
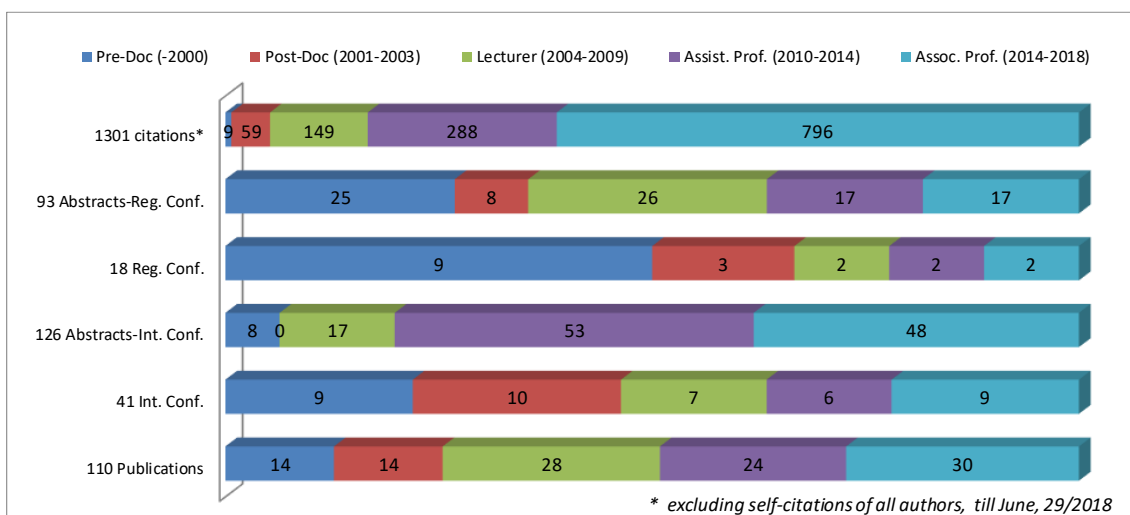


Short Curriculum Vitae

	Name	Makis ANGELAKERIS
	Personal Info	Born 15/03/1967, Married since 2005, father of one son
	Current Post	Associate Professor, Physics Department, Aristotle University of Thessaloniki
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Studies	<ul style="list-style-type: none"> • PhD, Physics Department, AUTH (2000) • BSc, Physics Department, AUTH (1990) 	
Scientific Topics	<ul style="list-style-type: none"> • Synthesis of metallic (mainly magnetic) and semiconductor thin films, multilayers and nanoparticles • Structural, magnetic, electric, magneto-optic characterization of magnetic nanostructures • Biomagnetism applicability focusing on Magnetic Particle Hyperthermia and Magneto Mechanical Stress 	
Scientific Overview	<ul style="list-style-type: none"> • 110 publications in peer review International Journals • 103 abstracts in International Conference Proceedings • 90 abstracts in Local Conference Proceedings • 20 invited presentations • 1165 Citations (<i>excluding self-citations out of 1695 citations, h-index: 23, Nov,29/2017 in scopus</i>) • Referee in 10 International peer-review scientific journals (12-20 manuscripts annually) • Supervisor in 3 PhD, in 15 MSc and 17 BSc theses, Advisory committee member in 6 PhD theses • 11 participations in research projects • 5 participations in conference organization • Guest Editor in 4 special issues • Sabbatical leave (Sep. 2011-Aug.12) at AG Farle, Physics Department, University Duisburg-Essen-Germany. 	



More info on my research may be sought in my group's web page
<http://magnacharta.physics.auth.gr>

More info on my teaching activities may be sought in my personal web page
<http://users.auth.gr/agelaker>

