List Of 2016 Reports

ID#	Title, First Author, and Category	Status
19	**Title:** Spin-Lattice Coupling Across the magnetic Saturation Transition in Multiferroic [(CH3)2NH2]Mn(HCOO)3 **First Author:** Clune, A., University of Tennessee, Chemistry, aclune@ion.chem.utk.edu **PI:** Musfeldt, J. L., University of Tennessee, Chemistry, musfeldt@utk.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 35 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation: No** **Director's Comments:** None	Edited
66	**Title:** Phase Diagram of URu2-xFexSi2 in High Magnetic Fields **First Author:** Ran, S, UC, San Diego, Physics, sran@ucsd.edu **PI:** Maple, M. B., UC, San Diego, Physics, mbmaple@ucsd.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 45 T **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
80	**Title:** Directional Dichroism of THZ Radiation in the Canted AFM Phase of BiFeO3 **First Author:** Rõõm, T, National Institute of Chemical Physics and Biophysics, toomas.room@kbfi.ee **PI:** Rõõm, T, National Institute of Chemical Physics and Biophysics, toomas.room@kbfi.ee **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 35 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
87	**Title:** Probing Molecular Magnetism by Infrared & Raman Spectroscopies in Magnetic Fields **First Author:** Moseley, D.H., University of Tennessee, Chemistry, dmosele4@utk.edu **PI:** Xue, Z.L., University of Tennessee, Chemistry, xue@ion.chem.utk.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 14 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
88	**Title:** Probing Molecular Magnetism by Infrared & Raman Spectroscopies in Magnetic Fields **First Author:** Moseley, D.H., University of Tennessee, Chemistry, dmosele4@utk.edu **PI:** Xue, Z.L., University of Tennessee, Chemistry, xue@ion.chem.utk.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 35 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
92	**Title:** High-Field ESR in the Frustrated Spin-Ladder Compound BCPO **First Author:** Zvyagin, S.A., HZDR-HLD, s.zvyagin@hzdr.de **PI:** Zvyagin, S.A., HZDR-HLD, s.zvyagin@hzdr.de **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 35 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
99	**Title:** Multi-Frequency High-Field EPR on a Series of Fe6 Single Molecule Magnets **First Author:** Nehrkorn, J, University of Washington, Department of Chemistry, nehrkorn@uw.edu **PI:** Nehrkorn, J, University of Washington, Department of Chemistry, nehrkorn@uw.edu	Edited

	Category: Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 14.5 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	
106	**Title:** High Field Magnetization in FePS3 **First Author:** Wildes, A. R., Institut Laue-Langevin, wildes@ill.fr **PI:** Wildes, A. R., Institut Laue-Langevin, wildes@ill.fr **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
107	**Title:** High Field Magnetization in FePS3 **First Author:** Wildes, A. R., Institut Laue-Langevin, Institut Laue-Langevin, wildes@ill.fr **PI:** Wildes, A. R., Institut Laue-Langevin, Institut Laue-Langevin, wildes@ill.fr **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
113	**Title:** HFEPR Investigations of (i) Anisotropy of Magnetic Clusters, and (ii) Quantum Mechanical Interactions between Structural Building Units in Polymers **First Author:** Lampropoulos, C., University of North Florida, Chemistry, c.lampropoulos@unf.edu **PI:** Lampropoulos, C., University of North Florida, Chemistry, c.lampropoulos@unf.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 17 T **UCGP:** No **VSP:** No **Published in** Inorg. Chem. 2016, 55, 1367-1369. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
117	**Title:** Quantum Critical Behavior of a Spin 1/2 Heisenberg Chain **First Author:** Hoch, MJR, NHMFL, hoch@magnet.fsu.edu **PI:** Hoch, MJR, NHMFL, hoch@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
122	**Title:** Quantum Oscillations in Binary FeAs **First Author:** Campbell, D. J., University of Maryland, Center for Nanophysics and Advanced Materials, Department of Physics, djcampbe@umd.edu **PI:** Paglione, J., University of Maryland, Center for Nanophysics and Advanced Materials, Department of Physics, paglione@umd.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 35 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Edited
123	**Title:** Electric and Magnetic Phase Diagram of Triangular Lattice Antiferromagnet Ba3NiTa2O9 **First Author:** Lee, M, Florida State University, mlee@unist.ac.kr **PI:** Choi, E. S., Florida State University/NHMFL, echoi@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** Yes **VSP:** Yes **Submitted to** Material Research Bulletin **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited

137	**Title:** Electrically Polarized NMR and Nematic Phase of Quasi-2D Antiferromagnet CuCrO2 **First Author:** Sakhratov, Yu.A., Kazan State Power Engineering University, sakhratov@gmail.com **PI:** Sakhratov, Yu.A., Kazan State Power Engineering University, sakhratov@gmail.com **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 30 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** **Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
143	**Title:** Magnetic Properties of Doped Mn-Ga Alloys **First Author:** han, k, MagLab, han@magnet.fsu.edu **PI:** han, k, MagLab, han@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 31 T **UCGP:** No **VSP:** No **Published in** AIP Conf. Proc. 6 (2016) **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
162	**Title:** Phase Transformation of Fe-N in High Magnetic field Annealing **First Author:** Ma, M, University of Minnesota, Electrical and Engineering, bmagn@umn.edu **PI:** Ma, M, University of Minnesota, Electrical and Engineering, bmagn@umn.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
165	**Title:** New High-field Phase in the Non-Collinear Antiferromagnet Mn3Sn **First Author:** Shimura, Y.S., Institute for Solid State Physics, The University of Tokyo, simu@issp.u-tokyo.ac.jp **PI:** Nakatsuji, S.N., Institute for Solid State Physics, The University of Tokyo, satoru@issp.u-tokyo.ac.jp **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 80 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
168	**Title:** Magnetic Exchange Disorder in Low-Dimensional Quantum Magnets **First Author:** Blackmore, W J A, University of Warwick, Physics, W.J.A.Blackmore@warwick.ac.uk **PI:** Goddard, P A, University of Warwick, Physics, P.Goddard@warwick.ac.uk **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 40 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
184	**Title:** Fermi Surface Investigation of CeAuAl4Ge2 **First Author:** Zhang, S., National High Magnetic Field Laboratory - FSU, CMS, szhang@magnet.fsu.edu **PI:** Baumbach, R. E., National High Magnetic Field Laboratory, CMS, baumbach@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** **Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
197	**Title:** Tuning of Nickel Based Low-Dimensional Quantum Magnets **First Author:** Blackmore, W J A, University of Warwick, Physics, W.J.A.Blackmore@warwick.ac.uk **PI:** Manson, J. L., Eastern Washington University, Chemistry, j.manson@ewu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 14.5 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No	Edited

	Director's Recommendation: No **Director's Comments:** None	
199	**Title:** Characterization of Low-Dimensional Spin-One Antiferromagnets **First Author:** Blackmore, W J A, University of Warwick, Physics, W.J.A.Blackmore@warwick.ac.uk **PI:** Manson, J. L., Eastern Washington University, Chemistry, j.manson@ewu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 14.5 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
200	**Title:** Long-Range Magnetic Order in S = 2 Chain Systems: MnCl3(bpy) and MnF(salen) **First Author:** Fishman, RS, ORNL, fishmanrs@ornl.gov **PI:** Meisel, MW, UF, Physics and NHMFL, meisel@phys.ufl.edu **Category:** Magnetism and Magnetic Materials **Facility:** UF Physics **UCGP:** No **VSP:** No **Published in** Phys. Rev. B Two Phys Rev B papers and one J Condens Matter paper **Sign. Achievement:** No **Director's Recommendation: Yes** **Director's Comments:** None	Edited
202	**Title:** Low-Temperature Specific Heat of Yb2Ti2O7 **First Author:** Padgett, A.S., University of Florida, Department of Physics, padgetta@ufl.edu **PI:** Sun, X.F., University of Science and Technology of China, Hefei National Laboratory for Physical Sciences at Microscale, xfsun@ustc.edu.cn **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 9 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
208	**Title:** New Polyelectrolytr-Stabilised Gd(III)-Based Complexes as a Positive MR Contrast Agents at High Magnetic Field **First Author:** Odintsov, BO, University of Illinois at Urbana-Champaign, bodintso@illinois.edu **PI:** Odintsov, BO, University of Illinois at Urbana-Champaign, bodintso@illinois.edu **Category:** Magnetism and Magnetic Materials **Facility:** NMR Facility **Highest Measured Field:** 21.1 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
209	**Title:** Pressure Tuning the Magnetic Response of CoFe@CrCr-PBA Core@Shell Nanoparticles and the Low-Dimensional Molecular Magnet Cu(H2O)2(en)SO4 **First Author:** Peprah, M.K., UF, Physics and NHMFL, mpeprah@gmail.com **PI:** Meisel, M.W., UF, Physics and NHMFL, meisel@phys.ufl.edu **Category:** Magnetism and Magnetic Materials **Facility:** UF Physics **UCGP: Yes** **VSP:** No **Accepted by** Polyhedron and Acta Physica Polonica A two papers are in press at time of this report **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
211	**Title:** Signatures of Local Magnetic Environment in Transport Properties of i-GdCd Quasicrystal and GdCd6 Approximant **First Author:** Saraswat, G., NHMFL, gsaraswat@magnet.fsu.edu **PI:** Popovic, D., NHMFL, dragana@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
215	**Title:** Study of Spin-Lattice Coupling in SrCu2(BO3)2 With Raman Spectroscopy in High DC Magnetic Fields **First Author:** Saul, S.A ., Marseile Univ., Marseille, France, CINaM/CNRS, Aix-Marseille University, saul@cinam.univ-mrs.fr **PI:** Saul, S.A ., Marseile Univ., Marseille, France, CINaM/CNRS, Aix-Marseille University, saul@cinam.univ-	Edited

