List of Publications

(Dr. rer. nat. Florin RADU)

September 5, 2018

ResearcherID: B-6725-2011

Books and Reviews:

1. ***Ferrimagnetic Heterostructures for Applications in Magnetic Recording***
   Florin Radu, Jaime Sánchez-Barriga
   Book chapter in *:* **Advanced Nanomaterials, Novel Magnetic Nanostructures**, edited by Natalia Domracheva, Maria Caporali, Eva Rentschler
   Amsterdam: Elsevier, 2018, pp. 267-331

2. ***Methods for Probing Magnetic Films with Neutrons***
   S. V. Kozhevnikov*, F. Ott, and F. Radu
   Physics of Particles and Nuclei **49***, 308-330 (2018)*

3. ***Neutron methods for the direct determination of the magnetic induction inthick films***
   S. V. Kozhevnikov*, F. Ott, and F. Radu
   Journal of Magnetism and Magnetic Materials ***402****, 83-93 (2016)*

4. Book chapter in *Springer: Tracts on Materials Science:* **"Magnetic Heterostructures, Advances and Perspectives in Spinstructures and Spintransport"**, edited by Hartmut Zabel and Samuel D. Bader
   Exchange bias effect of ferro-/antiferromagnetic heterostructures
   Florin Radu and Hartmut Zabel,
   Springer Tracts in Modern Physics ***227****, pp. 97-184, (2008)*

Patents:

5. ***Röntgenstrahldetektor***
   H. Ryll and F. Radu
   HZB2018/06/01 DE

6. ***Verfahren zur Kalibration eines Plangittermonochromators***
   F. Eggenstein and F. Radu
   HZB2018/01/01 DE

7. ***Spin Valve***
   F. Radu
   US Patent App 14/383,131 (2015)
   DE Patent App DE102012005134 (2013)

Articles:

8. ***Element-specific magnetic properties of mixed 3d-4 f metallacrowns***
A. Alhassanat, C. Gamer, A. Rauguth, A. A. Athanasopoulou, J. Sutter, C. Luo, H. Ryll, F. Radu, A. A. Sapozhnik, T. Mashoff, E. Rentschler, and H. J. Elmers*
Phys. Rev. B **98**, *0644228 (2018)*

9. ***Evolution of cooperativity in the spin transition of an iron(II) complex on a graphite surface***
Lalminthang Kipgen, Matthias Bernien, Sascha Ossinger, Fabian Nickel, Andrew J. Britton, Lucas M. Arruda, Holger Naggert, Chen Luo, Christian Lotze, Hanjo Ryll, Florin Radu, Enrico Schierle, Eugen Weschke, Felix Tuczek, and Wolfgang Kuch*
Nature Communications **9**, *2984 (2018)*

10. ***A Living-Dead Magnetic Layer at the Surface of Ferrimagnetic DyTiO3 Thin Films***
Raphaël Aeschlimann, Daniele Preziosi, Philipp Scheiderer, Michael Sing, Sergio Valencia, Jacobo Santamaria, Chen Luo, Hanjo Ryll, Florin Radu, Ralph Claessen, Cinthia Piamonteze, and Manuel Bibes*
Adv. Mater. 1707489 (2018)

11. ***Experimental determination of exchange constants in antiferromagnetic Mn2Au***
A. A. Sapozhnik, C. Luo, H. Ryll, F. Radu, M. Jourdan, H. Zabel, and Hans Joachim-Elmers*
Phys. Rev. B **97**, *184416 (2018)*

12. ***On the Application of Zeeman Spatial Beam Splitting in Polarized Neutron Reflectometry***
S. V. Kozhevnikov*, V. K. Ignatovich, and F. Radu
Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques **12**, *103-113 (2018)*

13. ***Channeling of Neutrons in the Potential Well of a Planar Waveguide***
S. V. Kozhevnikov*, Yu. N. Khaydukov, F. Ott, and F. Radu
JETP **126**, *592 (2018)*

14. ***The Mechanics of the Vekmag Experiment***
T. Noll* and F. Radu
Proceedings of MEDSI2016, 370 (2017)

