Nika Spiridis

List of Publications by Year
in descending order

81	1,136	394421	454955
papers	citations	19 h-index	30 g-index

83	83	83	1314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Growth and characterization of ultrathin cobalt ferrite films on Pt(111). Applied Surface Science, 2022, 586, 152672.	6.1	4
2	Beating the limitation of the NÃ©el temperature of FeO with antiferromagnetic proximity in FeO/CoO. Applied Physics Letters, 2022, 120, 072404.	3.3	2
3	Interactions of Î²-Carotene with Red Blood Cells: Its Regulatory Role on Hemoglobin Functioning. Acta Physica Polonica A, 2021, 139, 283-287.	0.5	0
4	Graphene Blocks Oxidative Segregation of Iron Dissolved in Platinum: A Model Study. Advanced Materials Interfaces, 2021, 8, 2002172.	3.7	1
5	Î²-Carotene-Induced Alterations in Haemoglobin Affinity to O2. Antioxidants, 2021, 10, 451.	5.1	5
6	The first experimental results from the 04BM (PEEM/XAS) beamline at Solaris. Nuclear Instruments & Methods in Physics Research B, 2021, 492, 43-48.	1.4	48
7	Perpendicular magnetic anisotropy and residual magnetic phases in gold-capped FeRh film on MgO(0â€¯0â€¯1). Journal of Magnetism and Magnetic Materials, 2020, 495, 165804.	2.3	3
8	CO adsorption on Fe3O4(1Â1Â1) with regular and biphase terminations. Applied Surface Science, 2020, 507, 145069.	6.1	4
9	High-temperature oxygen monolayer structures on W(110) revisited. Applied Surface Science, 2020, 528, 146712.	6.1	3
10	Chemistry-dependent magnetic properties at the FeNi oxideâ€“metal interface. Journal of Materials Chemistry C, 2020, 8, 5777-5785.	5.5	7
11	Reversible oxidationâ€“reduction of epitaxial iron oxide films on Pt(111): Magnetiteâ€“hematite interconversion. Journal of Chemical Physics, 2020, 152, 054701.	3.0	7
12	Au nanoparticles on Fe-modified rutile TiO2(110): Dispersion, thermal stability, and CO adsorption. Journal of Chemical Physics, 2020, 152, 054712.	3.0	2
13	Decoding Biomineralization: Interaction of a Mad10-Derived Peptide with Magnetite Thin Films. Nano Letters, 2019, 19, 8207-8215.	9.1	9
14	Superstructures on Epitaxial Fe3O4(111) Films: Biphase Formation versus the Degree of Reduction. Journal of Physical Chemistry C, 2019, 123, 4204-4216.	3.1	12
15	Switching of Co Magnetization Driven by Antiferromagnetic-Ferromagnetic Phase Transition of FeRh Alloy in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Co</mml:mi><mml:mrow><mml:mo>/</mml:mo><mml:mi>FeRh</mml:mi></mml:mrow></mml:mrow></mml:math> Bilayers. Physical Review Applied, 2018, 9, .	3.8	15
16	The nucleation, growth and thermal stability of iron clusters on a TiO 2 (110) surface. Applied Surface Science, 2017, 416, 144-151.	6.1	5
17	Magnetic properties of epitaxial CoO/Fe(001) bilayers: The onset of exchange bias as a function of sublayer thickness and temperature. Physical Review B, 2017, 96, .	3.2	5
18	LEEM study of high-temperature oxygen structures on W(110) and their transformations. Applied Surface Science, 2017, 425, 314-320.	6.1	1

