

Publications

All published papers and chapters in books in this list have been peer reviewed through processes administered by the respective journals.

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http://www.researchgate.net/profile/Saeed_Kamali2/

Articles

1. Frank J. Berry; Benjamin P de Laune; Colin Greaves; Hien-Yoong Hah; Charles Johnson; Jacqueline A Johnson; **Saeed Kamali**; Jose F Marco; Michael F Thomas; Mariana J Whitaker, "Magnetic interactions in $\text{Fe}_{1-x}\text{M}_x\text{Sb}_2\text{O}_4$, M = Mg, Co, deduced from Mössbauer spectroscopy", *Hyperfine Interact.* 239 (2008) 31.
2. **S Kamali**, E Bringas, H Y Hah, B Bates, J A Johnson, C E Johnson, P Stroeve, "Magnetism and Mössbauer study of formation of multi-core $\gamma\text{-Fe}_2\text{O}_3$ -based core-shell nanoparticles" *J. Magn. Magn. Mater.* 451 (2018) 131-136.
3. Joshua T Greenfield, Colin D Unger, Michael Chen, Nezhueyotl Izquierdo, Katherine E Woo, Vasile O Garlea, **Saeed Kamali**, and Kirill Kovnir, "A series of chiral, polar, homospin topological ferrimagnets: $\text{M}_3(\text{OOCH})_5\text{Cl}(\text{OH}_2)$ (M = Fe, Co, Ni) *Chemistry of Materials* 29 (18) (2017) 7716-7724.
4. **Saeed Kamali** "Spin Structure, Magnetism, and Cation Distributions of $\text{NiFe}_{2-x}\text{Al}_x\text{O}_4$ Solid Solutions" *J. Magn. Magn. Mater.* 433 (2017) 155-161.
5. J. Lindén, E. Rautama, M. Karppinen, S. Kamali "Erratum to: A^{57}Fe Mössbauer study on the FeSe and Fe(Se,Te) superconductors: Discontinuities in the hyperfine parameters at T_c [Hyp. Int. 208, 133 (2012).], *Hyp. Int.* 237 (2016) 62.
6. Serrano, Pauline; Wang, Hongxin; Crack, Jason; Prior, Christopher; Hutchings, Matthew; Thomson, Andrew; **Kamali, Saeed**; Yoda, Yoshitaka; Zhao, Jiyong; Hu, Michael; Alp, Ercan; Oganessian, Vasily; Le Brun, Nick; Cramer, Stephen, "Nitrosylation of Nitric Oxide-Sensing [4Fe-4S] Cluster Regulatory Proteins Results in a Mixture of Iron-Nitrosyl Products" *Angew. Chem. Int. Ed.* 55 (2016) 14575-14579.
7. Lee, Kathleen; **Kamali, Saeed**; Ericsson, Tore; Bellard, Maverick; Kovnir, Kirill, "GeAs: Highly anisotropic van der Waals thermoelectric material" *Chemistry of Materials* 28 (8) (2016) 2776-2785.
8. Lars Lauterbach, Leland B. Gee, Vladimir Pelmeshnikov, Francis E. Jenney Jr, **Saeed Kamali**, Yoshitaka Yoda, Michael W. W. Adams, and Stephen P. Cramer, "Characterization of the $[\text{3Fe-4S}]^{0/+1}$ cluster from D14C variant of *Pyrococcus furiosus* ferredoxin via combined NRVS and DFT analyses" *Dalton Transcriptions* 45 (17) (2016) 7215-7219.
9. **Saeed Kamali**, Mohsen Pouryazdan, Mohammad Ghafari, Masayoshi Itou, Masoud Rahman, Pieter Stroeve, Horst Hahn, and Yoshiharu Sakurai, "Magnetization and Stability Study of a Cobalt-Ferrite-based Ferrofluid" *J. Magn. Magn. Mater.* 404 (2016) 143-147.
10. Joshua T. Greenfield, V. Ovidiu Garlea, **Saeed Kamali**, Michael Chen, and Kirill Kovnir, "Synthesis, Crystal Growth, Structural and Magnetic Characterization of $\text{NH}_4\text{MCl}_2(\text{HCOO})$, M = (Fe, Co, Ni)" *Journal of Solid State Chemistry* 236 (2016) 222-229.
11. M. Ghafari, G. Peng, D. Wang, Y. Imai, and **S. Kamali**, "Occurrence of two amorphous phases in an $\text{Fe}_{40}\text{Co}_{40}\text{B}_{20}$ alloy" *Materials Letters* 164 (2015) 535-538.
12. Mohammad Ghafari, Yoshiharu Sakurai, Guo Peng, Yuan Fang, Tao Feng, Horst Hahn, Herbert Gleiter, Masayoshi Itou, and **Saeed Kamali**, "Unexpected magnetic behaviors in an amorphous $\text{Co}_{90}\text{Sc}_{10}$ alloy" *Appl. Phys. Lett.* 107 (2015) 132406-1:132406-4.

