Stanford



Yuri Suzuki

Stanley G. Wojcicki Professor, Professor of Applied Physics, and by courtesy, of Materials Science and Engineering

Bio

BIO

My experimental group focuses on novel ground states and functional properties in condensed matter systems synthesized via atomically precise thin film deposition techniques with a recent emphasis on highly correlated electronic systems:. Many of these phenomena are then incorporated into prototypical device structures. Our recent focus is on: emergent interfacial phenomena electronic and magnetic phenomena, spin current generation, propagation, and control in complex oxide based ferromagnets strongly correlated materials, multifunctional behavior in complex oxide thin films and heterostructures, low dimensional electron gas systems.

ACADEMIC APPOINTMENTS

- Professor, Applied Physics
- Professor (By courtesy), Materials Science and Engineering
- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- Director, nano@stanford Shared Facilities, (2025- present)
- Director, Stanford Nano Shared Facilities, (2021-2025)

HONORS AND AWARDS

- Fellow, Materials Research Society (2023)
- Fellow, American Association for the Advancement of Science (2023)
- Vannevar Bush Faculty Fellowship, Department of Defense (2014-2019)
- Fellow, American Physical Society (2011)
- American Competitiveness and Innovation Fellow, National Science Foundation (2008)
- Maria Goeppert-Mayer Award, American Physical Society (2005)
- Presidential Chair Fellow, UC Berkeley (2003-2004)
- Outstanding Educator for having most influenced Merrill Presidential Scholar, Jonathan Eser, Cornell University (2002)
- Robert Lansing Hardy Award, The Materials, Minerals and Metals Society (1999)
- Fellowship for Science and Engineering, David and Lucile Packard Foundation (1998-2003)
- Faculty Early Career Development Award, National Science Foundation (1997-2001)
- Young Investigator Award, Office of Naval Research (1997-2000)
- Fellowship, ARCS Foundation (1994)

- Predoctoral Fellowship, National Science Foundation (1989-1992)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Association for the Advancement of Science
- Member, Materials Research Society
- Member, American Physical Society
- Member, Program Committee, 64th Annual Conference on Magnetism and Magnetic Materials (2020 - 2020)
- Member, Program Committee, 63rd Annual Conference on Magnetism and Magnetic Materials (2019 - 2019)
- Member, Program Committee, Physics and Chemistry of Semiconductor Interfaces (2018 - 2018)
- Member, Program Committee, 23rd International Colloquium on Magnetic Films and Surfaces (2018 - 2018)
- Member, Program Committee, 62nd Annual Conference on Magnetism and Magnetic Materials (2017 - 2017)
- Member, Program Committee, 61st Annual Conference on Magnetism and Magnetic Materials (2016 - 2016)
- Member, Program Committee, Joint Intermag ad Conference on Magnetism and Magnetic Materials (2015 - 2016)
- Member, Program Committee, 60th Magnetism and Magnetic Materials (2015 - 2015)
- Member, Program Committee, 59th Annual Conference on Magnetism and Magnetic Materials (2014 - 2014)
- Member, Executive Committee, Topical Group in Magnetism, American Physical Society (2013 - 2016)
- Member, Material Research Society Bulletin, 2014 Volume organizer (2013 - 2014)
- Member, Program Committee, 12th Joint Intermag and Conference on Magnetism and Magnetic Materials (2013 - 2013)
- Member, Program Committee, 58th Annual Conference on Magnetism and Magnetic Materials (2013 - 2013)
- Member, Advanced Light Source User's Executive Committee (2012 - 2014)
- Member, Nominating Committee of Division of Materials Physics, American Physical Society (2012 - 2013)
- Member, Program Committee, Intermag 2012 (2012 - 2012)
- Member, Program Committee, 56th Annual Conference on Magnetism and Magnetic Materials (2011 - 2011)
- Member, Program committee, Magnetic Metallic Multilayers 2010 Conference (2010 - 2010)
- Member, Summer High School Apprenticeship Research Program (SHARP) Executive Committee of the UC Berkeley Nanosciences & Nanoengineering Institute (2007 - 2008)
- Member, 2006 Maria Goeppert-Mayer Award Selection Committee (American Physical Society) (2006 - 2006)
- Member, Program Committee, Intermag 2006 (2006 - 2006)
- Member, Organizing Committee for the 49th Magnetism and Magnetic Materials Conference (2004 - 2004)
- Member, Organizing Committee, Focused Session of the 2004 American Physical Society (2004 - 2004)
- Organizer, Workshop on "Spin Polarized Materials" for DOE Center of Excellence in Synthesis and Processing. (2004 - 2004)
- Member, Development of High School Internship program with local high school, UC Berkeley (2003 - 2012)
- Member, Board of Directors of the Materials Research Society (2003 - 2005)
- Member, Program Committee, 47th Annual Magnetism and Magnetic Materials Conference. (2002 - 2002)
- Chair, Fall 2001 Materials Research Society (MRS) Meeting (2001 - 2001)
- Member, Program Committee, 46th Annual Magnetic Materials Conference. (2001 - 2001)
- Organizer, MRS Fall 1998 Symposium , "Magnetic Oxides and Oxides Devices" (1998 - 1998)

PROFESSIONAL EDUCATION

- A.B. magna cum laude, Harvard University , Dept. of Physics (1989)
- Ph.D., Stanford University , Dept. of Applied Physics (1995)

PATENTS

- E.M. Gyorgy J. M. Phillips Y. Suzuki R.B. van Dover. "United States Patent 5,728,421 Article Comprising Spinel-Structure Material on a Substrate, and Method of Making Article"
- E.M. Gyorgy J. M. Phillips Y. Suzuki R.B. van Dover. "United States Patent 5665465 Article Comprising Exchange-Coupled Magnetic Layers"
- C.K. Ober S.L. Sass Y. Suzuki. "United States Patent 6,329,070 Fabrication of Two Dimensionally Periodic surface Structures with Spacings Between 50 and 1.5 Nanometers"

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Her interests are focused on novel ground states and functional properties in condensed matter systems synthesized via atomically precise thin film deposition techniques with a recent emphasis has been on highly correlated electronic systems:

• Emergent interfacial electronic & magnetic phenomena through complex oxide heteroepitaxy

• Low dimensional electron gas systems

• Spin current generation, propagation and control in complex oxide-based ferromagnets

• Multifunctional behavior in complex oxide thin films and heterostructures

Teaching

COURSES

2026-27

- Experimental Methods for Quantum Materials: APPPHYS 214 (Spr)
- Quantum Materials: APPPHYS 204 (Win)

2025-26

- Quantum Materials: APPPHYS 204 (Win)

2024-25

- Quantum Materials: APPPHYS 204 (Win)

2023-24

- Condensed Matter Seminar: APPPHYS 470 (Aut, Win, Spr)
- Functional Materials and Devices: APPPHYS 77N (Aut)
- Quantum Materials: APPPHYS 204 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Kevin Crust, Aarushi Khandelwal, Haotian Su, Ruohan Wang

Postdoctoral Faculty Sponsor

Octave Duros, Xian Yang

Doctoral Dissertation Advisor (AC)

Sauviz Alaei, Noah Edmiston, Anna Janni, Yiming Li, Katya Mikhailova, Daisy O'Mahoney, Lerato Takana

Doctoral (Program)

Melih #zkurt

Publications

PUBLICATIONS

- **Low-temperature spin dynamics in lithium aluminum ferrite thin films: From cubic anisotropy to TLS-limited coherence** *PHYSICAL REVIEW MATERIALS*
  Pal, S., Qu, G., Carruzzo, H. M., Mikhailova, K., Takana, L., Xu, Q., Suzuki, Y., Yu, C. C., Fuchs, G. D.
  2026; 10 (5)
- **Spin-charge conversion in a two-dimensional electron gas with giant Rashba spin-orbit coupling** *PHYSICAL REVIEW APPLIED*
  Riddiford, L. J., Zheng, X., Alaei, S. P., Xue, F., Wang, S. X., Suzuki, Y.
  2026; 25 (3)
- **Direct Observation of Tunable Magnons in Epitaxial Lithium Aluminum Ferrite Thin Films.** *Nano letters*
  Tong, J., Paudyal, H., Liu, X., Takana, L., Mikhailova, K., Suzuki, Y., Paudyal, D., Li, X.
  2026
- **Effective control and probe of Néel order in polycrystalline NiO films: a combined approach to study antiferromagnets.** *Scientific reports*
  Hsu, C. C., Lin, Y. C., Cheng, I. Y., Mai, S. C., Qu, D., Grutter, A. J., Kane, M., Suzuki, Y., Lin, Y. L., Yang, C. Y.
  2026
- **Efficient spin transport across a disordered interface in a low damping magnetic insulator/heavy metal bilayer** *APPLIED PHYSICS LETTERS*
  Alaei, S. P., Raj, R., Channa, S., Takana, L., O'mahoney, D., Zheng, X. Y., Fleck, E. E., Chen, T., Galazka, Z., Kent, A. D., Mkhoyan, K. A., Suzuki, Y.
  2025; 127 (26)
- **Signatures of Fluctuation-Driven Magnetic Topological Charge in Pt-Ferromagnetic Insulator Bilayers.** *Physical review letters*
  Channa, S., Sabri, H., Zheng, X. Y., Chen, T. Y., Ren, H., Wu, Q., Wang, K., Li, Y., Galazka, Z., Fisher, I. R., Hong, X., Kent, A. D., Zang, et al
  2025; 135 (9): 096702
- **Signatures of Fluctuation-Driven Magnetic Topological Charge in Pt-Ferromagnetic Insulator Bilayers** *PHYSICAL REVIEW LETTERS*
  Channa, S., Sabri, H., Zheng, X., Chen, T., Ren, H., Wu, Q., Wang, K., Li, Y., Galazka, Z., Fisher, I. R., Hong, X., Kent, A. D., Zang, et al
  2025; 135 (9)
- **Low damping (111) oriented lithium aluminum ferrite thin films for spin wave applications** *APPLIED PHYSICS LETTERS*
  Takana, L., Channa, S., Zheng, X., O'Mahoney, D., Alaei, S., Li, Y., Vailionis, A., Shafer, P., N'Diaye, A. T., Klewe, C., Fisher, I., Suzuki, Y.
  2025; 127 (3)
- **Electrical Detection of Spin-Hall-Induced Auto-oscillations in Lithium Aluminate Ferrite Thin Films.** *Nano letters*
  Ren, H., Lai, Y. A., Channa, S., O'Mahoney, D. A., Zheng, X. Y., Suzuki, Y., Kent, A. D.
  2025
- **Deviation from Debye-Waller behavior in single crystalline freestanding NiO membranes studied via ultrafast electron diffraction** *PHYSICAL REVIEW APPLIED*
  Wisser, J. J., Reid, A., Harbola, V., Luo, D., Shen, X., Kramer, P. L., Lindgren, E. R., Xia, C., Hoffmann, M. C., Lindenberg, A. M., Hwang, H., Suzuki, Y.
  2025; 23 (3)
- **Nature of electronic conduction in LaTiO3/SrTiO3 heterostructures** *PHYSICAL REVIEW MATERIALS*
  Zheng, X., Veit, M. J., Suzuki, Y.
  2025; 9 (1)
- **Surface conduction and reduced electrical resistivity in ultrathin noncrystalline NbP semimetal.** *Science (New York, N.Y.)*
  Khan, A. I., Ramdas, A., Lindgren, E., Kim, H. M., Won, B., Wu, X., Saraswat, K., Chen, C. T., Suzuki, Y., da Jornada, F. H., Oh, I. K., Pop, E.
  2025; 387 (6729): 62-67
- **Thickness-dependent transport in epitaxial CaIrO₃ perovskite thin films** *MRS COMMUNICATIONS*
  Lindgren, E. R., Zheng, X. Y., Channa, S., Jiang, J. M., Lee, Y. S., Suzuki, Y.
  2024

