

Dimitri Arvanitis

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Stable antiferromagnetic nanocrystals for room temperature applications: the case of iron nitride. Journal of Materials Chemistry C, 2019, 7, 9474-9480.	2.7	1
2	Photoinduced effects on the magnetic properties of the $(\text{Fe}_{0.2}\text{Cr}_{0.8})_{1.5}[\text{Cr}(\text{CN})_6]$ Prussian blue analogue. Journal of Materials Chemistry C, 2019, 7, 2305-2317.	2.7	6
3	Enantiopure Supramolecular Motifs of Self-Assembled Diamine-Based Chiral Molecules on Cu(100). Journal of Physical Chemistry C, 2018, 122, 24129-24136.	1.5	1
4	Enantiosensitive Bonding of Chiral Molecules on a Magnetic Substrate Investigated by Means of Electron Spectroscopies. Chimia, 2018, 72, 418.	0.3	3
5	Magnetic ordering in an $(\text{Fe}_{0.2}\text{Cr}_{0.8})_{1.5}[\text{Cr}(\text{CN})_6]$ Prussian blue analogue studied with synchrotron radiation based spectroscopies. Journal of Materials Chemistry C, 2018, 6, 8171-8186.	2.7	7
6	Soft x-ray absorption spectroscopy on Co doped ZnO: structural distortions and electronic structure. Journal of Physics: Conference Series, 2016, 712, 012104.	0.3	5
7	Towards a new class of heavy ion doped magnetic semiconductors for room temperature applications. Scientific Reports, 2015, 5, 17053.	1.6	19
8	Structural and magnetic properties of nickel antimony ferros spinels. Materials Chemistry and Physics, 2015, 158, 127-137.	2.0	3
9	Enantiospecific Spin Polarization of Electrons Photoemitted Through Layers of Homochiral Organic Molecules. Advanced Materials, 2014, 26, 7474-7479.	11.1	28
10	Spintronics: Enantiospecific Spin Polarization of Electrons Photoemitted Through Layers of Homochiral Organic Molecules (Adv. Mater. 44/2014). Advanced Materials, 2014, 26, 7531-7531.	11.1	0
11	Homogeneous and heterogeneous magnetism in $(\text{Zn},\text{Co})\text{O}$: From a random antiferromagnet to a dipolar superferromagnet by changing the growth temperature. Physical Review B, 2013, 88, .	1.1	43
12	Growth of SiC by PVT method in the presence of cerium dopant. Journal of Crystal Growth, 2013, 377, 88-95.	0.7	5
13	Direct observation of frozen moments in the NiFe/FeMn exchange bias system. New Journal of Physics, 2013, 15, 033016.	1.2	10
14	Soft Room-Temperature Ferromagnetism of Carbon-Implanted Amorphous $\text{Fe}_{93}\text{Zr}_7$ Films. Applied Physics Express, 2013, 6, 053001.	1.1	15
15	Element-specific characterization of heterogeneous magnetism in $(\text{Ga},\text{Fe})\text{N}$ films. Physical Review B, 2012, 85, .	1.1	13
16	Structural and magnetic properties of Mn ⁺ implanted silicon crystals studied using X-ray absorption spectroscopy techniques. Radiation Physics and Chemistry, 2011, 80, 1119-1124.	1.4	3
17	Description of the new I1011 beamline for magnetic measurements using synchrotron radiation at MAX-lab. Journal of Physics: Conference Series, 2010, 211, 012030.	0.3	23
18	Study of the Local Environment of Mn Ions Implanted in GaSb. Acta Physica Polonica A, 2010, 117, 286-292.	0.2	4

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19	Structural and magnetic properties of the molecular beam epitaxy grown MnSb layers on GaAs substrates. Journal of Applied Physics, 2009, 106, .	1.1	9
20	On the interface magnetism of thin oxidized Co films: orbital and spin moments. Journal of Physics Condensed Matter, 2009, 21, 124211.	0.7	9
