanoelements. Journal of Magnetism and Magnetic Materials, 2016, 401, 716-723.	2.3	5
36	Large magnetic anisotropy in strained Fe/Co multilayers on AuCu and the effect of carbon doping. APL Materials, 2015, 3, .	5.1	17

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37	Structural and magnetic properties of strongly carbon doped Feâ€“Co thin films. Journal of Magnetism and Magnetic Materials, 2015, 393, 479-483.	2.3	12
38	Optimization of L1 FePt/Fe45Co55 thin films for rare earth free permanent magnet applications. Journal of Applied Physics, 2015, 117, .	2.5	17
39	Inducing high coercivity and anisotropy into strained Fe-Co thin films, towards rare earth free permanent magnets applications. , 2015, , .		0
40	Magnetization reversal in triangular L10-FePt nanoislands. Journal of Magnetism and Magnetic Materials, 2013, 344, 224-229.	2.3	19
41	Plasma-Assisted Nanoscale Protein Patterning on Si Substrates via Colloidal Lithography. Journal of Physical Chemistry A, 2013, 117, 13743-13751.	2.5	7
42	Magnetization reversal in graded anisotropy Co/Pt multilayers: A first order reversal curve study. Journal of Applied Physics, 2012, 112, 123914.	2.5	8
43	Formation of L10 with (001) texture in magnetically annealed Co/Pt multilayers. Journal of Applied Physics, 2011, 110, 083903.	2.5	6
44	Effects of layering and magnetic annealing on the texture of CoPt films. Journal of Magnetism and Magnetic Materials, 2010, 322, L61-L63.	2.3	8
45	Magnetic properties of Co films and Co/Pt multilayers deposited on PDMS nanostructures. Journal of Magnetism and Magnetic Materials, 2009, 321, 2582-2586.	2.3	4