- **Evidence of antiferromagnetism in ultrathin metallic (111)-oriented LaNiO3 films** *PHYSICAL REVIEW MATERIALS*
  Kane, M., Balakrishnan, P. P., Koeksal, O., Holtz, M., Suter, A., Fitzsimmons, M. R., Yang, C., Klewe, C., Quarterman, P., Charlton, T. R., Herzing, A. A., Salman, Z., Prokscha, et al
  2024; 8 (12)
- **Probing the Thermal and Electrical Properties of Ultrawide Bandgap Nitrogen-Polar AlGaN Heterostructures** *ADVANCED FUNCTIONAL MATERIALS*
  Noshin, M., Kwon, H., Khan, A., Alaei, S. P., Meng, C., Asheghi, M., Suzuki, Y., Salahuddin, S., Goodson, K., Chowdhury, S.
  2024
- **The role of magnetic anisotropy in the magnetoresistance of Cr₂O₃/Al₂O₃ thin film antiferromagnets** *AIP ADVANCES*
  Wisser, J. J., Xue, F., Wang, S. X., Suzuki, Y.
  2024; 14 (3)
- **Emergent Ferromagnetism in CaRuO3/CaMnO3(111)-Oriented Superlattices.** *Nano letters*
  Kane, M., Bhandari, C., Holtz, M. E., Balakrishnan, P. P., Grutter, A. J., Fitzsimmons, M., Yang, C., Satpathy, S., Paudyal, D., Suzuki, Y.
  2024
- **Enhanced Ferromagnetism in Atomically Thin Oxides Achieved by Interfacial Reconstruction** *ADVANCED FUNCTIONAL MATERIALS*
  Yi, D., Tang, A., Kane, M. M., Xu, L., Liu, J., Cheng, Z., Klewe, C., N'Diaye, A. T., Shafer, P., Yu, P., Yu, R., Xu, H., Lin, et al
  2024
- **Author Correction: Ultra-thin lithium aluminate spinel ferrite films with perpendicular magnetic anisotropy and low damping.** *Nature communications*
  Zheng, X. Y., Channa, S., Riddiford, L. J., Wisser, J. J., Mahalingam, K., Bowers, C. T., McConney, M. E., N'Diaye, A. T., Vailionis, A., Cogulu, E., Ren, H., Galazka, Z., Kent, et al
  2024; 15 (1): 534
- **Aluminum substitution in low damping epitaxial lithium ferrite films** *APPLIED PHYSICS LETTERS*
  O'Mahoney, D., Channa, S., Zheng, X., Vailionis, A., Shafer, P., N'Diaye, A. T., Klewe, C., Suzuki, Y.
  2023; 123 (17)
- **Synthesis of multifunctional amorphous metallic shell on crystalline metallic nanoparticles.** *RSC advances*
  Parakh, A., Kiani, M. T., Lindgren, E., Colmenares, A., Lee, A. C., Suzuki, Y., Gu, X. W.
  2023; 13 (43): 30491-30498
- **Ultra-thin lithium aluminate spinel ferrite films with perpendicular magnetic anisotropy and low damping.** *Nature communications*
  Zheng, X. Y., Channa, S., Riddiford, L. J., Wisser, J. J., Mahalingam, K., Bowers, C. T., McConney, M. E., N'Diaye, A. T., Vailionis, A., Cogulu, E., Ren, H., Galazka, Z., Kent, et al
  2023; 14 (1): 4918
- **A puzzling insensitivity of magnon spin diffusion to the presence of 180-degree domain walls.** *Nature communications*
  Li, R., Riddiford, L. J., Chai, Y., Dai, M., Zhong, H., Li, B., Li, P., Yi, D., Zhang, Y., Broadway, D. A., Dubois, A. E., Maletinsky, P., Hu, et al
  2023; 14 (1): 2393
- **Hybrid spin Hall nano-oscillators based on ferromagnetic metal/ferrimagnetic insulator heterostructures.** *Nature communications*
  Ren, H., Zheng, X. Y., Channa, S., Wu, G., O'Mahoney, D. A., Suzuki, Y., Kent, A. D.
  2023; 14 (1): 1406
- **Large Spin-Orbit-Torque Efficiency and Room-Temperature Magnetization Switching in SrIrO3/Co-Fe-B Heterostructures** *PHYSICAL REVIEW APPLIED*
  Li, P., Channa, S., Li, X., Alahmed, L., Tang, C., Yi, D., Riddiford, L., Wisser, J., Balakrishnan, P. P., Zheng, X., Lu, D., Vailionis, A., Wang, et al
  2023; 23 (2)
- **Understanding Signatures of Emergent Magnetism in Topological Insulator/Ferrite Bilayers.** *Physical review letters*
  Riddiford, L. J., Grutter, A. J., Pillsbury, T., Stanley, M., Reifsnyder Hickey, D., Li, P., Alem, N., Samarth, N., Suzuki, Y.
  2022; 128 (12): 126802
- **Anisotropic Magnon Spin Transport in Ultrathin Spinel Ferrite Thin Films─Evidence for Anisotropy in Exchange Stiffness.** *Nano letters*
  Li, R., Li, P., Yi, D., Riddiford, L. J., Chai, Y., Suzuki, Y., Ralph, D. C., Nan, T.

1800

- **Ferromagnetic resonances in single-crystal yttrium iron garnet nanofilms fabricated by metal-organic decomposition** *APPLIED PHYSICS LETTERS*
  Wang, S., Chorazewicz, K., Lamichhane, S., Parrott, R. A., Cabrini, S., Fischer, P., Kent, N., Turner, J. H., Ishibashi, T., Frohock, Z., Wisser, J. J., Li, P., Zielinski, et al
  2021; 119 (17)
- **Emergent long-range magnetic order in ultrathin (111)-oriented LaNiO3 films** *NPJ QUANTUM MATERIALS*
  Kane, M. M., Vailionis, A., Riddiford, L. J., Mehta, A., N'Diaye, A. T., Klewe, C., Shafer, P., Arenholz, E., Suzuki, Y.
  2021; 6 (1)
- **Large and robust charge-to-spin conversion in sputtered conductive WTex with disorder** *MATTER*
  Li, X., Li, P., Hou, V., Mahendra, D. C., Nien, C., Xue, F., Yi, D., Bi, C., Lee, C., Lin, S., Tsai, W., Suzuki, Y., Wang, et al
  2021; 4 (5): 1639-1653
- **Enhanced Interface-Driven Perpendicular Magnetic Anisotropy by Symmetry Control in Oxide Superlattices** *PHYSICAL REVIEW APPLIED*
  Yi, D., Amari, H., Balakrishnan, P. P., Klewe, C., N'Diaye, A. T., Shafer, P., Browning, N., Suzuki, Y.
  2021; 15 (2)
- **Magnetic anisotropy and spin scattering in (La2/3Sr1/3)MnO3/CaRuO3 bilayers**
  Balakrishnan, P. P., Lindgren, E., Kane, M., Wisser, J. J., Suzuki, Y.
  AMER INST PHYSICS.2021
- **Growth and characterization of La0.67Sr0.33MnO3/YBa2Cu3O7-delta bilayers** *AIP ADVANCES*
  Wisser, J. J., Suzuki, Y.
  2021; 11 (1)
- **Ultra-low magnetic damping in epitaxial Li0.5Fe2.5O4 thin films** *APPLIED PHYSICS LETTERS*
  Zheng, X., Riddiford, L. J., Wisser, J. J., Emori, S., Suzuki, Y.
  2020; 117 (9)
- **The role of iron in magnetic damping of Mg(Al,Fe)(2)O-4 spinel ferrite thin films** *APPLIED PHYSICS LETTERS*
  Wisser, J. J., Riddiford, L. J., Altman, A., Li, P., Emori, S., Shafer, P., Klewe, C., NDiaye, A. T., Arenholz, E., Suzuki, Y.
  2020; 116 (14)
- **Emergent electric field control of phase transformation in oxide superlattices.** *Nature communications*
  Yi, D. n., Wang, Y. n., van 't Erve, O. M., Xu, L. n., Yuan, H. n., Veit, M. J., Balakrishnan, P. P., Choi, Y. n., N'Diaye, A. T., Shafer, P. n., Arenholz, E. n., Grutter, A. n., Xu, et al
  2020; 11 (1): 902
- **Magnetism and transport in transparent high-mobility BaSnO3 films doped with La, Pr, Nd, and Gd** *PHYSICAL REVIEW MATERIALS*
  Alaan, U. S., Wong, F. J., Ditto, J. J., Robertson, A. W., Lindgren, E., Prakash, A., Haugstad, G., Shafer, P., N'Diaye, A. T., Johnson, D., Arenholz, E., Jalan, B., Browning, et al
  2019; 3 (12)
- **Damping Enhancement in Coherent Ferrite-Insulating-Paramagnet Bilayers** *PHYSICAL REVIEW APPLIED*
  Wisser, J. J., Grutter, A. J., Gilbert, D. A., N'Diaye, A. T., Klewe, C., Shafer, P., Arenholz, E., Suzuki, Y., Emori, S.
  2019; 12 (5)
- **Ultrathin interfacial layer with suppressed room temperature magnetization in magnesium aluminum ferrite thin films** *APPLIED PHYSICS LETTERS*
  Wisser, J. J., Emori, S., Riddiford, L., Altman, A., Li, P., Mahalingam, K., Urwin, B. T., Howe, B. M., Page, M. R., Grutter, A. J., Kirby, B. J., Suzuki, Y.
  2019; 115 (13)
- **Efficient spin current generation in low-damping Mg(Al, Fe)(2)O-4 thin films** *APPLIED PHYSICS LETTERS*
  Riddiford, L. J., Wisser, J. J., Emori, S., Li, P., Roy, D., Cogulu, E., van't Erve, O., Deng, Y., Wang, S. X., Jonker, B. T., Kent, A. D., Suzuki, Y.
  2019; 115 (12)
- **Metallicity in SrTiO3 substrates induced by pulsed laser deposition** *APL MATERIALS*
  Balakrishnan, P. P., Veit, M. J., Alaan, U. S., Gray, M. T., Suzuki, Y.