15. ***Channeling of Neutrons in a Planar Waveguide***
S. V. Kozhevnikov*, V. D. Zhaketov, Yu. N. Khaydukov, F. Ott, and F. Radu
JETP **125**, *1015 (2017)*

16. ***Relaxation of the Magnetic State of a Ferromagnetic - Superconducting Layered Structure***
V. D. Zhaketov, Yu. V. Nikitenko*, A. V. Petrenko, A. Csik, V. L. Aksenov, and F. Radu
JETP **125**, *480 (2017)*

17. ***Magnetism in Structures with Ferromagnetic and Superconducting Layers***
V. D. Zhaketov, Yu. V. Nikitenko*, F. Radu, A. V. Petrenko, A. Csik, M. M. Borisov, E. Kh. Mukhamedzhanov, and V. L. Aksenov
JETP **124**, *114 (2017)*

18. ***Characterization methods for neutron channeling in planar waveguides***
S. V. Kozhevnikov*, T. Keller, Yu. N. Khaydukov, F. Ott, and F. Radu
Nuclear Inst. and Methods in Physics Research, A **875**, *177 (2017)*

19. ***Ultrafast and Distinct Spin Dynamics in Magnetic Alloys***
T. Seifert, U. Martens, S. GÃ¼nther, M. A. W. Schoen, F. Radu, X. Z. Chen, I. Lucas, R. Ramos, M. H. Aguirre, P. A. Algarabel, A. Anadón, H. S. Körner, J. Walowski, C. Back, M. R. Ibarra, L. Morellón, E. Saitoh, M. Wolf, C. Song, K. Uchida, M. Münzenberg, I. Radu and T. Kampfrath*
SPIN **7** *1740010 (2017)*

20. ***Magnetization compensation and spin reorientation transition in ferrimagnetic DyCo5: Multiscale modeling and element-specific measurements***
Andreas Donges*, Sergii Khmelevskyi, Andras Deak, Radu-Marius Abrudan, Detlef Schmitz, Ilie Radu, Florin Radu, László Szunyogh, and Ulrich Nowak
Phys. Rev. B **96**, *024412 (2017)*

21. ***Spatially resolved investigation of all optical magnetization switching in TbFe alloys***
Ashima Arora*, Mohamad-Assaad Mawass, Oliver Sandig, Chen Luo, Ahmet A. Ünal Florin Radu, Sergio Valencia, and Florian Kronast
Scientific Reports **7**, *9456 (2017)*
See also: **HZB Press Release**: **Optical control of magnetic memory - new insights into fundamental mechanisms**

22. ***Ferrimagnetic DyCo5 Nanostructures for Bits in Heat-Assisted Magnetic Recording***
A. A. Ünal, S. Valencia, F. Radu, D. Marchenko, K. J. Merazzo M. Vázquez, and J. Sánchez-Barriga
Phys. Rev. Applied **5**, *064007 (2016)*
See also: **HZB Press Release**: **Spintronics: Resetting the future of Heat Assisted Magnetic Recording**

23. ***Two-magnon scattering by domain wall induced coupling in Co2MnGe/Au/Py layer systems***
Ruslan Salikhov*, Frank Brüssing, Katherine Gross, Florin Radu, Radu M. Abrudan, and Hartmut Zabel
Phys. Status Solidi B , (2016)

24. ***Influence of the Fe-Co ratio on the exchange coupling in TbFeCo/[Co/Pt] heterostructures***
B. Hebler*, S. Böttger, D. Nissen, R. Abrudan, F. Radu, and M. Albrecht
Phys. Rev. B **93**, *184423 (2016)*

25. ***ALICE:Adifractometer/reflectometer for soft X-ray resonant magnetic scattering at BESSY II***
R. M. Abrudan and F. Radu
Journal of large-scale research facilities **2**, *A69 (2016)*

26. ***Neutron Resonances in Planar Waveguides***
S. V. Kozhevnikov*, V. K. Ignatovich, A. V. Petrenko, and F. Radu
JETP **123**, *950-956 (2016)*