Invited Presentations

1. «Ag-Co multilayers: From film growth to GMR sensor», Group Seminar- AG Baberschke, Freie Universitat, Berlin-Germany, July 11, 2000.
2. «GMR study leading to sensor fabrication on the Ag-Co system», Laboratoire de Cristallographie, CNRS, Grenoble-France, July 28, 2001.
3. «Study of the magnetoresistance mechanisms in Pd- Ni multilayer system», 1st Seeheim Conference on Magnetism, Seeheim-Germany, September 9-13 2001.
4. «Magnetic nanostructures: Growth, characterization, perspectives», Summer School on Physics of Advanced Materials, Thessaloniki-Greece, June 30-July 11 2003.
5. «Quantitative Magnetic Analysis of Nanostructures», International Summer School & 4th Workshop on 'Synthesis and Orbital Magnetism of core-shell nanoparticles within the framework of the EU funded RTN project SyntOrbMag, Thessaloniki-Greece, September 26-October 1, 2006.
6. «The effect of intentional alloying in the magnetism of XPt (X=Fe, Co) based Nanostructures», 8th International Workshop on Synthesis and Orbital Magnetism of core-shell nanoparticles Mittelwihr-Colmar-France, October 24-25, 2008.
7. «Magnetic hyperthermia: In the quest of the proper nanoparticle agent», Institut de Ciència de Materials de Barcelona-Spain, July 12, 2010.
8. «Magnetic properties of nanoparticles useful in biomedical applications», Experimentalphysik-AG Farle, Fachbereich Physik, Universitaet Duisburg-Essen, October 28, 2011.
9. «Design rules for magnetic nanoparticles in medical applications», 23. Edgar Lüscher Seminar 2012, Klosters-Switzerland, February 04-10, 2012.
10. «Magnetic Nanoparticles: Biomedical Applicability as heating mediators» in 4th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS2014), Oludeniz-Turkey, April 24-27, 2014.
11. «Nanoscale magnetism and its biomedical applicability» in 30th Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete-Greece, September 21-24, 2014.
12. «Biomedical Nanomagnetism: Advances, current trends and challenges», International Baltic Conference on Magnetism: Focus on Biomedical Aspects, Svetlogorsk-Kallinigrad-Russia, August 30-September 03, 2015.
13. «Magnetic nanoparticles: A multifunctional vehicle for modern theranostics» in 6th Zing Bionanomaterials Conference, Varna-Bulgaria, May 08-11, 2016.
14. «1. Applications of Nanomaterials in Medicine, 2. Biomedical Nanomagnetism: Advances, Current Trends and Challenges, 3. Magnetic Hyperthermia: A versatile platform for heat-triggered Modalities» in 3rd PAM International School on Application of Nanomaterials in Medicine, Sharif University of Technology, Tehran-Iran, November 02 – 04, 2016.
15. «Cancer Cell Fate Control By Magneto-Mechanical Treatments» in COST EMF-MED Workshop on Non-Thermal EMF Cancer Treatment, Warsaw-Poland, February 15, 2017.
16. «Which are the best nanoparticles for hyperthermia» in 31st annual meeting of the European Society for Hyperthermic Oncology: ESHO 2017, Athens-Greece, June 21-23, 2017.
17. «From particles to oriented assemblies: Effects on magnetism and applicability» in International Baltic Conference on Magnetism (IBCM): Focus on functionalized magnetic structures for energy and biotechnology, Svetlogorsk-Kallinigrad-Russia, August 20–24, 2017.
18. «Magnetic Nanoparticles: A multifunctional vehicle in modern theranostics» in 3rd ENMF: Exploring Novel Medical Frontiers, Thessaloniki-Greece, 26-28 January 2018.
19. «Control of cancer cell fate by magnetically driven treatments» in COST-Radiomag, Firenze-Italy, 16-18 October 2018.
20. «Nanomagnetism & Biomedical applicability», EETSY Workshop: Materials at the Nanoscale, Thessaloniki-Greece, November 03-04, 2018

Projects underway

1. ELIDEK: Magnetic nanoparticle arrays: Assembly, Properties, Applications, Scholarship for PhD student: (8 months: 2017-2018)
2. ESPA2014-20: EBDM34: Exploitation of field effects in adequate nanoparticle carriers for modern biological applications (approved for funding: 15 months: 2018-2020)

Reviewer

International peer-review journals: (12-20 manuscripts/year)

Physical Review Letters and Physical Review B, Sensors and Actuators A, Journal of Physics D: Applied Physics, Materials Science and Engineering C, Journal of Magnetism and Magnetic Materials, ACS Nano, Journal of Alloys and Compounds, Journal of Physical Chemistry.