13. M. Andreeva, A. Gupta, G. Sharma, **S. Kamali**, K. Okada and Y. Yoda, "Field-induced spin reorientation in $[\text{Fe}/\text{Cr}]_n$ multilayers studied by nuclear resonance reflectivity" *Phys. Rev. B* 92 (2015) 134403-1:134403-12.
14. Pei Zhao, Hao Lei, Chengbao Ni, **Saeed Kamali**, James C. Fettinger, Fernande Grandjean, Gary J. Long, and Philip P. Power, "Quasi-Three-Coordinate Iron and Cobalt Terphenoxide Complexes $\{\text{Ar}^{i\text{Pr}}_8\text{OM}(\mu\text{-O})_2\}_2$ ($\text{Ar}^{i\text{Pr}}_8 = \text{C}_6\text{H}_2\text{-}2,6\text{-}(\text{C}_6\text{H}_2\text{-}2,4,6\text{-}i\text{Pr}_3)_2\text{-}3,5\text{-}i\text{Pr}_2$; $\text{M} = \text{Fe}$ or Co) with $\text{M}(\text{III})_2(\mu\text{-O})_2$ Core Structures and the Peroxide Dimer of 2-Oxepinoxy Relevant to Benzene Oxidation", *Inorganic Chemistry* 54 (2015) 8914-8922.
15. **Saeed Kamali**, Kaimin Shih, Bernardo Barbiellini, Yung Jui Wang, Stanislaw Kaprzyk, Masayoshi Itou, Arun Bansil, and Yoshiharu Sakurai "Extracting cation distributions in $\text{NiFe}_{2-x}\text{Al}_x\text{O}_4$ Solid Solutions using magnetic Compton scattering" *J. Phys.: Condensed Mater.* 27 (2015) 456003.
16. Chih-Jung Chen, Ray-Kuang Chiang, **Saeed Kamali**, and Sue-Lein Wang "Synthesis and Controllable Oxidation of Monodisperse Cobalt-Doped Wüstite Nanoparticles and their Core-Shell Stability and Exchange-Bias Stabilization", *Nanoscale* 7 (2015) 14332-14343.
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18. Jason C. Crack, John Munnoch, Erin Dodd, Felicity Knowles, Mahmoud M. Al Bassam, **Saeed Kamali**, Ashley A. Holland, Stephen P. Cramer, Christopher Hamilton, Michael K Johnson, Andrew J. Thomson, Matthew I. Hutchings, and Nick E. Le Brun, "NsrR from *Streptomyces coelicolor* is a Nitric Oxide-Sensing $[\text{4Fe-4S}]$ Cluster Protein with a Specialized Regulatory Function", *The Journal of Biological Chemistry* 290 (20) (2015) 12689-12704.
19. **Saeed Kamali**, Askar Kilmametov, Mohammad Ghafari, Masayoshi Itou, Horst Hahn, and Yoshiharu Sakura, "Controlling Spin Polarized Band Structure by Variation of Vacancy Intensity in Nanostructures", *J. Phys: Condensed Mater* 27 (2015) 075304-1:075304-7.
20. Joshua T. Greenfield, **Saeed Kamali**, Kathleen Lee, and Kirill Kovnir, "A Solution for Solution-Produced $\beta\text{-FeSe}$: Elucidating and Overcoming Factors that Prevent Superconductivity", *Chemistry of Materials* 27 (2015) 588-596.
21. Joshua T. Greenfield, Chongin Pak, **Saeed Kamali**, Kathleen Lee, and Kirill Kovnir, "Control over Connectivity and Magnetism of Tetrahedral FeSe_2 Chains through Coordination Fe-Amine Complexes" *Chemical Communications* 51 (2014) 5355-5358.
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23. A. Stoesser, M. Ghafari, A. Kilmametov, H. Gleiter, Y. Sakurai, M. Itou, S. Kohara, H. Hahn, and **S. Kamali**, "Influence of Interface on Structure and Magnetic Properties of $\text{Fe}_{50}\text{B}_{50}$ Nanoglass", *J. Appl. Phys.* 116 (2014) 134305-1:134305-7.
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25. Joshua Greenfield, **Saeed Kamali**, Nezhueyotl Izquierdo, Michael Chen, Kirill Kovnir "