2019; 7 (1)

- **Ultralow Damping in Nanometer-Thick Epitaxial Spinel Ferrite Thin Films** *NANO LETTERS*
  Emori, S., Yi, D., Crossley, S., Wisser, J. J., Balakrishnan, P. P., Khodadadi, B., Shafer, P., Klewe, C., N'Diaye, A. T., Urwin, B. T., Mahalingam, K., Howe, B. M., Hwang, et al
  2018; 18 (7): 4273–78

- **Coexistence of Low Damping and Strong Magnetoelastic Coupling in Epitaxial Spinel Ferrite Thin Films** *ADVANCED MATERIALS*
  Emori, S., Gray, B. A., Jeon, H., Peoples, J., Schmitt, M., Mahalingam, K., Hill, M., McConney, M. E., Gray, M. T., Alaan, U. S., Bornstein, A. C., Shafer, P., N'Diaye, et al
  2017; 29 (34)

- **Tuning Perpendicular Magnetic Anisotropy by Oxygen Octahedral Rotations in (La_{1-x}Sr_{x}MnO_{3})/(SrIrO_{3}) Superlattices.** *Physical review letters*
  Yi, D., Flint, C. L., Balakrishnan, P. P., Mahalingam, K., Urwin, B., Vailionis, A., N'Diaye, A. T., Shafer, P., Arenholz, E., Choi, Y., Stone, K. H., Chu, J. H., Howe, et al
  2017; 119 (7): 077201

- **Spin transport and dynamics in all-oxide perovskite La2/3Sr1/3MnO3/SrRuO3 bilayers probed by ferromagnetic resonance** *PHYSICAL REVIEW B*
  Emori, S., Alaan, U. S., Gray, M. T., Sluka, V., Chen, Y., Kent, A. D., Suzuki, Y.
  2016; 94 (22)

- **Interfacial Symmetry Control of Emergent Ferromagnetism at the Nanoscale.** *Nano letters*
  Grutter, A. J., Vailionis, A., Borchers, J. A., Kirby, B. J., Flint, C. L., He, C., Arenholz, E., Suzuki, Y.
  2016; 16 (9): 5647-5651

- **Controlling disorder-mediated exchange bias in (Mn,Zn,Fe)(3)O-4 thin films** *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*
  Alaan, U. S., Sreenivasulu, G., Yu, K. M., Jenkins, C., Shafer, P., Arenholz, E., Srinivasan, G., Suzuki, Y.
  2016; 405: 129-136

- **Reversible control of magnetism in La0.67Sr0.33MnO3 through chemically-induced oxygen migration** *APPLIED PHYSICS LETTERS*
  Grutter, A. J., Gilbert, D. A., Alaan, U. S., Arenholz, E., Maranville, B. B., Borchers, J. A., Suzuki, Y., Liu, K., Kirby, B. J.
  2016; 108 (8)

- **Gd-doped BaSnO3: A transparent conducting oxide with localized magnetic moments** *APPLIED PHYSICS LETTERS*
  Alaan, U. S., Shafer, P., N'Diaye, A. T., Arenholz, E., Suzuki, Y.
  2016; 108 (4)

- **Electronic and magnetic phenomena at the interface of LaAlO3 and Ru doped SrTiO3** *APPLIED PHYSICS LETTERS*
  Gray, M. T., SANDERS, T. D., Jenkins, C. A., Shafer, P., Arenholz, E., Suzuki, Y.
  2015; 107 (24)

- **LaAlO3/SrTiO3 interfaces doped with rare-earth ions** *PHYSICAL REVIEW B*
  Sanders, T. D., Gray, M. T., Wong, F. J., Suzuki, Y.
  2015; 91 (20)

- **Magnetotransport in La0.7Sr0.3MnO3/CuCr2O4/Fe3O4 magnetic junctions** *APPLIED PHYSICS LETTERS*
  Iwata-Harms, J. M., Chopdekar, R. V., Wong, F. J., Nelson-Cheeseman, B. B., Jenkins, C. A., Arenholz, E., Suzuki, Y.
  2015; 106 (1)

- **Magnetism in CaMnO3 thin films** *JOURNAL OF APPLIED PHYSICS*
  Flint, C. L., Grutter, A. J., Jenkins, C. A., Arenholz, E., Suzuki, Y.
  2014; 115 (17)

- **Insulating Ferromagnetic LaCoO3-delta Films: A Phase Induced by Ordering of Oxygen Vacancies** *PHYSICAL REVIEW LETTERS*
  Biskup, N., Salafranca, J., Mehta, V., Oxley, M. P., Suzuki, Y., Pennycook, S. J., Pantelides, S. T., Varela, M.
  2014; 112 (8)

- **Stabilization of spin-zero Ru4+ through epitaxial strain in SrRuO3 thin films** *PHYSICAL REVIEW B*
  Grutter, A. J., Wong, F. J., Jenkins, C. A., Arenholz, E., Vailionis, A., Suzuki, Y.

2013; 88 (21)

- **Quasi-two-dimensional electron gas behavior in doped LaAlO3 thin films on SrTiO3 substrates** *APPLIED PHYSICS LETTERS*
  Gray, M. T., SANDERS, T. D., Wong, F. J., Grutter, A. J., Alaan, U. S., He, C., Jenkins, C. A., Arenholz, E., Suzuki, Y.
  2013; 102 (13)
- **Gigahertz-frequency operation of a LaAlO3/SrTiO3-based nanotransistor** *APPLIED PHYSICS LETTERS*
  Irvin, P., Huang, M., Wong, F. J., SANDERS, T. D., Suzuki, Y., Levy, J.
  2013; 102 (10)
- **Oxygen Vacancy Ordering: a degree of freedom that can control the structural, electronic, and magnetic properties of transition-metal-oxide films** *Physical Review Letters*
  Biskup, N., Salafranca, J., Mehta, V., Suzuki, Y., Pennycook, S. J., Pantelides, S. T., Varela, M.
  2013
- **Interfacial Ferromagnetism in LaNiO3/CaMnO3** *Physical Review Letters*
  Grutter, A. J., Kirby, B. J., Fitzsimmons, M. R., Yang, H., Browning, N. D., Jenkins, C. A., Arenholz, E., Mehta, V. V., Alaan, U. S., Suzuki, Y.
  2013; 111: 087202
- **Growth of Doped LaAlO3 Thin Films for Modified Quasi-Two Dimensional Electron Gases** *Applied Physics Letters*
  Gray, M. T., Sanders, T. D., Wong, F. J., Grutter, A. J., Alaan, U. S., He, C., Arenholz, E., Jenkins, C., Suzuki, Y.
  2013; 102: 131601
- **Magnetism in CaMnO3 Thin Films** *Journal of Applied Physics*
  Flint, C. L., Grutter, A. J., Jenkins, C. A., Arenholz, E., Suzuki, Y.
  2013
- **Interfacial Ferromagnetism and Exchange Bias in CaRuO3/CaMnO3 Superlattices** *PHYSICAL REVIEW LETTERS*
  He, C., Grutter, A. J., Gu, M., Browning, N. D., Takamura, Y., Kirby, B. J., Borchers, J. A., Kim, J. W., Fitzsimmons, M. R., Zhai, X., Mehta, V. V., Wong, F. J., Suzuki, et al
  2012; 109 (19)
- **Tuning the Performance of Organic Spintronic Devices Using X-Ray Generated Traps** *PHYSICAL REVIEW LETTERS*
  Rybicki, J., Lin, R., Wang, F., Wohlgenannt, M., He, C., Sanders, T., Suzuki, Y.
  2012; 109 (7)
- **Metal-insulator transitions in epitaxial LaVO3 and LaTiO3 films** *PHYSICAL REVIEW B*
  He, C., SANDERS, T. D., Gray, M. T., Wong, F. J., Mehta, V. V., Suzuki, Y.
  2012; 86 (8)
- **Controlling spin ordering in frustrated magnets via thin film heteroepitaxy** *PHYSICAL REVIEW B*
  Iwata-Harms, J. M., Wong, F. J., Alaan, U. S., Kirby, B. J., Borchers, J. A., Toney, M. F., Nelson-Cheeseman, B. B., Liberati, M., Arenholz, E., Suzuki, Y.
  2012; 85 (21)
- **Interplay between magnetism and chemical structure at spinel-spinel interfaces** *JOURNAL OF APPLIED PHYSICS*
  Nelson-Cheeseman, B. B., Chopdekar, R. V., Toney, M. F., Arenholz, E., Suzuki, Y.
  2012; 111 (9)
- **Evidence of high-spin Ru and universal magnetic anisotropy in SrRuO3 thin films** *PHYSICAL REVIEW B*
  Grutter, A. J., Wong, F. J., Arenholz, E., Vailionis, A., Suzuki, Y.
  2012; 85 (13)
- **Structure and magnetism of nanocrystalline and epitaxial (Mn,Zn,Fe)(3)O-4 thin films** *JOURNAL OF APPLIED PHYSICS*
  Alaan, U. S., Wong, F. J., Grutter, A. J., Iwata-Harms, J. M., Mehta, V. V., Arenholz, E., Suzuki, Y.
  2012; 111 (7)
- **Ferrimagnetism un PrCoO3 Epitaxial Films** *Rapid Communications Physical Review B*
  Mehta, V. V., Bose, S., Iwata-Harms, J., Arenholz, E., Leighton, C., Suzuki, Y.
  2012; 87: 020405