Guest Editor

- *Modern Physics Letters. B Vol.21 Num.18 August 2007.*
- *IEEE Transactions on Magnetics 48, 4 2012.*
- *Journal of Nanomaterials: Special Issue on "Magnetic Interfaces at the Nanoscale: From Fundamentals to Technological Applications", 2012.*
- *A special issue on Surfaces, Interfaces and Modern Trends on Magnetic Materials in Journal of Surfaces and Interfaces of Materials, Vol.2-Num1, 2014*

Publications in peer-review international journals

(⊗: special peer-reviewed journal issues, *: *corresponding author*)

- B01**⊗. «Magnetic Properties of Co-based multilayers with Layer-Alloyed Modulations», P. Pouloupoulos, **M. Angelakeris**, D. Niarchos, R. Krishnan, M. Porte, C. Batas and N.K. Flevaris: *J. Magn. Magn. Mater.* **148**, 78 (1995).
- B02**⊗. «Magneto-optic spectroscopic Kerr effect in Co-based multilayers with Layer-Alloyed modulation», **M. Angelakeris**, P. Pouloupoulos, N.K. Flevaris, R. Knapek, M. Nyvlt, V. Prosser and S. Visnovsky: *J. Magn. Magn. Mater.* **140-144**, 579 (1995).
- B03**⊗. «Modulation-induced effects in Pt-Ni multilayers: enhanced magnetization, perpendicular anisotropy and its instability», P. Pouloupoulos, **M. Angelakeris**, D. Niarchos and N.K. Flevaris: *J. Magn. Magn. Mater.* **140-144**, 613 (1995).
- B04**. «Infrared spectroscopic and electronic transport properties of polycrystalline semiconducting FeSi₂ thin films grown from vapor-deposited Fe/Si multilayers», D.H. Tassis, C.L. Mitsas, T.T. Zorba, C.A. Dimitriadis, O. Valassiades, D.I. Siapkias, **M. Angelakeris**, P. Pouloupoulos, N.K. Flevaris and G. Kiriakidis: *J. Appl. Phys.* **80**, 962 (1996).
- B05**. «Optical and electrical characterization of high-quality β-FeSi₂ thin films grown by solid phase epitaxy», D. H. Tassis, C. L. Mitsas, T. T. Zorba, **M. Angelakeris**, C. A. Dimitriadis, O. Valassiades, D.I. Siapkias, G. Kiriakidis, *Appl. Surf. Sci.* **102**, 178 (1996).
- B06**. «Structural and spectroscopic magneto-optic studies of Pt-Ni multilayers», **M. Angelakeris**, P. Pouloupoulos, N. Vouroutzis, R. Knapek, V. Prosser, S. Visnovsky, R. Krishnan and N.K. Flevaris: *J. Appl. Phys.* **82**, 5640 (1997).
- B07**⊗. «Structural and giant magnetoresistance characterisation of Ag-Co multilayers», **M. Angelakeris**, P. Pouloupoulos, O. Valassiades, J. Stoemenos, O. Kalogirou, D. Niarchos and N.K. Flevaris: *J. Magn. Magn. Mater.* **165**, 334 (1997).
- B08**⊗. «Instability of perpendicular-magnetization hysteresis features in Pt-Ni and Pd-[CoPd] multilayers», P. Pouloupoulos, **M. Angelakeris**, D. Niarchos and N.K. Flevaris in: *Magnetic Hysteresis in Novel Magnetic Materials*, G. Hadjipanayis, editor, Kluwer Academic Publishers, The Netherlands (1997), pp. 533-536.
- B09**⊗. «HREM study of ultrathin Titanium films», T. Braisaz, P. Ruterana, G. Nouet, Ph. Komninou, Th. Kehagias, Th. Karakostas, P. Pouloupoulos, M. Aggelakeris, N. Flevaris and A. Serra: *Mat. Res. Soc. Symp. Proc. Vol.* **472**, p. 391 (1997).