27. ***Polarized neutron channeling as a tool for the investigations of weakly magnetic thin films***
S. V. Kozhevnikov*, Yu. N. Khaydukov, T. Keller, F. Ott, and F. Radu
JETP Lett. **103**, *38 (2016)*

28. ***Manipulating Topological States by Imprinting Non-Collinear Spin Textures***
Robert Streubel*, Luyang Han, Mi-Young Im, Florian Kronast, Ulrich K. Rößler, Florin Radu, Radu Abrudan, Gungun Lin, Oliver G. Schmidt, Peter Fischer*, and Denys Makarov
Scientific Reports **5**, *8787 (2015)*

29. ***Laser induced magnetization switching in a TbFeCo ferrimagnetic thin film: discerning the impact of dipolar fields, laser heating and laser helicity by XPEEM***
L. Gierster*, A. A. Ünal, L. Pape, F. Radu, and F. Kronast
Ultramicroscopy **159**, *508 (2015)*

30. ***Engineering Ultrafast Magnetisms***
I. Radu*, C. Stamm, A. Eschenlohr, F. Radu, R. Abrudan, K. Vahaplar, T. Kachel, N. Pontius, R. Mitzner, K. Holldack, A. Föhlisch, R. F. L. Evans, T. A. Ostler, J. Mentink, R. W. Chantrell, A. Tsukamoto, A. Itoh, A. Kirilyuk, A. V. Kimel, Th. Rasing
Springer Proceedings in Physics ***159***, *297 (2015)*

31. ***All-Electric Access to the Magnetic-Field-Invariant Magnetization of Antiferromagnets***
Tobias Kosub, Martin Kopte, Florin Radu, Oliver G. Schmidt, and Denys Makarov*
Phys. Rev. Lett. **115**, *097201 (2015)*

32. ***Observation of an atomic exchange bias effect in DyCo4 film***
Kai Chen*, Dieter Lott, Florin Radu, Fadi Choueikani, Edwige Otero, and Philippe Ohresser
Scientific Reports **5**, *10377 (2015)*

33. ***Temperature-dependent magnetic properties of ferrimagnetic DyCo3 alloy films***
Kai Chen*, Dieter Lott, Florin Radu, Fadi Choueikani, Edwige Otero, and Philippe Ohresser
Phys. Rev. B **91**, *024409 (2015)*

34. ***Ultrafast and Distinct Spin Dynamics in Magnetic Alloys***
I. Radu*, C. Stamm, A. Eschenlohr, F. Radu, R. Abrudan, K. Vahaplar, T. Kachel, N. Pontius, R. Mitzner, K. Holldack, A. Föhlisch, T. A. Ostler, J. H. Mentink, R. F. L. Evans, R. W. Chantrell, A. Tsukamoto, A. Itoh, A. Kirilyuk, A. V. Kimel and Th. Rasing
SPIN **5** *1550004 (2015)*

35. ***ALICE - An advanced reflectometer for static and dynamic experiments in magnetism at synchrotron radiation facilities***
R. Abrudan*, F. Brüssing, R. Salikhov, J. Meermann, I. Radu, H. Ryll, F. Radu, and H. Zabel
Review of Scientific Instruments **86**, *063902 (2015)*

36. ***Observation of an atomic exchange bias effect in DyCo4 film***
K. Chen*, D. Lott, and F. Radu
Magnetics Conference (INTERMAG) (2015)

37. ***Reflection of neutrons from fan-like magnetic systems***
Vladimir Ignatovich, Yuriy Nikitenko, Florin Radu
American Journal of Modern Physics and Application. **1**, *7-14, (2014)*

38. ***Interfacial exchange coupling in Fe-Tb/[Co/Pt] heterostructure***
C. Schubert*, B. Hebler, H. Schletter, A. Liebig, M. Daniel, R. Abrudan, F. Radu, and M. Albrecht
Phys. Rev. B **87**, *054415 (2013)*