	mrs.fr **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 31 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
216	**Title:** Quantum Annealing in Frustrated Ising Magnet Ca3Co2O6 **First Author:** Ding, X, NHFML-PFF, xding@lanl.gov **PI:** Ding, X, NHFML-PFF, xding@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 60 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
217	**Title:** Magnetic Properties of Ln2CoIrO6 **First Author:** Ding, X, NHFML-PFF, xding@lanl.gov **PI:** Ding, X, NHFML-PFF, xding@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 60 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
218	**Title:** Magnetic Properties of Ni2Mo3O8 Single Crystals **First Author:** Ding, X, NHFML-PFF, xding@lanl.gov **PI:** Ding, X, NHFML-PFF, xding@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 60 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
232	**Title:** Lack of Multiferroic Behavior in BaCuSi2O6 is Consistent with the Frustrated Magnetic Scenario for this Material **First Author:** Zapf, V S, LANL, vzapf@lanl.gov **PI:** Batista, CD, University of Tennessee and Oakridge, cbatist2@utk.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 55 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
233	**Title:** Specific Heat of Ba3Co2O6(CO3)0.7 in High Magnetic Fields **First Author:** Padgett, A.S., UF, Physics, padgetta@ufl.edu **PI:** Takano, Y, UF, Physics, takano@phys.ufl.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
235	**Title:** Multiferroic Behavior in a Metal Organic Compound via a Spin State Transition **First Author:** Chikara, S, Los Alamos National Lab, Pulsed Field Facility, NHMFL, schikara@lanl.gov **PI:** Zapf, V. S, Los Alamos National Lab, Pulsed Field Facility, NHMFL, vzapf@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 60 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited

249	**Title:** Investigations of Magnetoelectric Coupling in Cu2+ (S=1/2) Spin Systems **First Author:** Yoo, K., Seoul National University, Department of Physics and Astronomy, ykj24ykj24@gmail.com **PI:** Kim, K.H., Seoul National University, Department of Physics and Astronomy, keehkim@gmail.com **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 60 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
251	**Title:** Thermal Transport on a Shastry-Sutherland Lattice in High Magnetic Fields **First Author:** Kim, C., Seoul National University, Department of Physics and Astronomy, pokemon@snu.ac.kr **PI:** Kim, K. H., Seoul National University, Department of Physics and Astronomy, pokemon@snu.ac.kr **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 35 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
266	**Title:** Investigation of Magnetic Anisotropy Enhancement in Heterobimetallic Complexes **First Author:** Fataftah, M. S., Northwestern University, Chemistry, majedfataftah2018@u.northwestern.edu **PI:** Freedman , D. E., Northwestern University, Chemistry, danna.freedman@northwestern.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 14.5 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
330	**Title:** Magnetization Noise in Ultrathin Pt/Co/Pt Trilayers **First Author:** Balk, A, NHMFL-LANL, crooker@lanl.gov **PI:** Crooker, SA, NHMFL-LANL, crooker@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 1 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
333	**Title:** Pulsed Field Magnetostriction of Ba2CoTeO6 **First Author:** Tanaka, H, Tokyo Inst. of Technology, Physics, tanaka@lee.phys.titech.ac.jp **PI:** Tanaka, H, Tokyo Inst. of Technology, Physics, tanaka@lee.phys.titech.ac.jp **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 60 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
336	**Title:** High-field Magnetostriction of USb Single Crystals **First Author:** Gofryk, K, Idaho National Laboratory , krzysztof.gofryk@inl.gov **PI:** Gofryk, K, Idaho National Laboratory , krzysztof.gofryk@inl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
339	**Title:** Magnetization Measurements on Single Crystals -TeVO4 **First Author:** Tsirlin, A A, Augsburg University, Experimental Physik VI, alexander.tsirlin@physik.uni-augsburg.de **PI:** Tsirlin, A A, Augsburg University, Experimental Physik VI, alexander.tsirlin@physik.uni-augsburg.de **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 35 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation	Edited