- B10.** «Low-Frequency Noise in β -FeSi₂/n-Si heterojunctions», D. H. Tassis, C. A. Dimitriadis, J. Brini, G. Kamarinos, **M. Angelakeris** and N.Flevaris: *Appl.Phys.Let.* **72**, 713 (1998).
- B11**[⊗]. «Nanocrystalline thin titanium films grown on potassium bromide single crystals», T. Braisaz, P. Ruterana, G. Nouet, Ph. Komninou, Th. Kehagias, Th. Karakostas, P. Pouloupoulos, M. Aggelakeris, N. Flevaris and A. Serra: *Thin Solid Films* **319**, 140 (1998).
- B12.** «Magnetic anisotropy energy and the anisotropy of the orbital moment of Ni in Ni/Pt multilayers», F. Wilhelm, P. Pouloupoulos, P. Srivastava, H. Wende, M. Farle, K. Baberschke, **M. Angelakeris**, N.K. Flevaris, W. Grange, J.-P. Kappler, G. Ghiringhelli and N.B. Brookes: *Phys. Rev.* **B61**, 8647 (2000).
- B13.** «Layer-resolved magnetic moments in Ni/Pt multilayers», F. Wilhelm, P. Pouloupoulos, G. Ceballos, H. Wende, K. Baberschke, P. Srivastava, D. Benea, H. Ebert, **M. Angelakeris**, N.K. Flevaris, D. Niarchos, A. Rogalev and N.B. Brookes: *Phys. Rev. Let.* **85**, 413 (2000).
- B14.** «Improved growth and perpendicular anisotropy in Pd-Co multilayers with intentionally alloyed layers», P. Pouloupoulos, **M. Angelakeris**, Th. Kehagias, D. Niarchos and N. K. Flevaris: *Thin Solid Films* **371**, 225 (2000).
- B15.** «X-ray magnetic circular dichroic magnetometry on Ni/Pt multilayers», P. Pouloupoulos, F. Wilhelm, H. Wende, G. Ceballos, K. Baberschke, D. Benea, H. Ebert, **M. Angelakeris**, N.K. Flevaris, A. Rogalev and N.B. Brookes: *J. Appl. Phys.* **89**, 3874 (2001).
- B16**^{⊗*}. «GMR study leading to sensor fabrication on Ag-Co multilayers», **M. Angelakeris**, P.Pouloupoulos, O. Valassiades, N.K. Flevaris, D. Niarchos and A. Nassiopoulou: *Sensors and Actuators A91*, 180 (2001).
- B17.** «Systematics of the induced magnetic moments in 5d layers and the violation of the third Hund's rule», F. Wilhelm, P. Pouloupoulos, H. Wende, A. Scherz, K. Baberschke, **M. Angelakeris**, N.K. Flevaris and A. Rogalev: *Phys. Rev. Let.* **87**, 207202 (2001).
- B18**^{⊗*}. «Study of the magnetoresistance mechanisms in Pd-Ni multilayer system», **M. Angelakeris** and N.K.Flevaris: *Phys. Stat. Sol. (a)* **189**, 433 (2002).
- B19**[⊗]. «Temperature-dependent magnetizations and anisotropies in Pd-Ni multilayers», E. Th. Papaioannou, P. Pouloupoulos, **M. Angelakeris**, K. S. Zeimpekis and N.K.Flevaris: *Phys. Stat. Sol. (a)* **189**, 717 (2002).