39. ***Magnetic planar waveguides as combined polarizers and spin-flippers for neutron microbeams***
A. Rühm, S. V. Kozhevnikov*, F. Ott, F. Radu and J. Major
Nuclear Instruments an d Methods in Physics Research A **708**, *83-87 (2013)*

40. ***Configurational dependence of the magnetization dynamics in spin valve systems: Influence of spin pumping and domain wall induced coupling***
R. Salikhov*, R. Abrudan, F. Brüssing, K. Gross, C. Luo, K. Westerholt, H. Zabel, F. Radu, and I. A. Garifullin
Phys. Rev. B **86**, *144422 (2012)*

41. ***Reflection of neutrons from a magnetic film placed in the static and oscillating magnetic fields***
S. V. Kozhevnikov, F. Radu, Yu. V. Nikitenko, and V. L. Aksenov
Journal of Surface Investigation. X-ray, Synchrotron and Neutron Techniques ***6(5)***, *784 (2012)*

42. ***Perpendicular exchange bias in ferrimagnetic spin valves***
F. Radu*, R. Abrudan, I. Radu, D. Schmitz, and H. Zabel
Nature Communications ***3***, *715 (2012)*
See also: **HZB Press Release**: **Resetting the future of MRAM**

43. ***Ultrafast Magnetism as Seen by X-rays***
Ilie Radu* , Kadir Vahaplar, Christian Stamm, Torsten Kachel, Niko Pontius, Florin Radu, Radu Abrudan, Hermann Dürr, Thomas Ostler, Joe Barker, Richard Evans, Roy Chantrell, Arata Tsukamoto, Akiyoshi Itoh, Andrei Kirilyuk, Theo Rasing and Alexey Kimel
Proc. of SPIE ***8260***, *82601M (2012)*

44. ***Data representations of Zeeman spatial beam-splitting in polarized neutron reflectometry***
Sergey Kozhevnikov, Frederic Ott* and Florin Radu
Journal of Applied Crystallography ***45***, *814-825 (2012)*

45. ***Neutron magnetic resonance and non-specular reflection from a magnetic film placed in an oscillating magnetic field***
S. V. Kozhevnikov*, V. K. Ignatovich, Y. V. Nikitenko, F. Ott, F. Radu, A. Rühm, and J Major
J. Phys.: Conf. Ser. ***340***, *012084 (2012)*

46. ***Interface-induced room-temperature multiferroicity in $BaTiO_3$***
S. Valencia, A. Crassous, L. Bocher, V. Garcia, X. Moya, R. O. Cherifi, C. Deranlot, K. Bouzehouane, S. Fusil, A. Zobelli, A. Gloter, N. D. Mathur, A. Gaupp, R. Abrudan, F. Radu, A. Barthélémy and M. Bibes*
Nature Materials ***10***, *753 (2011)*
See also: **HZB Press Release**: **Locating the Elusive**

47. ***Valence change of praseodymium in Pr0.5Ca0.5CoO3 investigated by x-ray absorption spectroscopy***
J. Herrero-Martín, J. L. García-Muñoz, S. Valencia, C. Frontera, J. Blasco, A.J. Barón-González, G. Subías, R. Abrudan and F. Radu, E. Dudzik, R. Feyerherm
Phys. Rev. B ***84****, 115131 (2011)*

48. ***Precessional dynamics and damping in Co/Cu/Py spin valves***
R. Salikhov*, R. Abrudan, F. Brüssing, St. Buschhorn, M. Ewerlin, D. Mishra, H. Zabel, F. Radu, and I. A. Garifullin
Applied Physics Letters, ***99****, 092509 (2011)*
See also: **RUB Press Release**: **Spin pumping effect proven for the first time**

49. ***Crystallographically amorphous ferrimagnetic alloys: Comparing a localized atomistic spin model with experiments***
Thomas A. Ostler*, Richard Evans, Roy W. Chantrell, Unai Atxitia, Oksana Chubykalo-Fesenko, Ilie Radu, Radu Abrudan, Florin Radu, Arata Tsukamoto, A. Itoh, Andrei Kirilyuk, Theo Rasing, and Alexey Kimel
Phys. Rev. B ***84****, 024407 (2011)*