21	Correlation of magnetism and structure for ultra thin Au/Co/Au films: Evidence for magnetoelastic effects. Journal of Physics: Conference Series, 2009, 190, 012113.	0.3	3
22	Experimental investigation of the spin reorientation of $\text{Co}_{1-x}\text{Au}_x$ based magnetic nanodot arrays. Physical Review B, 2008, 77, .	1.1	9
23	XANES Studies of Mn K and L _{2,3} Edges in the (Ga, Mn)As Layers Modified by High Temperature Annealing. Acta Physica Polonica A, 2008, 114, 357-366.	0.2	6
24	Influence of Ligand States on the Relationship between Orbital Moment and Magnetocrystalline Anisotropy. Physical Review Letters, 2007, 99, 177207.	2.9	124
25	Self-Organized Hexagonal Patterns of Independent Magnetic Nanodots. Advanced Materials, 2007, 19, 4375-4380.	11.1	32
26	Structure and magnetism of ultrathin epitaxial Fe on Ag(100). Physical Review B, 2006, 73, .	1.1	15
27	12th X-ray Absorption Fine Structure International Conference (XAFS12). Physica Scripta, 2005, T115, 17-17.	1.2	1
28	Imaging of magnetic nanodots on self-organized semiconductor substrates. Physical Review B, 2005, 71, .	1.1	11
29	Vanishing Magnetic Interactions in Ferromagnetic Thin Films. Physical Review Letters, 2005, 94, 217202.	2.9	12
30	Elliptically polarised soft x-rays produced using a local bump in MAX II – Characterisation of the degree of polarisation. AIP Conference Proceedings, 2004, , .	0.3	7
31	Local structure of monodisperse Co nanoparticles. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1207-E1209.	1.0	0
32	Spin and orbital moments in Au/Co/Au()/W() across the spin-reorientation transition-temperature. Nuclear Instruments & Methods in Physics Research B, 2003, 200, 210-214.	0.6	4
33	Structure and magnetism on in situ ultrathin epitaxial films: XMCD and EXAFS on Fe/Ag(). Surface Science, 2003, 532-535, 76-81.	0.8	0
34	Initial and final state effects in the x-ray absorption process of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2003, 68, .	1.1	21
35	Ratio of orbital-to-spin magnetic moment in Co core-shell nanoparticles. Physical Review B, 2003, 68, .	1.1	62
36	Ultrathin Co films on flat and vicinal Cu(111) surfaces: per atom determination of orbital and spin moments. Journal of Physics Condensed Matter, 2003, 15, S573-S586.	0.7	12

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37	Ultrathin Co films on flat and stepped Cu(111) surfaces: Determination of per atom orbital and spin moments. Journal of Applied Physics, 2002, 91, 6881.	1.1	3
38	Cap layer influence on the spin reorientation transition in Au/Co/Au. Physical Review B, 2002, 66, .	1.1	24
39	Molecular geometry modifications upon adsorption for N ₂ : N and O K-edge NEXAFS. Surface Science, 2001, 482-485, 15-20.	0.8	33
40	Soft X-ray magnetic circular dichroism in Fe and Fe 0.50 Co 0.48 V 0.02 films: quantitative analysis of transmission. European Physical Journal B, 2001, 23, 441-448.	0.6	8
41	High-resolution X-ray absorption spectra of the resonance of N ₂ directly physisorbed on Cu(100). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 1560-1563.	0.7	4
42	Quantitative analysis of L-edge white line intensities: the influence of saturation and transverse coherence. Journal of Synchrotron Radiation, 2001, 8, 437-439.	1.0	0
43	Magnetisation reorientation in ultra-thin Fe films on Cu(100) upon deposition of Co. Journal of Synchrotron Radiation, 2001, 8, 463-465.	1.0	0
44	Magnetic X-ray circular dichroism on in situ grown 3d magnetic thin films on surfaces. Journal of Synchrotron Radiation, 2001, 8, 120-124.	1.0	3
