

Publications of Alexander A. Fisher

A. A. Fisher, E. F. C. Dreyer, A. Chakrabarty and S. C. Rand, "I. Experiments on Radiant Optical Magnetization in Solids", Optics Express (to be published)

A. A. Fisher, E. F. C. Dreyer, A. Chakrabarty and S. C. Rand, "II. Theory of Induced Optical Magnetization", Optics Express (to be published)

A.A. Fisher, E.F. Cloos, W.M. Fisher, and S.C. Rand, "Dynamic Symmetry-breaking in a Simple Quantum Model of Magneto-Electric Rectification, Optical Magnetization, and Harmonic Generation", Optics Express Vol. 22, No. 3, 2910 (2014).

(Invited) A.A. Fisher, E.F. Dreyer, A. Chakrabarty, and S.C. Rand, On the Origin of Intense Optical Magnetism in Natural Materials, Progress in Quantum Electronics (PQE'16), Snowbird, Utah, January 4-8 (2016).

A. Chakrabarty, A. A. Fisher, E. F. C. Dreyer, and S. C. Rand, "Four-fold enhancement of Transverse Optical Magnetism in Unstructured Solids", Quantum Electronics & Laser Spectroscopy (QELS '15), San Jose, California, May 10-15, 2015, paper FW3D.

A.A. Fisher, A. Chakrabarty, E.F.C. Dreyer, and S.C. Rand, "Depolarizing Molecular Rotations in Magneto-electric Light Scattering", Frontiers in Optics/Laser Science (FiO'15), San Jose, CA, 2015.

A. Chakrabarty, C. Zhang, A.A. Fisher, E.F.C. Dreyer, Q. Li, L.J. Guo, S.C. Rand, "Nonlinear Magnetic Scattering from Polymer Micro-ring Resonators", Frontiers in Optics/Laser Science (FiO'15), San Jose, CA, 2015.

S.C. Rand, E. Cloos, A. Fisher, and W.M. Fisher, "Induced Magnetic Scattering in Non-Magnetic Solids", Nonlinear Optics (NLO'13), Topical Meeting of the Optical Society of America, Hawaii, 2013, Postdeadline Paper PTh3A.7.

E. Cloos, A. Fisher, W.M. Fisher, and S.C. Rand, "Experiments & Analysis of Second-order Magnetization in Centrosymmetric GGG Crystals", Annual Meeting of the Optical Society of America (FiO'13), Orlando, Florida, LTu1H.1.