50. ***Valence transition in (Pr,Ca)CoO_3 cobaltites: Charge migration at the metal-insulator transition***
José Luis García-Muñoz*, Carlos Frontera, Aura J. Barón-González, Sergio Valencia, Javier Blasco, Ralf Feyerherm, Esther Dudzik, Radu Abrudan and Florin Radu
Phys. Rev. B ***84****, 045104 (2011)*

51. ***Interaction of neutrons with layered magnetic media in oscillating magnetic field***
Y. V. Nikitenko*, V. K. Ignatovich, and F. Radu
Physica B **406***, 2473 (2011)*

52. ***Ferrimagnetic stripe domain formation in AF-coupled Co/Pt-Co/Ni-Co/Pt multilayers observed via soft x-ray techniques***
O. Hellwig*, C. M. Günther, F. Radu, A. Menzel, W. F. Schlotter, J. Lüning and S. Eisebitt
Applied Physics Letters, ***98****, 172503 (2011)*

53. ***Dual Behavior of Antiferromagnetic Uncompensated Spins in NiFe/IrMn Exchange Biased Bilayers***
S. K. Mishra, F. Radu*, S. Valencia, D. Schmitz, E. Schierle, H. A. Dürr, and W. Eberhardt
Phys. Rev. B ***81****, 212404 (2010)*

54. ***Neutron refraction in oscillating magnetic field***
V. K. Ignatovich, Y. V. Nikitenko, and F. Radu*
Nuclear Inst. and Methods in Physics Research A ***620****, 320 (2010)*

55. ***Hard x-ray resonant scattering study of $Ni_{81}Fe_{19}$(111)/CoO(111) exchange biased bilayer***
R. Feyerherm*, E. Dudzik, S. Valencia and F. Radu
J. Phys.: Conf. Ser. ***211****, 012018 (2010)*

56. ***Microscopic Reversal Behavior of Magnetically Capped Nanospheres***
C. M. Günther, O. Hellwig, A. Menzel, B. Pfau, F. Radu, D. Makarov, M. Albrecht, A. Goncharov, T. Schrefl, W. F. Schlotter, R. Rick, J. Lüning, and S. Eisebitt*
Phys. Rev. B ***81****, 064411 (2010)*

57. ***Spin resolved photoemission microscopy and magnetic imaging in applied magnetic fields***
F. Kronast, J. Schlichting, F. Radu, S. K. Mishra, T. Noll, and H. A. Dürr*
Surf. Interface Anal. ***42****, 1532 (2010)*

58. ***Training Induced Positive Exchange Bias in NiFe/IrMn Bilayers***
S. K. Mishra, F. Radu*, H. A. Dürr, and W. Eberhardt
Phys. Rev. Lett. ***102****, 177208 (2009)*

59. ***Origin of the reduced exchange bias in an epitaxial FeNi(111)/CoO(111) bilayer***
F. Radu*, S. K. Mishra, I. Zizak, A. I. Erko, H. A. Dürr, W. Eberhardt, G. Nowak, S. Buschhorn, K. Zhernenkov, M. Wolff, H. Zabel, D. Schmitz, E. Schierle, E. Dudzik, R. Feyerherm
Phys. Rev. B. ***79****, 184425 (2009)*

60. ***Interplay between the magnetic anisotropy contributions of cobalt nanowires***
J. Sánchez-Barriga*, M. Lucas, F. Radu, E. Martin, M. Multigner, P. Marin, A. Hernando, and G. Rivero
Phys. Rev. B. ***80****, 184424 (2009)*

61. ***Experimental opportunity to investigate layered magnetic structures with the help of oscillating magnetic field***
V. K. Ignatovich, Y. V. Nikitenko, and F. Radu*
Nuclear Inst. and Methods in Physics Research A ***604****, 653 (2009)*