45	A circularly polarized X-ray study of the temperature-dependent spin-reorientation transition of thin Co films. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1675-1677.	1.0	4
46	Shape resonances of oriented molecules. Journal of Electron Spectroscopy and Related Phenomena, 2000, 113, 57-65.	0.8	9
47	On the temperature dependence of multiple- and single-scattering contributions in magnetic EXAFS. AIP Conference Proceedings, 2000, , .	0.3	1
48	Shape Resonances of Oriented Molecules: ab initio Theory and Experiment on Hydrocarbon Molecules. Physical Review Letters, 2000, 84, 614-617.	2.9	35
49	Influence of Source Coherence on X-Ray Absorption Spectroscopy. Physical Review Letters, 2000, 84, 1031-1034.	2.9	8
50	Surface EXAFS study of the p _{4g} (2 $\bar{2}$) reconstruction of C on Ni(100) and C on Ni films. Surface Science, 2000, 465, 187-197.	0.8	3
51	Vibrational fine structure in the N 1s π^* resonance of the N ₂ molecule physisorbed on the Cu(100) surface. Surface Science, 2000, 448, 261-268.	0.8	1
52	In Situ Magnetic-Circular-X-Ray-Dichroism Measurements: An Epitaxial Fe Wedge on Cu(100). MRS Bulletin, 1999, 24, 41-45.	1.7	1
53	Magnetic circular X-ray dichroism of metastable epitaxial Fe on Cu(1 0 0). Journal of Magnetism and Magnetic Materials, 1999, 196-197, 120-122.	1.0	3
54	Magnetic extended x-ray absorption fine structure at the edges of 3d elements. Journal of Physics Condensed Matter, 1998, 10, 1917-1930.	0.7	14

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55	Magnetic extended x-ray absorption fine structure at the L _{3,2} edges of Fe and Co on Cu(001). Journal of Applied Physics, 1998, 83, 7025-7027.	1.1	6
56	Evidence for photoelectron backscattering by interstitial charge densities. Journal of Physics Condensed Matter, 1997, 9, L427-L433.	0.7	18
57	Experimental determination of orbital and spin moments from MCXD on 3d metal overlayers. , 1996, , 145-157.		10
58	Magnetism of thin Fe films on Cu(100). Physical Review B, 1996, 54, R11157-R11160.	1.1	33
59	Bond length and adsorbate vibrations of (2 \bar{A} -3)N/Cu(110): A SEXAFS study. Physical Review B, 1996, 54, 5920-5926.	1.1	18
60	Modifications of the electronic and magnetic properties of ultrathin Ni/Cu(100) films induced by stepwise oxidation. Physical Review B, 1996, 53, 1076-1079.	1.1	38
61	Adsorbate-substrate bonding and dynamics as determined by SEXAFS. Journal of Electron Spectroscopy and Related Phenomena, 1995, 75, 149-159.	0.8	15
62	Local dynamics and local thermal expansion around light elements in the bulk and on surfaces. Physica B: Condensed Matter, 1995, 208-209, 267-268.	1.3	0
63	Pair potentials in the SEXAFS analysis. Physica B: Condensed Matter, 1995, 208-209, 431-435.	1.3	4
64	Local magnetism and element specific susceptibility for (100). Vacuum, 1995, 46, 1211-1214.	1.6	3
65	Ac susceptibility measurements of magnetic monolayers: MCXD, MOKE, and mutual inductance. Journal of Magnetism and Magnetic Materials, 1995, 146, 256-266.	1.0	71
66	Enhancement of Orbital Magnetism at Surfaces: Co on Cu(100). Physical Review Letters, 1995, 75, 1602-1605.	2.9	216
67	C60on Al(111): Covalent bonding and surface reconstruction. Physical Review B, 1995, 52, R5546-R5549.	1.1	75
68	An angle-dependent magnetic circular X-ray dichroism study of Co/Cu(100): experiment versus theory. Journal of Physics Condensed Matter, 1995, 7, 1111-1119.	0.7	57