- B20**^{⊗*}. «Influence of Pt-doping on structure, magnetic and magnetotransport properties of granular Ag-Co multilayers», **M. Angelakeris**, P. Pouloupoulos, N. Vouroutzis, A. Mantzari, K. Karambeti, V. Kalaitzidis, O. Valassiades and N.K. Flevaris: *J. Magn. Magn. Mater.* **240**, 488 (2002).
- B21.** «Microwave magnetoresistance of Fe/Cr superlattices for current passing perpendicular to the plane of layers», V. V. Ustinov, A. B. Rinkevich, L. N. Romashev, **M. Angelakeris**, N.Vouruttsis: *Phys. Metals Metallogr.* **93**, 422 (2002).
- B22**[⊗]. «Interface magnetism in 3d/5d multilayers probed by x-ray magnetic circular dichroism», F. Wilhelm, P. Pouloupoulos, A. Scherz, H. Wende, K. Baberschke, **M. Angelakeris**, N.K. Flevaris, J. Goulon, A. Rogalev: *Phys.Stat.Sol. (a)* **196**, 33 (2003).
- B23**^{⊗*}. «Giant magnetoresistance response in Ag-Co multilayers and nanoparticles», **M. Angelakeris**, E.Th. Papaioannou, P. Pouloupoulos, O. Valassiades and N.K. Flevaris: *Sensors and Actuators A*, **106**, 91 (2003).
- B24**[⊗]. «Anisotropies in ferromagnetic nanoparticles: simulation and experimental approach», O. Crisan, **M. Angelakeris**, N.K. Flevaris, N. Sobal, M. Giersig: *Sensors and Actuators A* **106**, 130 (2003).
- B25.** «Systematics of the induced magnetic moments in 5d layers and the violation of the third Hund's rule: Reply to the Comment of R. Tyer et al. », F. Wilhelm, P. Pouloupoulos, H. Wende, A. Scherz, K.Baberschke, **M. Angelakeris**, N.K. Flevaris and A. Rogalev: *Phys. Rev. Let.* **90**, 129702 (2003).
- B26**[⊗]. «Magnetism and anisotropy in core-shell nanoparticles», O. Crisan, **M. Angelakeris**, N.K. Flevaris and G. Filoti, *J. Opt. & Adv. Mater.* **5**, 959 (2003).
- B27**^{*}. Structural, magnetic and spectroscopic magneto-optic property aspects of Pt-Co multilayers with intentionally alloyed layers», P. Pouloupoulos, **M. Angelakeris**, E. Th. Papaioannou, N.K. Flevaris, D. Niarchos, M. Nyvlt, V. Prosser, S. Visnovsky, Ch. Mueller, P. Fumagalli, F. Wilhelm and A. Rogalev: *J. Appl.Phys.* **94**, 7662 (2003).
- B28**^{⊗*}. «Fabrication of novel magnetic nanostructures by colloidal bimetallic nanocrystals and multilayers», **M. Angelakeris**, O. Crisan, E. Papaioannou, N. Vouroutzis, I. Tsiaoussis, E. Pavlidou, A.D.Crisan, I. Kostic, N. Sobal, M. Giersig and N.K. Flevaris: *Materials and Science Engineering C* **23**, 873 (2003).