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19	Oxygen Adsorption on the Fe(110) Surface: The Old System â€“ New Structures. Journal of Physical Chemistry C, 2016, 120, 3807-3813.	3.1	7
20	Phonons in Ultrathin Oxide Films: 2D to 3D Transition in FeO on Pt(111). Physical Review Letters, 2015, 115, 186102.	7.8	22
21	Prospects of Xâ€ray photoemission electron microscopy at the first beamline of the Polish synchrotron facility â€˜Solarisâ€™. X-Ray Spectrometry, 2015, 44, 317-322.	1.4	7
22	Antiferromagnetic interlayer exchange coupling in epitaxial Fe/MgO/Fe trilayers with MgO barriers as thin as single monolayers. Journal of Applied Physics, 2014, 115, .	2.5	13
23	Effect of interfacial iron oxidation on the exchange bias in CoO/Fe bilayers. Applied Surface Science, 2014, 304, 86-90.	6.1	18
24	Epitaxial Î±-Mn(001) films on MgO(001). Thin Solid Films, 2014, 556, 137-141.	1.8	2
25	Adsorption of Gold on an Iron-Rich Fe₃O₄(001) Surface. Journal of Physical Chemistry C, 2014, 118, 2011-2017.	3.1	7
26	Au(111) films on W(110) studied by STM and LEED â€“ Uniaxial reconstruction, dislocations and Ag nanostructures. Applied Surface Science, 2014, 312, 91-96.	6.1	8
27	Epitaxial MgO/Fe(001) and Fe/MgO(001): Structures of the interfaces. Journal of Applied Physics, 2013, 113, 024320.	2.5	26
28	A LEED study of surface relaxation in Fe(110) epitaxial film on W(110). Applied Surface Science, 2013, 286, 66-70.	6.1	6
29	Oxygen on an Fe monolayer on W(110): From chemisorption to oxidation. Surface Science, 2013, 617, 183-191.	1.9	14
30	X-ray photoemission electron microscopy study of the in-plane spin reorientation transitions in epitaxial Fe films on W(110). Journal of Magnetism and Magnetic Materials, 2013, 348, 101-106.	2.3	17
31	Perpendicular magnetic anisotropy and noncollinear magnetic structure in ultrathin Fe films on W(110). Physical Review B, 2013, 87, .	3.2	18
32	Fe/CoO(001) and Fe/CoO(111) bilayers: Effect of crystal orientation on the exchange bias. Physical Review B, 2013, 88, .	3.2	34
33	Growth and electronic and magnetic structure of iron oxide films on Pt(111). Physical Review B, 2012, 85, .	3.2	26
34	Layer-by-layer epitaxial growth of polar FeO(111) thin films on MgO(111). Surface Science, 2012, 606, 711-714.	1.9	14
35	The Influence of Base Metal (M) Oxidation State in Au-M-O/TiO2 Systems on Their Catalytic Activity in Carbon Monoxide Oxidation. Catalysts, 2012, 2, 38-55.	3.5	6
36	Au/FeOx catalysts of different degree of iron oxide reduction. Catalysis Today, 2012, 187, 20-29.	4.4	19

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37	Clusterâ€“support interaction in Auâ€“Fe3O4 system. Catalysis Today, 2011, 169, 24-28.	4.4	18
38	Electronic and magnetic properties of ultra-thin epitaxial magnetite films on MgO(001). Thin Solid Films, 2011, 519, 5588-5595.	1.8	21
39	Magnetism of ultra-thin iron films seen by the nuclear resonant scattering of synchrotron radiation. Journal of Physics: Conference Series, 2010, 217, 012090.	0.4	2
40	Phonons in iron monolayers. Journal of Physics: Conference Series, 2010, 217, 012144.	0.4	6
41	Exchange bias in epitaxial CoO/Fe bilayer grown on MgO(001). Surface and Interface Analysis, 2010, 42, 696-698.	1.8	12
42	Au adsorption on defectâ€rich MgO(100) surfaces. Surface and Interface Analysis, 2010, 42, 536-539.	1.8	9
43	Thickness-driven polar spin reorientation transition in ultrathin Fe/Au(001) films. Physical Review B, 2010, 81, .	3.2	18
44	Noncollinear Magnetization Structure at the Thickness-Driven Spin-Reorientation Transition in Epitaxial Fe Films on W(110). Physical Review Letters, 2010, 105, 027206.	7.8	44
45	Tailoring of the Perpendicular Magnetization Component in Ferromagnetic Films on a Vicinal Substrate. Physical Review Letters, 2008, 101, 217202.	7.8	28
46	An ultrahigh vacuum system forin situstudies of thin films and nanostructures by nuclear resonance scattering of synchrotron radiation. Review of Scientific Instruments, 2008, 79, 045108.	1.3	33
47	Morphology of Fe/MgO(001) ultrathin films. Journal of Applied Physics, 2007, 102, 034310.	2.5	10
48	Phonons at the Fe(110) Surface. Physical Review Letters, 2007, 99, 066103.	7.8	46
49	Photoemission electronic states of epitaxially grown magnetite films. Journal of Alloys and Compounds, 2007, 442, 299-301.	5.5	3
50	Phonons in Iron: From the Bulk to an Epitaxial Monolayer. Physical Review Letters, 2007, 99, 185501.	7.8	56
51	Conversion electron MÃ¶ssbauer spectroscopy studies of ultrathin Fe films on MgO(001). Surface Science, 2007, 601, 4305-4310.	1.9	10
52	The influence of the interlayer exchange coupling on the magnetism of an Fe(001) monolayer. Surface Science, 2007, 601, 4300-4304.	1.9	3
53	Magnetic Properties of Fe3O4Films on Fe(001). Acta Physica Polonica A, 2007, 112, 1318-1325.	0.5	1
54	Electronic states of magnetite from photoemission spectroscopy ARUPS. Physica Status Solidi (B): Basic Research, 2006, 243, 103-106.	1.5	6