69	Determination of bond lengths, atomic mean-square relative displacements, and local thermal expansion by means of soft-x-ray photoabsorption. Physical Review B, 1994, 49, 888-903.	1.1	128
70	Local magnetism of Co monolayers: A new type of magnetic circular x-ray dichroism measurement. Journal of Magnetism and Magnetic Materials, 1994, 135, L1-L6.	1.0	21
71	Temperature dependent MCXD measurements of thin Ni films on Cu(100). Surface Science, 1994, 307-309, 1096-1101.	0.8	52
72	Characterization of two different adsorption states for O on Cu(100). Ionic versus covalent bonding. Chemical Physics Letters, 1993, 211, 53-59.	1.2	21

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73	Alkali-metal-induced bond length contraction of acetonitrile (CH ₃ CN) on Au(100). <i>Chemical Physics Letters</i> , 1993, 201, 108-114.	1.2	12
74	A comparison of low-Z EXAFS experiment and ab initio calculations. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 6845-6856.	0.7	8
75	Adsorption of oxygen on Cu(100). I. Local structure and dynamics for two atomic chemisorption states. <i>Physical Review B</i> , 1993, 48, 15390-15404.	1.1	90
76	Structural determination of c(2 $\sqrt{2}$ -2)N/Cu(100): A multiple-scattering surface-EXAFS study. <i>Physical Review B</i> , 1993, 48, 11277-11286.	1.1	62
77	Adsorption of oxygen on Cu(100). II. Molecular adsorption and dissociation by means of OK-edge x-ray-absorption fine structure. <i>Physical Review B</i> , 1993, 48, 15405-15416.	1.1	44
78	The Adsorption of O ₂ Molecules on Cu(100): Evidence for Enhanced Disorder and Anharmonicity. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 371.	0.8	9
79	Bonding on Surfaces: The SEXAFS Point of View. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 337.	0.8	11
80	Improved Distance Determination in Oxygen EXAFS: Soft X-ray Fluorescence Measurements versus Theoretical Standards. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 137.	0.8	9
81	Quantitative Fluorescence EXAFS Analysis of Concentrated Samples—Correction of the Self-Absorption Effect. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 144.	0.8	19
82	Core-level spectroscopy of physisorbed ethylene: Symmetry of electronic excitations and molecular orientations. <i>Physical Review B</i> , 1992, 45, 1518-1521.	1.1	11
83	Full correction of the self-absorption in soft-fluorescence extended x-ray-absorption fine structure. <i>Physical Review B</i> , 1992, 46, 3283-3289.	1.1	424
84	High resolution x-ray absorption spectroscopy of linear hydrocarbons adsorbed on noble metal surfaces. <i>Journal of Chemical Physics</i> , 1992, 96, 1560-1573.	1.2	49
85	The resonance and its vibrational broadening of unperturbed and adsorbed C ₂ H ₄ molecules. <i>Surface Science</i> , 1992, 269-270, 270-275.	0.8	13
86	A study of the self-absorption effect in the fluorescence yield of NiO at the oxygen K-edge. <i>Solid State Communications</i> , 1992, 82, 1-5.	0.9	21
87	Anomaly of the oxygen local environment in YBa ₂ Cu ₃ O ₇ around T _c . <i>Solid State Communications</i> , 1991, 79, 479-482.	0.9	4
88	The Vibrational Fine Structure of Chemisorbed C ₂ H ₄ Molecules in the (1s-1, $\tilde{\nu}^*$) State. <i>Physica Scripta</i> , 1990, T31, 131-136.	1.2	25
89	Quantitative analysis of the NEXAFS for chemisorbed C ₂ H ₄ molecules. <i>Physica Scripta</i> , 1990, 41, 846-849.	1.2	12