- B29**[⊗]. «Element-specific hysteresis loops and the anisotropy of the orbital moment of Pt in Ni/Pt multilayers», P. Pouloupoulos, F. Wilhelm, Z. Li, H. Wende, K. Baberschke, **M. Angelakeris**, N.K. Flevaris, A. Rogalev and N.B. Brookes: *J. Magn. Magn. Mater.* **272-276**, 317 (2004).
- B30**^{⊗*}. «Correlation of structure and magnetism of AgCo nanoparticle arrays», O. Crisan, **M. Angelakeris**, M. Noguès, Th. Kehagias, Ph. Komninou, N. Sobal, M. Giersig and N.K. Flevaris: *J. Magn. Magn. Mater.* **272-276**, E1253 (2004).
- B31**^{⊗*}. «The influence of patterned substrates on structure and magnetism of Au/Co multilayers», **M. Angelakeris**, E. Papaioannou, O. Valassiades, N. Vouroutzis, I. Tsiaoussis, Ch. Mueller, P. Fumagalli, I. Kostic, L. Matay and N.K. Flevaris: *J. Magn. Magn. Mater.* **272-276**, E1317 (2004).
- B32**^{⊗*}. «Measurements of the magnetoresistance effect in Co/Pt multilayers grown on patterned substrates», E. Papaioannou, K. Simeonidis, O. Valassiades, N. Vouroutzis, **M. Angelakeris**, P. Pouloupoulos, I. Kostic and N.K. Flevaris: *J. Magn. Magn. Mater.* **272-276**, E1323 (2004).
- B33**^{⊗*}. «Magnetic nanostructures obtained by colloidal crystallization onto patterned substrates», O. Crisan, **M. Angelakeris**, E. Papaioannou, A.D. Crisan, N.K. Flevaris, N. Vouroutzis, E. Pavlidou, I. Kostic, N. Sobal and M. Giersig: *J. Magn. Magn. Mater.* **272-276**, E1285 (2004).
- B34**. «Magnetic moment of Au at Au/Co interfaces: A direct experimental determination», F. Wilhelm, **M. Angelakeris**, N. Jaouen, P. Pouloupoulos, E. Th. Papaioannou, Ch. Mueller, P. Fumagalli, A. Rogalev and N.K. Flevaris: *Phys. Rev. B* **69**, 220404(R) (2004).
- B35**[⊗]. «CoCr-based alloys: Pt and Ta induced magnetic moments probed by X-ray magnetic circular dichroism», P. Pouloupoulos, F. Wilhelm, V. Kapaklis, N. Jaouen, **M. Angelakeris**, A. Rogalev, and C. Politis: *Phys. stat. sol. (a)*, **201** 3243-3246 (2004).
- B36**[⊗]. «Ni/Pt multilayers: growth and magneto-optics», E. Th. Papaioannou, P. Fumagalli, **M. Angelakeris**, P. Pouloupoulos, V. Karoutsos, V. Kapaklis, F. Wilhelm, C. Politis and N.K. Flevaris: *Phys. stat. sol. (c)* **1**, No. **12**, 3324–3327 (2004).
- B37**[⊗]. «Monte Carlo simulation study of magnetic behavior of core-shell bimetallic nanoparticles», O. Crisan, E.E. Tornau, V. Petrauskas and M. Angelakeris: *Phys. stat. sol. (c)* **1**, No. **12**, 3760–3763 (2004).
- B38**[⊗]. «Growth and optical absorption of thin ZnSe films», P. Pouloupoulos, S. Baskoutas, V. Karoutsos, M. Angelakeris and N. K. Flevaris: *Journal of Physics: Conference Series* **10** 259–262 (2005).
- B39**[⊗]. «Magnetic properties of nanostructured materials: Monte Carlo Simulation and Experimental Approach for Nanocrystalline Alloys and Core-Shell Nanoparticles», O. Crisan, J.-M. Greneche, Y. Labaye, L. Berger, A. D. Crisan, **M. Angelakeris**, J. M. Lebreton, N. K. Flevaris in *NATO Science Series II: Mathematics, Physics and Chemistry* **184**, Springer Verlag (2005) pp. 253-266.
- B40**. «Strong quantum confinement effects in thin zinc selenide films», S. Baskoutas, P. Pouloupoulos, V. Karoutsos, **M. Angelakeris**, N.K. Flevaris: *Chem. Phys. Let.* **417** 462–465 (2006).
- B41**^{*}. «Critical radius for exchange bias in naturally oxidized Fe nanoparticles», C. Martínez-Boubeta, K. Simeonidis, **M. Angelakeris**, N. Pazos-Pérez, M. Giersig, A. Delimitis, L. Nalbandian, V. Alexandrakis and D. Niarchos: *Phys. Rev. B* **74** 054430 (2006).
- B42**. «Structure effects on the magnetism of AgCo nanoparticles», O. Crisan, **M. Angelakeris**, K. Simeonidis, Th. Kehagias, Ph. Komninou, M. Giersig, N. K. Flevaris: *Acta Materialia* **54** 5251–5260 (2006).
- B43**^{⊗*}. «Controlled synthesis and phase characterization of Fe-based nanoparticles obtained by thermal decomposition», K. Simeonidis, S. Mourdikoudis, M. Moulla, I. Tsiaoussis, C. Martínez-Boubeta, **M. Angelakeris**, C. Dendrinou-Samara and O. Kalogirou: *J. Magn. Magn. Mater.* **316**, Issue 2, e1-e4 (2007).
- B44**. «Magnetism and magneto-optics of nanocrystalline Ni/Pt multilayers grown by e-beam evaporation at room temperature», E. Th. Papaioannou, **M. Angelakeris**, N. K. Flevaris, P. Fumagalli, Ch. Mueller, A. Troupis, A. Spanou, V. Karoutsos, and P. Pouloupoulos, V. Kapaklis and C. Politis: *J. Appl. Phys.* **101** 023913 (2007).
- B45**. «Hybrid approach to the synthesis of FePt/Fe₃B nanocomposite magnets», O. Crisan, **M. Angelakeris**, Th. Kehagias, G. Filoti: *J. Opt. & Adv. Mater.* **9**, 2734 (2007).
- B46**. «Electromagnetic waves penetration and magnetic properties of AgPt/Co nanostructures», A. Rinkevich, L. Romashev, M. Milyaev, E. Kuznetsov, **M. Angelakeris** and P. Pouloupoulos: *J. Magn. Magn. Mater.* **317**, 15-19 (2007).