- **Electronic Tuning of La2/3Sr1/3MnO3 thin films via epitaxy** *Journal of Applied Physics*
  Wong, F. J., Zhu, S., Iwata-Harms, J. M., Suzuki, Y.
  2012; 111: 063920
- **Controlling Spin Ordering in Canted Magnets via Heteroepitaxy** *Physical Review B*
  Iwata-Harms, J. M., Wong, F. J., Kirby, B. J., Borchers, J. A., Toney, M. F., Nelson-Cheeseman, B. B., Liberati, M., Arenholz, E., Suzuki, Y.
  2012; 85: 214424
- **Structure and magnetism of nanocrystalline and epitaxial (Mn,Zn,Fe)3O4 thin films** *Journal of Applied Physics*
  Alaan, U. S., Wong, F. J., Grutter, A. J., Iwata-Harms, J. M., Mehta, V. V., Arenholz, E., Suzuki, Y.
  2012; 111: 07A337
- **Electronic Tuning of La2/3Sr1/3MnO3 thin films via epitaxy** *Journal of Applied Physics*
  Wong, F. J., Zhu, S., Iwata-Harms, J. M., Suzuki, Y.
  2012; 111: 063920
- **Interplay between Magnetism and Chemical Structure at Spinel-Spinel Interfaces** *Journal of Applied Physics*
  Nelson-Cheeseman, B. B., Chopdekar, R. V., Arenholz, E., Suzuki, Y.
  2012; 111: 093903
- **Role of magnetic anisotropy in spin-filter junctions** *PHYSICAL REVIEW B*
  Chopdekar, R. V., Nelson-Cheeseman, B. B., Liberati, M., Arenholz, E., Suzuki, Y.
  2011; 83 (22)
- **Interfacial magnetism in CaRuO3/CaMnO3 superlattices grown on (001) SrTiO3** *JOURNAL OF APPLIED PHYSICS*
  He, C., Zhai, X., Mehta, V. V., Wong, F. J., Suzuki, Y.
  2011; 109 (7)
- **Organic spin-valves based on fullerene C-60** *3rd International Meeting on Spins in Organic Semiconductors (SPINOS III)*
  Lin, R., Wang, F., Wohlgenannt, M., He, C., Zhai, X., Suzuki, Y.
  ELSEVIER SCIENCE SA.2011: 553–57
- **Magnetic domain structure of La0.7Sr0.3MnO3 nanoislands: Experiment and simulation** *JOURNAL OF APPLIED PHYSICS*
  Kim, E. J., Watts, J. L., Harteneck, B., Scholl, A., Young, A., Doran, A., Suzuki, Y.
  2011; 109 (7)
- **Ferromagnetism enhanced by structural relaxation of biaxially compressed LaCoO3 films** *JOURNAL OF APPLIED PHYSICS*
  Mehta, V., Suzuki, Y.
  2011; 109 (7)
- **Magnetic Domain Structures of La0.7Sr0.3MnO3 Nanoislands: Experiment and Simulation** *Journal of Applied Physics*
  Kim, E. J., Watts, J. L., Harteneck, B., Scholl, A., Young, A., Doran, A., Suzuki, Y.
  2011; 109: 07D712
- **Organic Spin Valves Based on C60** *Synthetic Metals*
  Lin, R., Wang, F. J., Wohlgenannt, M., He, C. Y., Zhai, X. F., Suzuki, Y.
  2011; 161: 553
- **Modified magnetic ground state in NiMn2O4 thin films** *PHYSICAL REVIEW B*
  Nelson-Cheeseman, B. B., Chopdekar, R. V., Iwata, J. M., Toney, M. F., Arenholz, E., Suzuki, Y.
  2010; 82 (14)
- **Disorder and localization at the LaAlO3/SrTiO3 heterointerface** *PHYSICAL REVIEW B*
  Wong, F. J., Chopdekar, R. V., Suzuki, Y.
  2010; 82 (16)
- **Magnetism at spinel thin film interfaces probed through soft X-ray spectroscopy techniques** *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*
  Chopdekar, R. V., Liberati, M., Takamura, Y., Kourkoutis, L. F., Bettinger, J. S., Nelson-Cheeseman, B. B., Arenholz, E., Doran, A., Scholl, A., Muller, D. A., Suzuki, Y.

2010; 322 (19): 2915-2921

- **Strain-Induced Changes in the Electronic Structure of MnCr2O4 Thin Films Probed by X-Ray Magnetic Circular Dichroism** *PHYSICAL REVIEW LETTERS*
  Van der Laan, G., Chopdekar, R. V., Suzuki, Y., Arenholz, E.
  2010; 105 (6)
- **Room temperature magnetic barrier layers in magnetic tunnel junctions** *PHYSICAL REVIEW B*
  Nelson-Cheeseman, B. B., Wong, F. J., Chopdekar, R. V., Arenholz, E., Suzuki, Y.
  2010; 81 (21)
- **Enhanced magnetization in epitaxial SrRuO3 thin films via substrate-induced strain** *11th Joint MMM-Intermag Conference*
  Grutter, A., Wong, F., Arenholz, E., Liberati, M., Suzuki, Y.
  AMER INST PHYSICS.2010
- **Enhanced magnetism in epitaxial SrRuO3 thin films** *APPLIED PHYSICS LETTERS*
  Grutter, A., Wong, F., Arenholz, E., Liberati, M., Vailionis, A., Suzuki, Y.
  2010; 96 (8)
- **Metallicity in LaTiO3 thin films induced by tetragonal lattice deformation** *Rapid Communications Physical Review B*
  Wong, F. J., Baek, S., Chopdekar, R. V., Mehta, V. V., Jang, H. W., Eom, C. B., Suzuki, Y.
  2010; 81: 161101
- **Tuning the Magnetic Domain Structure of Spin-polarized Complex Oxide Nanostructures** *Functional Oxide Nanostructures and Heterostructures, Mater. Res. Soc. Symp. Proc.*
  Bettinger, J. S., Chopdekar, R. V., Mesler, B. L., Chain, D., Doran, A., Anderson, E., Scholl, A., Suzuki, Y.
  2010: 1256E
- **Competing magnetic anisotropies in an antiferromagnet-ferromagnet-antiferromagnet trilayer** *JOURNAL OF APPLIED PHYSICS*
  Bali, R., Nelson-Cheeseman, B. B., Scholl, A., Arenholz, E., Suzuki, Y., Blamire, M. G.
  2009; 106 (11)
- **Growth and characterization of superconducting spinel oxide LiTi2O4 thin films** *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*
  Chopdekar, R. V., Wong, F. J., Takamura, Y., Arenholz, E., Suzuki, Y.
  2009; 469 (21): 1885-1891
- **Room-temperature photomagnetism in the spinel ferrite (Mn, Zn, Fe)(3)O-4 as seen via soft x-ray magnetic circular dichroism** *PHYSICAL REVIEW B*
  Bettinger, J. S., Piamonteze, C., Chopdekar, R. V., Liberati, M., Arenholz, E., Suzuki, Y.
  2009; 80 (14)
- **Epitaxial growth and characterization of CaVO3 thin films** *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*
  Liberati, M., Chopdekar, R. V., Mehta, V., Arenholz, E., Suzuki, Y.
  2009; 321 (18): 2852-2854
- **Ferromagnetism in tetragonally distorted LaCoO3 thin films** *53rd Annual Conference on Magnetism and Magnetic Materials*
  Mehta, V. V., Liberati, M., Wong, F. J., Chopdekar, R. V., Arenholz, E., Suzuki, Y.
  AMER INST PHYSICS.2009
- **Enhanced magnetization of CuCr2O4 thin films by substrate-induced strain** *53rd Annual Conference on Magnetism and Magnetic Materials*
  Iwata, J. M., Chopdekar, R. V., Wong, F. J., Nelson-Cheeseman, B. B., Arenholz, E., Suzuki, Y.
  AMER INST PHYSICS.2009
- **Orientation and thickness dependence of magnetization at the interfaces of highly spin-polarized manganite thin films** *PHYSICAL REVIEW B*
  Chopdekar, R. V., Arenholz, E., Suzuki, Y.
  2009; 79 (10)
- **Room temperature photoinduced magnetization of manganese zinc ferrite** *APPLIED PHYSICS LETTERS*
  Bettinger, J. S., Chopdekar, R. V., Suzuki, Y.