62. ***Evidence for core-shell magnetic behavior in antiferromagnetic Co_3O_4 nanowires***
M. J. Benitez*, O. Petracic, E. L. Salabas, F. Radu, H. Tüysüz, F. Schüth, and H. Zabel
Phys. Rev. Lett. ***101****, 097206 (2008)*

63. ***Steplike versus continuous domain propagation in Co/Pd multilayer films***
C. M. Günther*, F. Radu, A. Menzel, S. Eisebitt, W. F. Schlotter, R. Rick, J. Lüning, and O. Hellwig
Appl. Phys. Lett. ***93****, 072505 (2008)*

64. ***Structural and magnetic properties of stoichiometric epitaxial CoO/Fe exchange bias bilayers***
G. Nowak*, A. Remhof, F. Radu, A. Nefedov, H.-W. Becker,and H. Zabel ,
Phys. Rev. B ***75****, 174405 (2007)*

65. ***Onset of spin-density-wave antiferromagnetism in Cr/V multilayers***
E. Kravtsov*, R. Brucas, B. Hjörvarsson, A Hoser, A. Liebing, G. McIntyre, M. A. Milyaev, A. Nefedov, L. Paolasini, F. Radu, A. Remhof, V. V. Ustinov, F. Yakhou, and H. Zabel
Phys. Rev. B ***76****, 024421 (2007)*

66. ***Phase imaging of magnetic nanostructures using resonant soft x-ray holography***
A. Scherz*, W. F. Schlotter, K. Chen, R. Rick, J. Stöhr, J. Lüning, I. McNulty, Ch. Günther, F. Radu, W. Eberhardt, O. Hellwig, and S. Eisebitt
Phys. Rev. B ***76****, 214410 (2007)*

67. ***Quantitative description of the azimuthal dependence of the exchange bias effect***
F. Radu*, A. Westphalen, K. Theis-Bröhl and H. Zabel,
J. Phys: Condens. Matter. ***95****, L29-L36 (2006)*

See also: **IOP Press Release**: **TOP PAPER 2006**
See also: **RUB Press Release**: **Chaos im Glas: Von Spin-Gläsern und -Ventilen**

68. ***Soft X-ray Resonant Magnetic Scattering Studies on Fe/CoO Exchange Bias System***
Florin Radu, Alexei Nefedov*, Johannes Grabis, Gregor Nowak, Andre Bergmann, and Hartmut Zabel,
J. Magn. Magn. Mater. ***300****, 206-210 (2006)*

69. ***Quantum States of Neutrons in Magnetic Thin Films and Superlattices***
Florin Radu* and Hartmut Zabel,
Neutron News ***17****, 30-32 (2006)*

70. ***^{3}He Spin Filter at the Institut Laue-Langevin: Polarization Analysis of Diffuse Scattering***
M. Wolff*, F. Radu, A. Petoukhov, H. Humblot, D. Jullien, K. H. Andersen and H. Zabel
Neutron News ***17****, 26-29 (2006)*

71. ***Recent advances in polarised ^{3}He spin-filters at the ILL***
A. Petoukhov*, K.H. Andersen, D. Jullien, E. Babcock, J. Chastagnier, R. Chung, H. Humblot, E. Lelièvre-Berna, F. Tasset, F. Radu, M. Wolff, H. Zabel,
Physica B ***385-386****, 1146-1148 (2006)*

72. ***Exchange anisotropy in nanocasted Co_3O_4 nanowires***
Elena-Lorena Salabas*, Anja Rumplecker, Freddy Kleitz, Florin Radu and Ferdi Schüth,
Nano Letters ***6****, 2977-2981 (2006)*

73. ***Magnetic induction and domain walls in magnetic thin films at remanence***
F. Radu*, A. Vorobiev, D. Jullien, H. Humblot, J. Major, J. McCord, V. Leiner, F. Tasset, K. Westerholt and H. Zabel,
J. Phys: Condens. Matter ***17****, 1711-1718 (2005)*

74. ***X-ray resonant magnetic scattering of Fe/Cr superlattices***
A. Nefedov*, J. Grabis, A. Bergmann, F. Radu and H. Zabel
Superlattices and Microstructures ***37****, 99-106 (2005)*