- B47.** «Structural, magnetic and magneto-optical properties of nanocrystalline face centered cubic Co₇₀Cr₃₀/Pt multilayers with perpendicular magnetic anisotropy», E. Th. Papaioannou, **M. Angelakeris**, P. Pouloupoulos, I. Tsiaoussis, C. Rüdtt, P. Fumagalli and N.K. Flevaris: *J. Nanosci. Nanotech.* **7** 4278–4284 (2007).
- B48.** «Growth modes of nanocrystalline Ni/Pt multilayers with deposition temperature», V. Karoutsos, P. Papatotiriou, P. Pouloupoulos, V. Kapaklis, C. Politis, **M. Angelakeris**, Th. Kehagias, N.K. Flevaris and E. Th. Papaioannou: *J. Appl. Phys.* **102** 043525 (2007).
- B49**[⊗]. «Oxidation process of Fe nanoparticles», K. Simeonidis, S. Mourdikoudis, I. Tsiaoussis, N. Frangis, **M. Angelakeris**, O. Kalogirou, A. Delimitis and C. Dendrinou-Samara: *Mod. Phys. Let. B* **21** 1143 (2007).
- B50**[⊗]. «Effect of air exposure on structural and magnetic features of FeCo nanoparticles», S. Mourdikoudis, K. Simeonidis, **M. Angelakeris**, I. Tsiaoussis, O. Kalogirou, C. Desvaux, C. Amiens and B. Chaudret: *Mod. Phys. Let. B* **21** 1161(2007).
- B51**[⊗]. «Annealing effect on the induced magnetism of Platinum in FePt nanoparticles», F. Wilhelm, A. Rogalev, P. Pouloupoulos, **M. Angelakeris**, J. Tsiaoussis, K. Simeonidis, S. Mourdikoudis and O. Kalogirou: *Mod. Phys. Let. B* **21** 1189 (2007).
- B52**[⊗]. «Magnetic moments of Fe and Y in the FeBY glass forming system», P. Pouloupoulos, S. Baskoutas, L.F Kiss, L. Bujdosó, T. Kemény, F. Wilhelm, A. Rogalev, V. Kapaklis, C. Politis, **M. Angelakeris**, K. Saks: *J. Non-crystal. sol.* **354** 587–591 (2008).
- B53.** «Magnetic, magneto-optic and magnetotransport properties of nanocrystalline Co/Au multilayers with ultrathin Au interlayers», E. Th. Papaioannou, V. Karoutsos, **M. Angelakeris**, O. Valassiades, P. Fumagalli, N.K. Flevaris and P. Pouloupoulos: *J. Nanosci. Nanotech.* **8** 4323-4328 (2008).
- B54.** «Structural and magnetic features of heterogeneously nucleated Fe-oxide nanoparticles», K. Simeonidis, S. Mourdikoudis, I. Tsiaoussis, **M. Angelakeris**, C. Dendrinou-Samara, and O. Kalogirou: *J. Magn. Magn. Mater.* **320** (9) 1631–1638 (2008).
- B55.** «CoCr/Pt multilayers with adjustable perpendicular anisotropy», E. Th. Papaioannou, K. Lenz, M. Charilaou, P. Fumagalli, P. Pouloupoulos, **M. Angelakeris**, N.K. Flevaris, F. Wilhelm and A. Rogalev: *J. Appl. Phys.* **103** 093905-1-7 (2008).
- B56**^{⊗*}. «Pt-Co multilayers: Interface effects at the monolayer limit», **M. Angelakeris**, E.Th. Papaioannou, P. Pouloupoulos, A. Vlachos, F. Wilhelm, A. Rogalev and N. K. Flevaris: *Phys.Stat. Sol (a)* **205** 2302- 2306 (2008).
- B57.** «Thermal treatment effects in the self-assembly of FePt nanoparticle arrays», K. Simeonidis, S. Mourdikoudis, I. Tsiaoussis, C. Dendrinou-Samara, **M. Angelakeris** and O. Kalogirou: *J. Magn. Magn. Mater.* **320** (21) 2665-2671 (2008).
- B58.** «Impact of synthesis parameters on structural and magnetic characteristics of Co-based nanoparticles», S. Mourdikoudis, K. Simeonidis, I. Tsiaoussis, C. Dendrinou-Samara, **M. Angelakeris**, O. Kalogirou: *J. Nanopart. Res.* **11**,1477-1484 (2009).
- B59**[⊗]. «Magnetic Force Microscopy on Co/Pt multilayers», V. Karoutsos, P. Pouloupoulos, **M. Angelakeris**, E.Th. Papaioannou, P. Fumagalli and N.K. Flevaris: *Solid State Phenomena* **152-153** 241-244 (2009).
- B60.** «Controlling the crystal structure of Ni nanoparticles by the use of alkylamines», S. Mourdikoudis, K. Simeonidis, A. Vilalta-Clemente, F. Tuna, I. Tsiaoussis, **M. Angelakeris**, C. Dendrinou-Samara and O. Kalogirou: *J. Magn. Magn. Mater.* **321**, 2723–2728 (2009).
- B61.** «Tailoring the morphology of Co_xPt_{1-x} magnetic nanostructures», S. Mourdikoudis, K. Simeonidis, K. Gloystein, **M. Angelakeris**, C. Dendrinou-Samara, I. Tsiaoussis and O. Kalogirou: *J. Magn. Magn. Mater.* **321**, 3120-3125 (2009).
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