2009; 94 (7)

- **Magnetism and Transport of Superconducting Spinel Oxide LiTi2O4 Epitaxial Thin Films** *Physica C*
  Chopdekar, R. V., Arenholz, E., Suzuki, Y.
  2009; 469: 1885
- **Epitaxial growth and character ization of CaVO3 films** *Journal of Magnetism and Magnetic Materials*
  Liberati, M., Chopdekar, R. V., Mehta, V. V., Arenholz, E., Suzuki, Y.
  2009; 321: 2852
- **Epitaxial growth and character ization of CaVO3 films** *Journal of Magnetism and Magnetic Materials*
  Liberati, M., Chopdekar, R. V., Mehta, V. V., Arenholz, E., Suzuki, Y.
  2009; 321: 2852
- **In situ x-ray reflectivity studies of dynamics and morphology during heteroepitaxial complex oxide thin film growth** *JOURNAL OF PHYSICS-CONDENSED MATTER*
  Dale, D., Suzuki, Y., Brock, J. D.
  2008; 20 (26)
- **Interface structure and transport of complex oxide junctions** *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B*
  Nelson-Cheeseman, B. B., Wong, F., Chopdekar, R. V., Chi, M., Arenholz, E., Browning, N. D., Suzuki, Y.
  2008; 26 (4): 1521-1525
- **Control of the magnetic and magnetotransport properties of La0.67Sr0.33MnO3 thin films through epitaxial strain** *APPLIED PHYSICS LETTERS*
  Takamura, Y., Chopdekar, R. V., Arenholz, E., Suzuki, Y.
  2008; 92 (16)
- **Electrical transport and ferromagnetism in Ga1-xMnxAs synthesized by ion implantation and pulsed-laser melting** *JOURNAL OF APPLIED PHYSICS*
  Scarpulla, M. A., Farshchi, R., Stone, P. R., Chopdekar, R. V., Yu, K. M., Suzuki, Y., Dubon, O. D.
  2008; 103 (7)
- **Electronic structure of halogen doped CuCr2Se4** *52nd Annual Conference on Magnetism and Magnetic Materials*
  Liberati, M., Neulinger, J. R., Chopdekar, R. V., Bettinger, J. S., Arenholz, E., Butler, W. H., Stacy, A. M., Idzerda, Y. I., Suzuki, Y.
  AMER INST PHYSICS.2008
- **Magnetism of NiMn2O4-Fe3O4 spinel interfaces** *52nd Annual Conference on Magnetism and Magnetic Materials*
  Nelson-Cheeseman, B. B., Chopdekar, R. V., Bettinger, J. S., Arenholz, E., Suzuki, Y.
  AMER INST PHYSICS.2008
- **Influence of crystal field on anisotropic x-ray magnetic linear dichroism at the Co2+ L-2,L-3 edges** *PHYSICAL REVIEW B*
  van der Laan, G., Arenholz, E., Chopdekar, R. V., Suzuki, Y.
  2008; 77 (6)
- **In-situ Reflectivity Studies of Dynamics and Morphology During Heteroepitaxial Complex Oxide Thin Film Growth** *Journal of Physics: Condensed Matter*
  Dale, D. S., Suzuki, Y., Brock, J. D.
  2008; 20: 264008
- **Influence of Crystal Field on Anisotropic X-ray Magnetic Linear Dichroism at the Co L2,3 Edges** *Physical Review B*
  van der Laan, G., Arenholz, E., Chopdekar, R., Suzuki, Y.
  2008; 77: 64407
- **Hybrid magnetic tunnel junction/spin filter device** *Proceeding of the SPIE*
  Suzuki, Y., Nelson-Cheeseman, B., Wong, F., Chopdekar, R., Arenholz, E.
  2008: 70360U
- **Hybrid magnetic tunnel junction/spin filter device** *Spintronics Conference 2008*
  Suzuki, Y., Nelson-Cheeseman, B., Wong, F., Chopdekar, R., Arenholz, E.
  SPIE-INT SOC OPTICAL ENGINEERING.2008

- **Potential Barrier Lowering and Electrical Transport at the LaAlO3/SrTiO3 Interface** *Condensed Matter Archive*
  Wong, F., Chi, M., Chopdekar, R., Nelson-Cheeseman, B., Browning, N., Suzuki, Y.
  2008; Sept.: arXiv:0809.0926v1
- **Electronic Structure of Halogen Doped CuCrSe4** *Journal of Applied Physics*
  Liberati, M., Neulinger, J. R., Chopdekar, R. V., Bettinger, J. S., Arenholz, E., Butler, W., Stacy, A. M., Idzerda, Y. I., Suzuki, Y.
  2008; 103: 07D711
- **Magnetism and Chemical Structure of Spinel-Spinel Interfaces** *Journal of Applied Physics*
  Nelson-Cheeseman, B. B., Chopdekar, R. V., Bettinger, J. S., Pickett, M., Arenholz, E., Marcus, M. A., Suzuki, Y.
  2008; 103: 07B524
- **Control of the magnetic and magnetotrasnport properties of La0.7Sr0.3MnO3 thin films through epitaxial strain** *Applied Physics Letters*
  Takamura, Y., Chopdekar, R. V., Arenholz, E., Suzuki, Y.
  2008; 92: 162504
- **Hydrogen patterning of Ga1-xMnxAs for planar spintronics** *24th International Conference on Defects in Semiconductors*
  Farshchi, R., Ashby, P. D., Hwang, D. J., Grigoropoulos, C. P., Chopdekar, R. V., Suzuki, Y., Dubon, O. D.
  ELSEVIER SCIENCE BV.2007: 447–450
- **Probing the role of the barrier layer in magnetic tunnel junction transport** *PHYSICAL REVIEW B*
  Nelson-Cheeseman, B. B., Chopdekar, R. V., Alldredge, L. M., Bettinger, J. S., Arenholz, E., Suzuki, Y.
  2007; 76 (22)
- **Magnetism and transport of CuCr2Se4 thin films** *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*
  Bettinger, J. S., Chopdekar, R. V., Liberati, M., Neulinger, J. R., Chshiev, M., Takamura, Y., Alldredge, L. M., Arenholz, E., Idzerda, Y. U., Stacy, A. M., Butler, W. H., Suzuki, Y.
  2007; 318 (1-2): 65-73
- **Angle-dependent Ni2+ x-ray magnetic linear dichroism: Interfacial coupling revisited** *PHYSICAL REVIEW LETTERS*
  Arenholz, E., van der Laan, G., Chopdekar, R. V., Suzuki, Y.
  2007; 98 (19)
- **Growth and structure of PbVO3 thin films** *APPLIED PHYSICS LETTERS*
  Martin, L. W., Zhan, Q., Suzuki, Y., Ramesh, R., Chi, M., Browning, N., Mizoguchi, T., Kreisel, J.
  2007; 90 (6)
- **Polar and magnetic properties of PbVO3 thin films** *PHYSICAL REVIEW B*
  Kumar, A., Martin, L. W., Denev, S., Kortright, J. B., Suzuki, Y., Ramesh, R., Gopalan, V.
  2007; 75 (6)
- **In-situ Studies of Pulsed Laser Deposition Growth at CHESS** *Synchrotron Radiation News*
  Dale, D., Fleet, A., Woll, A., Suzuki, Y., Brock, J. D.
  2007; 20: 32
- **2D-patterned ferromagnetic III-Mn-V semiconductors for planar spintronics** *33rd International Symposium on Compound Semiconductors*
  Farshchi, R., Chopdekar, R. V., Suzuki, Y., Ashby, P. D., Sharp, I. D., Beeman, J. W., Haller, E. E., Dubon, O. D.
  WILEY-V C H VERLAG GMBH.2007: 1755–58
- **2D-patterned ferromagnetic III-Mn-V semiconductors: towards planar spintronics** *Physica Status Solidi C*
  Farshchi, R., Chopdekar, R. V., Suzuki, Y., Ashby, P. D., Sharp, I. D., Beeman, J. W., Haller, E. E., Dubon, O. D.
  2007; 4: 1755
- **Magneto-Optical Kerr Effect in Multiferroic Nanostructures** *Proceedings of the Materials of Research Society Meeting*
  Corbo, M. T., Straub, F., Zheng, H., la Paz, M. d., Suzuki, Y.
  2007: T14.02
- **Probing the Role of the Barrier in Magnetic Tunnel Junction Transport** *Rapid Communications Physical Review B*
  Nelson-Cheeseman, B. B., Chopdekar, R. V., Alldredge, L. B., Bettinger, J. S., Arenholz, E., Suzuki, Y.
  2007; 76: R220410

- **Magnetoelectric coupling in epitaxial CoFe2O4 on BaTiO3** *APPLIED PHYSICS LETTERS*
  Chopdekar, R. V., Suzuki, Y.
  2006; 89 (18)
- **Spin-polarized conduction in oxide magnetic tunnel junctions with magnetic and nonmagnetic insulating barrier layers** *APPLIED PHYSICS LETTERS*
  Alldredge, L. M., Chopdekar, R. V., Nelson-Cheeseman, B. B., Suzuki, Y.
  2006; 89 (18)
- **Anisotropic x-ray magnetic linear dichroism at the Fe L-2,L-3 edges in Fe3O4** *PHYSICAL REVIEW B*
  Arenholz, E., van der Laan, G., Chopdekar, R. V., Suzuki, Y.
  2006; 74 (9)
- **X-ray scattering from real surfaces: Discrete and continuous components of roughness** *PHYSICAL REVIEW B*
  Dale, D., Fleet, A., Suzuki, Y., Brock, J. D.
  2006; 74 (8)
- **Tuning magnetic domain structure in nanoscale La0.7Sr0.3MnO3 islands** *NANO LETTERS*
  Takamura, Y., Chopdekar, R. V., Scholl, A., Doran, A., Liddle, J. A., Harteneck, B., Suzuki, Y.
  2006; 6 (6): 1287-1291
- **Thickness-dependent properties of (110)-oriented La1.2Sr1.8Mn2O7 thin films** *JOURNAL OF APPLIED PHYSICS*
  Takamura, Y., Chopdekar, R. V., Grepstad, J. K., Suzuki, Y., Marshall, A. F., Vailionis, A., Zheng, H., Mitchell, J. F.
  2006; 99 (8)
- **Complex oxide-based magnetic tunnel junctions with nonmagnetic insulating barrier layers** *JOURNAL OF APPLIED PHYSICS*
  Alldredge, L. M., Chopdekar, R. V., Nelson-Cheeseman, B. B., Suzuki, Y.
  2006; 99 (8)
- **Disorder-induced carrier localization in ultrathin strained SrRuO3 epitaxial films** *JOURNAL OF APPLIED PHYSICS*
  Chopdekar, R. V., Takamura, Y., Suzuki, Y.
  2006; 99 (8)
- **Multiple time scales in diffraction measurements of diffusive surface relaxation** *PHYSICAL REVIEW LETTERS*
  Fleet, A., Dale, D., Woll, A. R., Suzuki, Y., Brock, J. D.
  2006; 96 (5)
- **Fabrication and design of an integrable subwavelength ultrabroadband dielectric mirror** *APPLIED PHYSICS LETTERS*
  Chen, L., Huang, M. C., Mateus, C. F., Chang-Hasnain, C. J., Suzuki, Y.
  2006; 88 (3)
- **Anisotropic X-ray magnetic linear dichroism at the L2,3 edges of Fe3O4** *Physical Review B*
  Arenholz, E., van der Laan, G., Chopdekar, R. V., Suzuki, Y.
  2006; 74: 094407
- **Complex oxide based magnetic tunnel junctions with nonmagnetic insulating barriers** *Journal of Applied Physics*
  Alldredge, L. B., Chopdekar, R. V., Nelson-Cheeseman, B. B., Suzuki, Y.
  2006; 99: 8K303
- **Spin-polarized conduction in oxide magnetic tunnel junctions with spinel/perovskite interfaces** *Applied Physics Letters*
  Alldredge, L. B., Chopdekar, R. V., Nelson-Cheeseman, B. B., Suzuki, Y.
  2006; 89: 182504
- **Fabrication and Design of an Integrable Sub-wavelength Dielectric Mirror** *Applied Physics Letters*
  Chen, L., Huang, M. C. Y., Mateus, C. F. R., Chang-Hasnain, C. J., Suzuki, Y.
  2006; 88: 031102
- **Thickness Dependent Properties of (110)-Oriented La1.2Sr1.8Mn2O7 films** *Journal of Applied Physics*
  Takamura, Y., Grepstad, J. K., Chopdekar, R. V., Marshall, A. F., Zheng, H., Mitchell, J. F., Suzuki, Y.
  2006; 99: 8S902