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55	Fe3O4(001)films onFe(001): Termination and reconstruction of iron-rich surfaces. Physical Review B, 2006, 74, .	3.2	63
56	Ultrathin epitaxial bcc-Co films stabilized on Au(001)-hex. Surface Science, 2004, 566-568, 272-277.	1.9	21
57	Domain structures and magnetization processes of ultrathin ordered ironâ€“gold alloys films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E555-E556.	2.3	1
58	Observation of the domain structure in Feâ€“Au superlattices with perpendicular anisotropy. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1253-1254.	2.3	4
59	Spin polarization and interlayer coupling in Fe/FeAl/Fe sandwiches. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E971-E972.	2.3	0
60	Surface Structure of Epitaxial Magnetite Fe3O4(001) Films:Â In Situ STM and CEMS Studiesâ€. Journal of Physical Chemistry B, 2004, 108, 14356-14361.	2.6	39
61	STM studies of near-surface precipitation of gold in ultra-thin iron films on Au(). Surface Science, 2002, 507-510, 135-139.	1.9	4
62	Correlation of morphology and magnetic properties in ultrathin epitaxial Co films on Au(). Surface Science, 2002, 507-510, 546-552.	1.9	12
63	Corrosion of epitaxial Fe(001) films studied with CEMS and AFM. Surface Science, 2002, 507-510, 865-871.	1.9	5
64	Spin engineering with Feâ€“Au monolayers. Journal of Magnetism and Magnetic Materials, 2002, 240, 362-364.	2.3	18
65	Experimental studies of the non-collinear magnetic states in epitaxial FeAu multilayers. Journal of Magnetism and Magnetic Materials, 2002, 240, 536-538.	2.3	2
66	CEMS Studies of Au/Fe/Au Ultrathin Films and Monoatomic Multilayers. Physica Status Solidi A, 2002, 189, 287-292.	1.7	7
67	Interface Structure and Indirect Coupling in Annealed Fe/Cr/Fe Ultrathin Films. Physica Status Solidi A, 2002, 189, 705-709.	1.7	6
68	Magnetic Domains and Anisotropy in Ultrathin Au/Co/Au Wedges Deposited on Mica Substrates. Physica Status Solidi A, 2002, 189, 929-933.	1.7	8
69	Size effects in epitaxial films of magnetite. Thin Solid Films, 2002, 412, 14-23.	1.8	70
70	STM studies of Au nano-clusters on TiO2(1 1 0). Vacuum, 2001, 63, 99-105.	3.5	44
71	From Monoatomic Multilayers To Ordered Alloys. Acta Physica Polonica A, 2000, 97, 129-139.	0.5	18
72	Influence of Au reconstruction on growth of Fe on Au(100). Applied Surface Science, 1999, 141, 313-318.	6.1	27

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73	Nuclear magnetic resonance (NMR) and magnetic order in Y6Mn23Hx hydrides. Journal of Magnetism and Magnetic Materials, 1999, 204, 176-184.	2.3	0
74	Low-frequency NMR line of 55Mn in the intermetallic compound Y6Mn23. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 211, 377-381.	2.1	2
75	NMR Investigations of YMn2H x Hydrides*. Zeitschrift Fur Physikalische Chemie, 1993, 179, 467-472.	2.8	8
76	NMR of samarium and neodymium in intermetallic compounds with iron and cobalt. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1198-1200.	2.3	10
77	NMR Investigations of YMn₂H_xHydrides*. Zeitschrift Fur Physikalische Chemie, 1992, 1, 507-512.	2.8	1
78	Samarium NMR in the Sm2Co17 compound. Journal of Magnetism and Magnetic Materials, 1991, 101, 401-402.	2.3	7
79	The influence of hydrogen on55Mn hyperfine fields in YMn2 hydrides. Hyperfine Interactions, 1990, 59, 353-356.	0.5	11
80	NMR and local anisotropy in YCo4B. Journal of Magnetism and Magnetic Materials, 1990, 83, 153-154.	2.3	19
81	Surface Diffusion and Island Growth. Defect and Diffusion Forum, 0, 263, 177-182.	0.4	4