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 28. **Saeed Kamali**, Nesa Shahmiri, Jose S. Garitaonandia, Jonas Ångström, Martin Sahlberg, Tore Ericsson and Lennart Häggström, “Effect of Mixing Tool on Magnetic Properties of Hematite Nanoparticles Prepared by Sol-gel Method”, *Thin Solid Films* 534 (2013) 260-264.
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 30. **Saeed Kamali**, Hongxin Wang, Devrani Mitra, Hideaki Ogata, Wolfgang Lubitz, Brian C. Manor, Thomas B. Rauchfuss, Deborah Byrne, Violaine Bonnefoy, Francis E. Jenney Jr., Michael W.W. Adams, Yoshitaka Yoda, Ercan Alp, Jiyong Zhao, and Stephen P. Cramer, “Observation of the Fe-CN and Fe-CO Vibrations in the Active Site of [NiFe] Hydrogenase by Nuclear Resonance Vibrational Spectroscopy”, *Angew. Chem. Int. Ed.* 52 (2013) 724-728 (On cover).
 31. Mitra, Devrani; George, Simon; Guo, Yisong; **Kamali, Saeed**; Keable, Stephen; Peters, John; Pelmeshnikov, Vladimir; Case, David; Cramer, Stephen, “Characterization of [4Fe-4S] Cluster Vibrations and Structure in Nitrogenase Fe Protein at Three Oxidation Levels via Combined NRVS, EXAFS and DFT Analyses”, *J. Am. Chem. Soc.* 135 (2013) 2530-2543.
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 36. **Saeed Kamali**, Masayoshi Itou, Akio Kodama, Pieter Stroeve, and Yoshiharu Sakurai, “Orientational order of self-assembled magnetic nanocrystals”, *Phys. Rev. B* 85 (2) (2012) 024506-1: 024506-5
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40. **S. Kamali**, L. Häggström, Martin Sahlberg, and Roger Wäppling, “Magnetic and interface properties of Fe_{0.82}Ni_{0.18}/Co(001) superlattices”, *J. Phys.: Condens. Matter* 23 (2011) 055301.
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42. Hongxin Wang, Yisong Guo, **Saeed Kamali**, and Stephen P. Cramer “X-ray Detection on Fe-H Vibrations”, *Materials Research Society* 1262 (2010) 1262-W07-10.
43. Lennart Häggström, **Saeed Kamali**, Tore Ericsson, Per Nordblad, Anwar Ahniyaz, and Lennart Bergström, “Mössbauer and magnetization studies of iron oxide nanocrystals”, *Hyperfine Interact.* 183(2008) 49–53.
44. Anwar Ahniyaz, Gulaim A. Seisenbaeva, Lennart Häggström, **Saeed Kamali**, Vadim G. Kessler, Per Nordblad, Christer Johansson, and Lennart Bergström, “Preparation of iron oxide nanocrystals by surfactant-free or oleic acid-assisted thermal decomposition of a Fe(III) alkoxide”, *J. Magn. Magn. Mat.* 320 (2008) 781–787.
45. M.A. Andreeva, N.G. Monina, L. Häggström, B. Lindgren, B. Kalska, **S. Kamali-M**, S.N. Vdovichev, N.N. Salashchenko, V.G. Semenov, O. Leupold, and R. Ruffer, “Nuclear resonant reflectivity with standing waves for the investigation of a thin ⁵⁷Fe layer buried inside a superconducting Si/[Mo/Si]₄₅/⁵⁷Fe/Nb multilayer”, *Nucl. Instr. Meth. B* 266 (2008) 187–196.
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Chapters in Books