- **Disorder induced carrier localization in ultra-thin SrRuO3 thin films** *Journal of Applied Physics*
  Chopdekar, R., Takamura, Y., Suzuki, Y.
  2006; 99: 8F503
- **Tuning magnetic domain structure in La0.7Sr0.3MnO3 islands by matrix and substrate strain** *Nano Letters*
  Takamura, Y., Chopdekar, R. V., Scholl, A., Doran, A., Liddle, A. J., Harteneck, B., Suzuki, Y.
  2006; 6: 1287
- **Structural, magnetic, and electronic properties of (110)-oriented epitaxial thin films of the bilayer manganite La1.2Sr1.8Mn2O7** *APPLIED PHYSICS LETTERS*
  Takamura, Y., Grepstad, J. K., Chopdekar, R. V., Suzuki, Y., Marshall, A. F., Zheng, H., Mitchell, J. F.
  2005; 87 (14)
- **Effects of thermal annealing in oxygen on the antiferromagnetic order and domain structure of epitaxial LaFeO3 thin films** *11th International Workshop on Oxide Electronics*
  Grepstad, J. K., Takamura, Y., Scholl, A., Hole, I., Suzuki, Y., Tybell, T.
  ELSEVIER SCIENCE SA.2005: 108–12
- **Observation of Electric Field Induced Magnetization Switching in Epitaxial Ferroelectric/Ferrimagnetic Nanocomposites** *Nano Letters*
  Zavaliche, F., Zheng, H., Mohaddes-Ardabili, L., Yang, S. Y., Zhan, Q., Schafer, P., Reilly, E., Chopdekar, R., Jia, Y., Wright, P., Schlom, D. G., Suzuki, Y., Ramesh, et al
  2005; 5: 1793
- **Oscillating Surface Step Density: Observed Effects on PLD Growth Dynamics** *Physical Review Letters*
  Fleet, A., Dale, D., Suzuki, Y., Brock, J. D.
  2005; 94: 36102
- **Synthesis of Magnetic Self-Assembled Nickel-Rich Oxide Nanowires using a Novel Electrochemical Process, in Magnetic Nanoparticles and Nanowires** *Proc. Mater. Res. Soc.*
  Bhargava, Y. V., Thorne, S. A., Mintz, T. S., Hyams, T. C., Radmilovic, V., Suzuki, Y., Devine, T. M.
  2005; 877E: S7.4
- **Novel method for the electrochemical synthesis of nickel-rich oxide nanowires** *Nano Science and Technology Institute Nanotechnology Conference*
  Thorne, S. A., Bhargava, Y. V., Mintz, T. S., Radmilovic, V., Suzuki, Y., Devine, T. M.
  2005: 630
- **Novel method for the electrochemical synthesis of nickel-rich oxide nanowires** *Nano Science and Technology Institute Nanotechnology Conference*
  Thorne, S. A., Bhargava, Y. V., Mintz, T. S., Radmilovic, V., Suzuki, Y., Devine, T. M.
  2005: 630
- **Magnetics and magnetoresistance in epitaxial magnetite heterostructures** *Symposium on Nanostructured Magnetic Materials held at the TMS 2004 Annual Meeting*
  Chopdekar, R. V., Hu, G., Ford, A. C., Suzuki, Y.
  SPRINGER.2004: 1254–58
- **Colossal magnetoresistance materials-based junctions with antiferromagnetic insulating barriers** *APPLIED PHYSICS LETTERS*
  Alldredge, L. M., Suzuki, Y.
  2004; 85 (3): 437-439
- **Magnetotransport in exchange-coupled magnetite junctions** *9th Joint Magnetism and Magnetic Materials Conference/ International Magnetics Conference*
  Chopdekar, R. V., Hu, G. H., Ford, A. C., Suzuki, Y.
  IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC.2004: 2302–4
- **Magnetic domain structure of colossal magnetoresistance thin films and islands** *9th Joint Magnetism and Magnetic Materials Conference/ International Magnetics Conference*
  Olson, T. W., Olson, J. M., Scholl, A., Suzuki, Y.
  AMER INST PHYSICS.2004: 7354–56

- **Broadband Mirror (1.12- 1.62μm) Using Single Layer Sub-Wavelength Grating** *IEEE Photonics Technology Letters*
  Mateus, C., Huang, M. C., Chen, L., Chang-Hasnain, C., Suzuki, Y.
  2004; 16: 1676
- **Nearly Strain Free Heteroepitaxial System for Fundamental Studies of the pulsed laser deposition growth mechanism: EuTiO3 on SrTiO3** *Journal of Applied Physics*
  Wang, H., Fleet, A., Dale, D., Suzuki, Y., Brock, J. D.
  2004; 96: 5324-8
- **Magnetics and Magnetotransport in Epitaxial Magnetite Heterostructures** *Journal of Electronic Materials*
  Chopdekar, R. V., Hu, G., Ford, A. C., Suzuki, Y.
  2004; 33: 1254
- **Dynamically tuning properties of epitaxial colossal magnetoresistance thin films** *APPLIED PHYSICS LETTERS*
  Dale, D., Fleet, A., Brock, J. D., Suzuki, Y.
  2003; 82 (21): 3725-3727
- **Observation of inverse magnetoresistance in epitaxial magnetite/manganite junctions** *JOURNAL OF APPLIED PHYSICS*
  Hu, G. H., Chopdekar, R., Suzuki, Y.
  2003; 93 (10): 7516-7518
- **The Effect of Changing Epitaxial Strain on Colossal Magnetoresistance Thin Films** *Proceedings of the Materials Research Society*
  Dale, D., Fleet, A., Brock, J. D., Suzuki, Y.
  2003
- **In-plane transport of doped manganite trilayers** *Symposium on Magnetoelectronics and Magnetic Materials-Novel Phenomena and Advanced Characterization*
  Alldredge, L. B., Suzuki, Y.
  MATERIALS RESEARCH SOCIETY.2003: 127–132
- **Studies of Epitaxial Magnetite/Manganite Base Trilayer Junctions** *Journal of Applied Physics*
  Hu, G., Chopdekar, R., Suzuki, Y.
  2003; 93: 7516
- **Negative spin polarization of Fe3O4 in magnetite/manganite-based junctions** *PHYSICAL REVIEW LETTERS*
  Hu, G., Suzuki, Y.
  2002; 89 (27)
- **In-plane Transport of Doped Manganite Trilayers** *Proceedings of the Materials Research Society*
  Alldredge, L. B., Suzuki, Y.
  2002; 746: Q6.8
- **Thermally Activated Sweep Rate Dependence of Magnetic Field Switching Field in Nanostructured Current Perpendicular Spin Valves** *Journal of Magnetism and Magnetic Materials*
  Sun, J. Z., Chen, L., Suzuki, Y., Parkin, S. P., Koch, R. H.
  2002; 247: L237-241
- **Integrated Platform for Photonic Crystal Devices at Near Infrared Wavelengths** *Applied Physics Letters*
  Chen, L., Kohnke, G. E., Suzuki, Y.
  2002; 80: 1514
- **Transport Properties of Cr-Patterned YBa2Cu3O7 Thin Films** *Proceedings of the Materials Research Society*
  Chopdekar, R., Dale, D., Suzuki, Y.
  2002; 689
- **Toward the Integration of Photonic Crystal Structures with Optical Fiber** *Proceedings of the Materials Research Society*
  Suzuki, Y., Chen, L., Kohnke, G. E.
  2002
- **Microstructure and magnetic properties of cobalt ferrite thin films** *8th Joint Magnetism and Magnetic Materials International Magnetics Conference (MMM-INTERMAG)*

Hu, G., Harris, V. G., Suzuki, Y.
IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC.2001: 2347–49