90	Rydberg and multiple electron excitations of N ₂ adsorbed on Fe(111): a NEXAFS study. <i>Physica Scripta</i> , 1990, 41, 1028-1030.	1.2	5

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91	Enhanced anharmonicity in the interaction of low-Z adsorbates with metal-surfaces. Physical Review Letters, 1990, 64, 1765-1768.	2.9	63
92	Wenzelet al. reply. Physical Review Letters, 1990, 65, 1522-1522.	2.9	2
93	Comparative study of fluorescence- and electron-yield detection on YB ₂ Cu ₃ O ₇ at the O K-edge through x-ray absorption. Physical Review B, 1990, 41, 7297-7300.	1.1	33
94	Rydberg and multiple-electron excitations in x-ray photoabsorption spectra of N ₂ adsorbed on Fe(111). Physical Review B, 1989, 40, 6409-6412.	1.1	30
95	Intramolecular resonances after K-shell excitation of C ₂ H ₂ n adsorbed on Ag and Cu(100) surfaces. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1989, 11, 219-229.	1.0	35
96	Adsorbate-induced reconstruction on transition-metal and noble-metal surfaces. Physica B: Condensed Matter, 1989, 158, 634-636.	1.3	0
97	Carbon-carbon EXAFS for chemisorbed hydrocarbons on a metal substrate. Physica B: Condensed Matter, 1989, 158, 649-650.	1.3	0
98	Multiple scattering effects in low Z SEXAFS. Physica B: Condensed Matter, 1989, 158, 651-652.	1.3	1
99	High resolution photoabsorption spectroscopy at the carbon K-Edge. Applied Physics A: Solids and Surfaces, 1989, 49, 393-397.	1.4	14
100	Vibrational Anisotropy and Anharmonicity of N Atoms Bonded to Ni(100). Physical Review Letters, 1988, 60, 2327-2330.	2.9	32
101	Multiple-scattering effects in surface extended x-ray absorption fine structure. Physical Review B, 1988, 37, 7143-7146.	1.1	31
102	Structural determination of an adsorbate-induced surface reconstruction: p4g(2Å ⁻²)N versus c(2Å ⁻²)O on Ni(100). Physical Review B, 1987, 36, 7689-7692.	1.1	127
103	Identification of C ¹³ H resonances in the K-shell excitation spectra of gas-phase, chemisorbed, and polymeric hydrocarbons. Physical Review B, 1987, 36, 2976-2979.	1.1	121
104	Direct Evidence of a Stretched C-C Distance for C ₂ H ₂ and C ₂ H ₄ on Cu(100) at 60 K. Physical Review Letters, 1987, 59, 2435-2438.	2.9	68
105	Carbon K-edge structure of chemisorbed molecules by means of fluorescence detection. Surface Science, 1986, 177, 114-120.	0.8	44
106	Position of the $\tilde{\nu}_f$ -shape and $\tilde{\nu}_e$ resonances of C ₂ H ₂ , C ₂ H ₄ and C ₂ H ₆ on Cu(100) at 60 K: A NEXAFS study. Surface Science, 1986, 178, 686-692.	0.8	94
107	Local bonding geometry of O(2Å ⁻¹) on Ni(110): A surface extended x-ray-absorption fine-structure study. Physical Review B, 1986, 33, 5910-5913.	1.1	54
108	Experimental study of the chemisorbed state of C ₂ H ₂ , C ₂ H ₄ , and C ₂ H ₆ on noble-metal surfaces. Physical Review Letters, 1986, 57, 3175-3178.	2.9	103

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109	A NEW TECHNIQUE FOR SUBMONOLAYER NEXAFS : FLUORESCENCE YIELD AT THE CARBON K EDGE. Journal De Physique Colloque, 1986, 47, C8-173-C8-178.	0.2	7
110	Triad anisotropy of spin glasses and torque experiments (invited). Journal of Applied Physics, 1984, 55, 1640-1645.	1.1	25
111	Critical Line for Strong Irreversibility in Spin-Glass and Ferro-Spin-Glass Alloys. Physical Review Letters, 1983, 51, 57-60.	2.9	44
112	How to change or remove the anisotropy of spin glasses, with some other reflections on the anisotropy problem. Journal De Physique (Paris), Lettres, 1983, 44, 345-350.	2.8	18