56. **S. Kamali**, “Mössbauer Spectroscopy and its Applications in Spintronics” in *Nanomagnetism-Spintronics*, edited by F. Nasirpour and A. Nogaret (World Scientific Publishing, Singapore), <http://www.worldscibooks.com/nanosci/7281.html>
57. **S. Kamali**, “Nuclear Resonance Scattering and its Applications in Spintronics” in *Nanomagnetism-Spintronics*, edited by F. Nasirpour and A. Nogaret (World Scientific Publishing, Singapore), <http://www.worldscibooks.com/nanosci/7281.html>
58. **S. Kamali**, “Synkrotronstrålning–och dess användning vid studier av struktur och magnetism hos material i nanoskala” in *Kosmos* (Journal of Swedish Physics Society, in Swedish), edited by L. Karlsson (Acta Universitatis Upsaliensis, Sweden).

Submitted Articles

Articles in Preparation

These are articles where analysis is complete, a manuscript draft is available and submission is expected within the next year.

59. **S Kamali**, K Pussi, K Ohara, M Lahti, E Carb-Argibay, J Gallo, Y Sakurai, B Barbiellini, A Bansil, Y V Kolen'ko, “Atomic arrangement of amorphous thin films extracted via radial distribution functions”.
60. **Saeed Kamali**, Chih-Jung Chen, Charles E. Johnson, Ray K. Chiang, “Temperature and size dependent relaxation of mono-disperse magnetic nanocrystallites”.
61. **Saeed Kamali**, Mohammad Javad Nasr Isfahan, Masayoshi Itou, and Yoshiharu Sakurai, “Magnetic Properties of ZnMn-Nano Ferrites Probed by Magnetic Compton Scattering”.
62. Devrani Mitra, **Saeed Kamali**, Hongxin Wang, Stephen P Cramer, and Sheila S David, “DNA-mediated Charge Transfer in Adenine DNA Glycosylase (MutY): Complementation with Mössbauer and Nuclear Resonance Vibrational Spectroscopy”.
63. S. J. George, M. J. Nasr-Isfahani, I. Jarrige, H. Tanida and **S. Kamali**, “Cation distribution in MnZn-nanoferrites as a function of milling time studied by Extended X-ray Absorption Fine Structure Spectroscopy”.
64. Weibing Dong, Hongxin Wang, **Saeed Kamali**, Will K. Meyers, Yisong Guo, Alexander Gunn, David Britt, Justin Crossland, David Tyler, Yoshitaka Yoda, Jiyong Zhao, and Stephen P. Cramer “Spectroscopy and Photochemistry of an Iron Dinitrogen Complex– Characterization by FT-IR, EPR, and Mössbauer Spectroscopies”.
65. Jason C. Crack, John Murdoch, **Saeed Kamali**, Stephen P. Cramer, Christopher Hamilton, Andrew J. Thomson, Michael K Johnson, Matthew I Hutchings and Nick E. Le Brun “High affinity DNA-binding by a [4Fe-4S] cluster-bound form of NsrR from *Streptomyces coelicolor*”
66. Jason C. Crack, Hongxin Wang, Simon J. George, **Saeed Kamali**, Andrew J. Thomson, Stephen P. Cramer and Nick E. Le Brun “Identification of nitrosylation products in an iron-sulfur cluster regulatory protein”
67. Jason C. Crack, Hongxin Wang, Simon J. George, **Saeed Kamali**, Andrew J. Thomson, Matthew I Hutchings, Stephen P. Cramer and Nick E. Le Brun “Mechanism of sensing in the NO-responsive iron-sulfur cluster regulator NsrR”