- **Lattice Distortions and Domain Structure in Epitaxial Manganite Thin Films** *Proceedings of the Materials Research Society*
  Suzuki, Y., Wu, Y., Rudiger, U., Yu, J., Kent, A. D., Nath, T. K., Eom, C. B.
  2001; 602: 207
- **Lattice distortions and domain structure in epitaxial manganite thin films** *Symposium on Magnetoresistive Oxides and Related Materials held at the 1999 MRS Fall Meeting*
  Suzuki, Y., Wu, Y., Rudiger, U., Yu, J., Kent, A. D., Nath, T. K., Eom, C. B.
  MATERIALS RESEARCH SOCIETY.2001: 207–217
- **Epitaxial spinel ferrite thin films** *ANNUAL REVIEW OF MATERIALS RESEARCH*
  Suzuki, Y.
  2001; 31: 265-289
- **Nanoscale Magnetic Domain Structure in Colossal magnetoresistance Materials Islands** *Physical Review B Rapid Communications*
  Wu, Y., Matsushita, Y., Suzuki, Y.
  2001; 64: 220404
- **Magnetic anisotropy and strain states of (001) and (110) colossal magnetoresistance thin films** *APPLIED PHYSICS LETTERS*
  Berndt, L. M., Balbarin, V., Suzuki, Y.
  2000; 77 (18): 2903-2905
- **Structural tuning of the magnetic behavior in spinel-structure ferrite thin films** *PHYSICAL REVIEW B*
  Hu, G., Choi, J. H., Eom, C. B., Harris, V. G., Suzuki, Y.
  2000; 62 (2): R779-R782
- **Domain structure and magnetotransport in epitaxial colossal magnetoresistance thin films** *44th Annual Conference on Magnetism and Magnetic Materials*
  Suzuki, Y., Wu, Y., Yu, J., Ruediger, U., Kent, A. D., Nath, T. K., Eom, C. B.
  AMER INST PHYSICS.2000: 6746–48
- **Strained Tuned Magnetic Properties of Epitaxial Cobalt Ferrite Thin Films,** *Proceedings of the Materials Research Society*
  Hu, G., Choi, J. H., Eom, C. B., Suzuki, Y.
  2000
- **In-plane uniaxial magnetic anisotropy of cobalt doped Y3Fe5O12 epitaxial films** *Symposium on Materials Issues for Tunable RF and Microwave Devices*
  Dale, D., Hu, G., Balbarin, V., Suzuki, Y.
  MATERIALS RESEARCH SOCIETY.2000: 95–100
- **Strain tuned magnetic properties of epitaxial cobalt ferrite thin films** *Symposium on Materials Issues for Tunable RF and Microwave Devices*
  Hu, G., Choi, J. H., Eom, C. B., Suzuki, Y.
  MATERIALS RESEARCH SOCIETY.2000: 201–206
- **In-plane Uniaxial Anisotropy of Cobalt Doped Y3Fe5O12 Epitaxial Films** *Proceedings of the Materials Research Society*
  Dale, D., Hu, G., Balbarin, V., Suzuki, Y.
  2000
- **Thickness-dependence of the binary behavior of elongated single-domain cobalt nanostructures** *Journal of Applied Physics*
  Evoy, S. E., Carr, D. W., Sekaric, L., Suzuki, Y., Parpia, J. M., Craighead, H. G.
  2000; 87: 404
- **In-plane uniaxial magnetic anisotropy of cobalt-doped Y3Fe5O12 epitaxial films** *APPLIED PHYSICS LETTERS*
  Dale, D., Hu, G., Balbarin, V., Suzuki, Y.
  1999; 74 (20): 3026-3028
- **Anisotropy of magnetoresistance in (110)La0.7Sr0.3MnO3 thin films** *43rd Annual Conference on Magnetism and Magnetic Materials*
  Suzuki, Y., Hwang, H. Y.
  AMER INST PHYSICS.1999: 4797–99

- **Magnetic anisotropy of epitaxial cobalt ferrite thin films** *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*
  Suzuki, Y., Hu, G., van Dover, R. B., Cava, R. J.
  1999; 191 (1-2): 1-8
- **Magnetotransport and Magnetics in Compressively Strained Colossal Magnetoresistance Thin Films** *Applied Physics Letters*
  Wu, Y., Suzuki, Y., Rudiger, U., Yu, J., Kent, A. D., Nath, T. K., Eom, C. B.
  1999; 75: 2295
- **Magnetic anisotropy of doped manganite thin films and crystals** *7th Joint Magnetism and Magnetic Materials / International Magnetics Conference*
  Suzuki, Y., Hwang, H. Y., Cheong, S. W., Siegrist, T., van Dover, R. B., Asamitsu, A., Tokura, Y.
  AMER INST PHYSICS.1998: 7064–66
- **Magnetic anisotropy and lattice distortions in the doped perovskite manganites** *Symposium on Metallic Magnetic Oxides at the Materials-Research-Society Fall Meeting*
  Suzuki, Y., Hwang, H. Y., Cheong, S. W., van Dover, R. B., Asamitsu, A., Tokura, Y.
  MATERIALS RESEARCH SOCIETY.1998: 41–51
- **Strain stabilized metal-insulator transition in epitaxial thin films of metallic oxide CaRuO3** *APPLIED PHYSICS LETTERS*
  Rao, R. A., Gan, Q., Eom, C. B., Cava, R. J., Suzuki, Y., Krajewski, J. J., Gausepohl, S. C., Lee, M.
  1997; 70 (22): 3035-3037
- **Epitaxial SrRu2O4 Heterostructures** *IEEE Transactions on Applied Superconductivity*
  Madhavan, S., Liu, Y., Schlom, D. G., Dabkowski, A., Dabkowska, H., Suzuki, Y., Takeuchi, I., Trajanovic, Z., Sharma, R. P.
  1997; 7 (2063)
- **The effects of strain on the magnetic anisotropy of doped manganite thin films** *Symposium on Epitaxial Oxide Thin Films III, at the 1997 MRS Spring Meeting*
  Suzuki, Y., Tsai, C., Hwang, H. Y., Cheong, S. W., VANDOVER, R. B.
  MATERIALS RESEARCH SOCIETY.1997: 205–210
- **Temperature dependence of strong exchange coupling in ferrite heterostructures** *9th International Symposium on the Structure and Properties of Magnetic Ultrathin Films, Multilayers, Surfaces, and Nanostructures*
  Suzuki, Y., van Dover, R. B., FELDER, R. J.
  MATERIALS RESEARCH SOCIETY.1997: 587–592
- **Effect of lattice strain on growth mechanisms and electrical transport behavior of epitaxial CaRuO3 thin films** *Symposium on Epitaxial Oxide Thin Films III, at the 1997 MRS Spring Meeting*
  Eom, C. B., Rao, R. A., Gan, Q., Cava, R. J., Krajewski, J. J., Suzuki, Y., Gausepohl, S. C., Lee, M.
  MATERIALS RESEARCH SOCIETY.1997: 199–204
- **Temperature Dependence of Strong Exchange Coupling in Spinel Structure Ferrite Thin Films** *Proceedings of the Materials Research Society*
  Suzuki, Y., Van Dover, R. B., Felder, R. J.
  1997
- **Effects of Stress on the Magnetic Anisotropy of Doped Manganite Thin Films** *Proceedings of the Materials Research Society*
  Suzuki, Y., Tsai, C., Hwang, H. Y., Cheong, S., van Dover, R. B.
  1997
- **The Role of Strain in Magnetic Anisotropy of Doped Manganite Thin Films** *Applied Physics Letters*
  Suzuki, Y., Hwang, H. Y., Cheong, S. W., van Dover, R. B.
  1997; 71: 140
- **Resistivity of single- and multiple-domain thin films of PrBa2Cu3O7 from 0.05 to 500 K** *PHYSICAL REVIEW B*
  Lee, M., Stutzman, M. L., Suzuki, Y., Geballe, T. H.
  1996; 54 (6): R3776-R3779
- **Exchange coupling in single-crystalline spinel-structure (Mn,Zn)Fe2O4/CoFe2O4 bilayers** *PHYSICAL REVIEW B*
  Suzuki, Y., VANDOVER, R. B., GYORGY, E. M., Phillips, J. M., FELDER, R. J.
  1996; 53 (21): 14016-14019

- **Interlayer exchange coupling in amorphous/crystalline NiFe2O4 thin-film bilayers** *40th Annual Conference on Magnetism and Magnetic Materials*
  Korenivski, V., VANDOVER, R. B., Suzuki, Y., GYORGY, E. M., Phillips, J. M., FELDER, R. J.
  AMER INST PHYSICS.1996: 5926–28
- **Magnetic properties of epitaxial ferrite multilayer films** *40th Annual Conference on Magnetism and Magnetic Materials*
  Suzuki, Y., VANDOVER, R. B., GYORGY, E. M., Phillips, J. M., Korenivski, V., Werder, D. J., Chen, C. H., FELDER, R. J., Cava, R. J., Krajewski, J. J., PECK, W. F.
  AMER INST PHYSICS.1996: 5923–25
- **Structure and magnetic properties of epitaxial spinel ferrite thin films** *APPLIED PHYSICS LETTERS*
  Suzuki, Y., VANDOVER, R. B., GYORGY, E. M., Phillips, J. M., Korenivski, V., Werder, D. J., Chen, C. H., Cava, R. J., Krajewski, J. J., PECK, W. F., DO, K. B.
  1996; 68 (5): 714-716
- **Local Structure Study about Co in YBa 2 (Cu 1-x Co x)O 7 Thin Films Using Polarized XAFS** *Physical Review B*
  Bauer, E. D., Bridges, F., Booth, C. H., Boyce, J. B., Claeson, T., Brorsson, G., Suzuki, Y.
  1996; 53: 13352
- **Magnetic Properties of Epitaxial Ferrite Films** *Journal of Applied Physics*
  Suzuki, Y., van Dover, R. B., Gyorgy, E. M., Phillips, J. M., Koreniviski, V., Werder, D., Chen, C. H., Felder, R. J.
  1996; 79: 5923
- **Uniform Deposition YBa2Cu3O7 of thin films over an 8 inch diameter area by a 90° off-axis sputtering technique** *Applied Physics Letters*
  Rao, R., Gan, Q., Enom, C. B., Suzuki, Y., McDaniel, E. B., Hsu, J. P.
  1996; 69: 3911
- **Resistivity of Multiple-Domain and Single- Domain Thin Films of Pr Ba2Cu3O7 from 0.05 K to 500K** *Physical Review B*
  Lee, M., Stutzman, M. L., Suzuki, Y., Geballe, T.
  1996; 54: 3776
- **Epitaxial single crystalline ferrite films for high frequency applications** *Symposium on Epitaxial Oxide Thin Films II, at the 1995 MRS Fall Meeting*
  Suzuki, Y., VANDOVER, R. B., Korenivski, V., Werder, D., Chen, C. H., FELDER, R. J., Phillips, J. M.
  MATERIALS RESEARCH SOC.1996: 473–483
- **Exchange Coupling in Single Crystalline Spinel Structure (Mn,Zn)Fe 2O4 /CoFe2O4 Bilayers** *Physical Review B*
  Suzuki, Y., van Dover, R. B., Gyory, E. M., Phillips, J. M., Felder, R. J.
  1996; 53: 14016
- **Uniform Deposition YBa2Cu3O7 of thin films over an 8 inch diameter area by a 90° off-axis sputtering technique** *Applied Physics Letters*
  Rao, R., Gan, Q., Enom, C. B., Suzuki, Y., McDaniel, E. B., Hsu, J. P.
  1996; 69: 3911
- **Uniform Deposition YBa2Cu3O7 of thin films over an 8 inch diameter area by a 90° off-axis sputtering technique** *Applied Physics Letters*
  Rao, R., Gan, Q., Enom, C. B., Suzuki, Y., McDaniel, E. B., Hsu, J. P.
  1996; 69: 3911
- **THERMALLY ACTIVATED FLUX MOTION IN ALPHA-AXIS YBA2CU3O7/PRBA2CU3O7 SUPERLATTICES** *PHYSICAL REVIEW B*
  Suzuki, Y., Triscone, J. M., Beasley, M. R., Geballe, T. H.
  1995; 52 (9): 6858-6862
- **COEXISTENCE OF METALLIC AND NONMETALLIC CHARGE-TRANSPORT IN PRBA2CU3O7** *PHYSICAL REVIEW B*
  Lee, M., Suzuki, Y., Geballe, T. H.
  1995; 51 (21): 15619-15622
- **PHONON ANOMALIES AT THE MAGNETIC PHASE-TRANSITION IN SRRUO3** *PHYSICAL REVIEW B*
  Kirillov, D., Suzuki, Y., Antognazza, L., Char, K., Bozovic, I., Geballe, T. H.
  1995; 51 (18): 12825-12828