75. ***Proximity effect of vanadium on strain and spin-density waves in thin Cr films***
E. Kravtsov*, R. Brucas, B. Hjörvarsson, A Hoser, G. McIntyre, A. Nefedov, F. Radu, A. Remhof and H. Zabel
J. Magn. Magn. Mater. ***286****, 425-431 (2005)*

76. ***Quantum State of Neutrons in Magnetic Thin Films***
F. Radu*, V. Leiner, M. Wolff, V. K. Ignatovich and H. Zabel
Phys. Rev. B ***71****, 214423 (2005)*
See also: **RUB Press Release**: **Wie Neutronen umgedreht werden**

77. ***Reversing the training effect in exchange biased CoO/Co bilayers***
S. Brems*, D. Buntinx, K. Temst, C. Van Haesendonck, F. Radu and H. Zabel,
Phys. Rev. Lett. ***95****, 157202 (2005)*

78. ***Magnetic interactions and spin configuration in FeRh and Fe/FeRh systems***
V. Kuncser* , W. Keune , B. Sahoo , E. Duman , M. Acet , F. Radu , M. Valeanu , O. Crisan, and G. Filoti

J. Magn. Magn. Mater., ***272-276****, 348 (2004) (2004)*

79. ***Proximity effect of vanadium on spin-density wave magnetism in Cr films***
E. Kravtsov*, A. Nefedov, F. Radu, A. Remhof, H. Zabel, B. Hjörvarsson, A. Hoser, and S. B. Wilkins
Phys. Rev. B ***70****, 054425, (2004)*

80. ***Interfacial domain formation during magnetization reversal in exchange-biased CoO/Co bilayers***
F. Radu*, M. Etzkorn, R. Siebrecht, T. Schmitte, K. Westerholt, H. Zabel
Phys. Rev. B ***67****, 134409, 2003*

81. ***Spin-resolved off-specular neutron scattering from magnetic domain walls using the polarized*** ^{3}***He gas spin filter***
F. Radu*, A. Vorobiev, J. Major, H. Humblot, K. Westerholt, H. Zabel
Physica B ***335****, 63, 2003*

82. ***Asymmetric Magnetization Reversal on Exchange Bias CoO/Co Bilayers***
F. Radu*, M. Etzkorn, T. Schmitte, R. Siebrecht, A. Schreyer, K. Westerholt, H. Zabel
J. Magn. Magn. Mater. ***240****, 251, 2002*

83. ***Polarised Neutron Reflectometry Study of Co/CoO Exchange Biased Multilayers***
F. Radu*, M. Etzkorn, V. Leiner, T. Schmitte, A. Schreyer, K. Westerholt, H. Zabel
Appl. Phys. A, ***74****[Suppl], s1570, 2002*

84. ***Theory of neutron channeling in resonant layer of Multilayer Systems***
V. K. Ignatovich, F. Radu*
Phys. Rev. B ***64****, 205408, 2001*

85. ***Generation of Neutron Standing Waves at Total Reflection using Polarized Neutrons***
V. L. Aksenov,Yu. V. Nikitenko*, S. V. Kozhevnikov, F. Radu, R. Kruijs, T. Rekveldt
Journal of Surface Investigation. X-ray, Synchrotron and Neutron Techniques ***116****, 1225 (2001)*

86. ***Observation of resonance enhanced neutron standing waves through (n,*** α***) reaction***
V. L. Aksenov,Yu. V. Nikitenko, F. Radu*, Yu. M. Gledenov, P. V. Sedyshev
Physica B, ***276-278****, 946, 2000*

87. ***Theoretical description of neutron resonances in multilayer systems***
F. Radu*, V. K. Ignatovich
Physica B, ***292****, 160, 2000*

88. ***Generalized Matrix Method for Transmission of Neutrons through Multilayers Magnetic System with Noncollinear Magnetization***
F. Radu*, V. K. Ignatovich
Physica B, ***267****, 175, June, 1999*