- **Thermally Activated Flux Motion in a-axis YBa2Cu3O7/PrBa2Cu3O7Superlattices** *Physical Review B*
  Suzuki, Y., Triscone, J. M., Beasley, M. R., Geballe, T. H.
  1995; 52: 6858

- **RAMAN-SCATTERING IN FULLY A-AXIS ALIGNED YBA2CU3O7 FILMS - ABSENCE OF THE C-AXIS GAP FEATURE** *International Conference on Materials and Mechanisms of Superconductivity - High Temperature Superconductors IV (M2S-HTSC IV)*
  Kirillov, D., Suzuki, Y., Geballe, T. H., Bozovic, I.
  ELSEVIER SCIENCE BV.1994: 1067–1068

- **PHOTOEMISSION AND TUNNELING STUDY OF EPITAXIAL YBA2CU3O7-DELTA FILMS CLEANED USING AN ATOMIC OXYGEN BEAM** *International Conference on Materials and Mechanisms of Superconductivity - High Temperature Superconductors IV (M2S-HTSC IV)*
  Terada, N., Ahn, C. H., Lew, D., Suzuki, Y., Kihlstrom, K. E., DO, K. B., Arnason, S. B., Geballe, T. H., Hammond, R. H., Beasley, M. R.
  ELSEVIER SCIENCE BV.1994: 1061–1062

- **OBSERVATION OF LONG LOCALIZATION LENGTH ALONG B-AXIS PRBA2CU3O7 IN A-AXIS YBA2CU3O7/A, B-AXIS PRBA2CU3O7 SUPERLATTICES** *International Conference on Materials and Mechanisms of Superconductivity - High Temperature Superconductors IV (M2S-HTSC IV)*
  Suzuki, Y., Triscone, J. M., Eom, C. B., Beasley, M. R., Geballe, T. H.
  ELSEVIER SCIENCE BV.1994: 1459–1460

- **TRANSPORT THROUGH 90-DEGREES [010] BASAL-PLANE-FACED TILT AND TWIST GRAIN-BOUNDARIES IN YBA2CU3O7-DELTA THIN-FILMS** *APPLIED PHYSICS LETTERS*
  Lew, D. J., Suzuki, Y., Marshall, A. F., Geballe, T. H., Beasley, M. R.
  1994; 65 (12): 1584-1586

- **EVIDENCE FOR LONG LOCALIZATION LENGTH ALONG B-AXIS PRBA2CU3O7 IN A-AXIS YBA2CU3O7/A,B-AXIS PRBA2CU3O7 SUPERLATTICES** *PHYSICAL REVIEW LETTERS*
  Suzuki, Y., Triscone, J. M., Eom, C. B., Beasley, M. R., Geballe, T. H.
  1994; 73 (2): 328-331

- **SURFACE STUDY OF YBA2CU3O7-DELTA EPITAXIAL-FILMS CLEANED BY AN ATOMIC OXYGEN BEAM** *APPLIED PHYSICS LETTERS*
  Terada, N., Ahn, C. H., Lew, D., Suzuki, Y., Kihlstrom, K. E., DO, K. B., Arnason, S. B., Geballe, T. H., Hammond, R. H., Beasley, M. R.
  1994; 64 (19): 2581-2583

- **Photoemission and Tunneling Study of YBa2Cu3O7 Epitaxial Films Cleaned using an Atomic Oxygen Beam** *Physica C*
  Terada, N., Ahn, C. H., Lew, D., Suzuki, Y., Kihlstrom, K. E., Do, K. b., Amason, S. B., Hammond, R. H., Geballe, T. H., Beasley, M. R.
  1994; 235-240

- **Evidence of Long Localization Length along b-axis PrBa2Cu3O7~d/ in a-axis YBa2Cu3O7/ a-b axis PrBa2Cu3O7 Superlattices** *Physical Review Letters*
  Suzuki, Y., Triscone, J. M., Eom, C. B., Beasley, M. R., Geballe, T. H.
  1994; 73: 328

- **Surface Study of YBa2Cu3O7 Epitaxial Films Cleaned by an Atomic Oxygen Beam,** *Applied Physics Letters*
  Terada, N., Ahn, C. H., Lew, D., Suzuki, Y., Kihlstorm, K. E., Do, K. B., Amason, S. B., Hammond, R. H., Geballe, T. H., Beasley, M. R.
  1994; 64: 2581

- **Observation of Long Localization Length along b-axis PrBa2Cu3O7~d in a-axis YBa2Cu3O7/PrBa2Cu3O7 Superlattices** *Physica C*
  Suzuki, Y., Triscone, J. M., Eom, C. B., Beasley, M. R., Geballe, T. H.
  1994; 235-240: 1459

- **Transport through 90.(010) basal-planefaced tilt and twist grain boundaries in YBa2Cu3O7 thin films** *Applied Physics Letters*
  Lew, D., Suzuki, Y., Marshall, A. F., Geballe, T. H., Beasley, M. R.
  1994; 65: 1584

- **ANISOTROPIC TRANSPORT-PROPERTIES OF IN-PLANE-ALIGNED A-AXIS YBA2CU3O7 FILMS** *PHYSICAL REVIEW B*
  Suzuki, Y., Lew, D., Marshall, A. F., Beasley, M. R., Geballe, T. H.
  1993; 48 (14): 10642-10645

- **GROWTH MECHANISMS AND PROPERTIES OF 90-DEGREES GRAIN-BOUNDARIES IN YBA2CU3O7 THIN-FILMS** *PHYSICAL REVIEW B*
  Eom, C. B., Marshall, A. F., Suzuki, Y., Geballe, T. H., Boyer, B., Pease, R. F., VANDOVER, R. B., Phillips, J. M.

1992; 46 (18): 11902-11913

- **A-AXIS-ORIENTED YBA2CU3O7/PRBA2CU3O7 SUPERLATTICES - GROWTH AND TRANSPORT-PROPERTIES** *JOURNAL OF ALLOYS AND COMPOUNDS*
  Triscone, J. M., Eom, C. B., Suzuki, Y., Geballe, T. H.
  1992; 183: 224-240
- **A-axis YBa2Cu3O7/PrBa2Cu3O7 Superlattices: Synthesis and Transport Properties** *Journal of Alloys and Compounds*
  Triscone, J. M., Eom, C. B., Suzuki, Y., Geballe, T. H.
  1992; 183: 224
- **SYNTHESIS AND TRANSPORT-PROPERTIES OF A-AXIS YBA2CU3O7/PRBA2CU3O7 SUPERLATTICES** *CONF ON PROGRESS IN HIGH-TEMPERATURE SUPERCONDUCTING TRANSISTORS AND OTHER DEVICES*
  Eom, C. B., Triscone, J. M., Suzuki, Y., Geballe, T. H.
  SPIE - INT SOC OPTICAL ENGINEERING.1992: 32–33
- **Growth Mechanisms and Properties of 90° Grain Boundaries in YBa2Cu3O7 Thin Films** *Physical Review B1*
  Eom, C. B., Maeshall, A. F., Suzuki, Y., Geballe, T. H., Boyer, B., Pease, R. W., van Dover, R. B., Phillips, J. M.
  1992; 46: 32
- **Synthesis and Properties of a-axis YBa2Cu3O7/PrBa2CuO3O7 Superlattices** *Proceedings of the International Society of Optical Engineering*
  Enom, C. B., Triscone, J. M., Suzuki, Y., Geballe, T. H.
  1992
- **TRANSPORT-PROPERTIES OF A-AXIS YBA2CU3O7/PRBA2CU3O7 SUPERLATTICES** *INTERNATIONAL CONF ON MATERIALS AND MECHANISMS OF SUPERCONDUCTIVITY HIGH TEMPERATURE SUPERCONDUCTORS 3*
  Eom, C. B., Triscone, J. M., Suzuki, Y., Geballe, T. H.
  ELSEVIER SCIENCE BV.1991: 2065–2066
- **VERTICAL TRANSPORT-PROPERTIES OF A-AXIS ORIENTED YBA2CU3O7/PRBA2CU3O7/YBA2CU3O7 SANDWICH JUNCTIONS** *INTERNATIONAL CONF ON MATERIALS AND MECHANISMS OF SUPERCONDUCTIVITY HIGH TEMPERATURE SUPERCONDUCTORS 3*
  Lew, D., Suzuki, Y., Eom, C. B., Lee, M., Triscone, J. M., Geballe, T. H., Beasley, M. R.
  ELSEVIER SCIENCE BV.1991: 2553–2554
- **Transport Properties of a-axis YBa2Cu3O7~d/PrBa2Cu3O7~d Superlattices** *Physica C*
  Enom, C. B., Triscone, J. M., Suzuki, Y., Geballe, T. H.
  1991; 185-189: 2065
- **Vertical Transport Properties of a-axis Oriented YBa2Cu3O7~d/PrBa2Cu3O7~d / YBa2Cu3O7~d Sandwich Junctions,** *Physica C*
  Lew, D., Suzuki, Y., Eom, C. B., Lee, M., Triscone, J. M., Geballe, T. H., Beasley, M. R.
  1991; 185-189: 2553
- **Absence of Weak-link Behavior in YBa2Cu3O7 Connected by 90° (010) Twist Boundaries** *Nature*
  Enom, C. B., Marshall, A. F., Suzuki, Y., Geballe, T. H., Boyer, B., Pease, R. W.
  1991; 353: 544