	Sign. Achievement: No **Director's Recommendation: No** **Director's Comments:** None	
340	**Title:** Strong Magnetoelectric Coupling in Ti Doped Ca3Ru2O7 Single Crystal in Pulsed Magnetic Field **First Author:** Lei, S, Pennsylvania State University, Pennsylvania State University, sul46@psu.edu **PI:** Gopalan, V, Pennsylvania State University, Pennsylvania State University, vxg8@psu.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
343	**Title:** High-field Magnetostriction of UO2+x Single Crystals (x = 0.033, 0.04, and 0.11) **First Author:** Gofryk, K, Idaho National Laboratory, krzysztof.gofryk@inl.gov **PI:** Gofryk, K, Idaho National Laboratory, krzysztof.gofryk@inl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** **Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
347	**Title:** Magnetostructural Phase Diagram of Multiferroic (ND4)2FeCl5.H2O **First Author:** Clune, A, University of Tennessee, Chemistry, aclune@vols.utk.edu **PI:** Musfeldt, J, University of Tennessee, Chemistry, musfeldt@tennessee.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 666 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
352	**Title:** Electro-Nuclear Atomic Clock Transitions in a Holmium Molecular Qubit **First Author:** Komijani, D.K., NHMFL & FSU, Physics, dk12@my.fsu.edu **PI:** Hill, S.H., NHMFL & FSU, Physics, shill@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 1 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes, definitely** **Director's Comments:** None	Edited
356	**Title:** High-field Magnetotransport in Microstructures of the Frustrated Antiferromagnet Yb2Pt2Pb **First Author:** Helm, T, Max-Planck-Institute for Chemical Physics of Solids, toni.helm@cpfs.mpg.de **PI:** Moll, PJW, Max-Planck-Institute for Chemical Physics of Solids, moll@cpfs.mpg.de **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
367	**Title:** Relating Symmetry to Magnetic Anisotropy in a Trigonal Mn(III) Complex **First Author:** Pei-Rung, G., Fu Jen Catholic University, Taiwan, Chemistry, dog1312002@hotmail.com **PI:** Yang, E, Fu Jen Catholic University, Taiwan, Chemistry, 071549@mail.fju.edu.tw **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 9 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
368	**Title:** Magnetic Anisotropy in the [ErPc2]-[Et4N]+ Molecular Nanomagnet **First Author:** Bonizzoni, C.B., UniMORE and Istituto Nanoscienze CNR Nano S3, Physics, claudio.bonizzoni@unimore.it **PI:** Affronte, M.A., UniMORE and Istituto Nanoscienze CNR Nano S3, Physics, marco.affronte@unimore.it **Category:** Magnetism and Magnetic Materials	Edited

	Facility: EMR Facility **Highest Measured Field:** 1 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
381	**Title:** Assessing the Spin-Relaxation Behavior of a Two-Coordinate Iron(II) Complex **First Author:** Davis, L.M., U. Illinois Urbana-Champaign, lukemdavis@fas.harvard.edu **PI:** Girolami, G.S., U. Illinois Urbana-Champaign, ggirolam@illinois.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 14 T **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
384	**Title:** Investigation of Cu-doped borides, AlFe2-xCuxB2 **First Author:** Shatruk, M, Florida State University, shatruk@chem.fsu.edu **PI:** Shatruk, M, Florida State University, shatruk@chem.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 8 T **UCGP:** Yes **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
387	**Title:** High Magnetic Field Magnetization of a New Triangular Lattice Antiferromagnet **First Author:** zhou, H.D., University of Tennessee/Physics, hzhou10@utk.edu **PI:** zhou, H.D., University of Tennessee/Physics, hzhou10@utk.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 62 T **UCGP:** No **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
388	**Title:** Magnetic Anisotropy Study on trans-[ReIVF4(CN)2]2- **First Author:** Liu, J.-L., CRPP, Bordeaux, France, ljliang1987@gmail.com **PI:** Clérac, R, CRPP, Bordeaux, France, clerac@crpp-bordeaux.cnrs.fr **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 14 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
398	**Title:** Magnetic Field Induced Kitaev Quantum Spin Liquid In α-RuCl3 **First Author:** Alpichshev, Z, MIT, alpishev@mit.edu **PI:** Gedik, N, MIT, gedik@mit.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 17 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
402	**Title:** Multiple Orbital Effects on Magnetic Ordering in Heavy Atom Radicals **First Author:** Winter, S., University of Waterloo, Chemistry, Winter@Physik.uni-frankfurt.de **PI:** Oakley, R., University of Waterloo, Chemistry, oakley@uwaterloo.ca **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 14.5 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
403	**Title:** Mononuclear Magnetic Building Blocks with Giant Axial Anisotropy **First Author:** Craig, G, University of Glasgow, Chemistry, Gavin.Craig@glasgow.ac.uk	Edited

	PI: Murrie, M, University of Glasgow, Chemistry, Mark.Murrie@glasgow.ac.uk **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 15 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
404	**Title:** High-Field EPR Studies of Mononuclear Single-Molecule Magnets with Giant Axial Magnetic Anisotropy **First Author:** Craig, G, University of Glasgow, Chemistry, Gavin.Craig@glasgow.ac.uk **PI:** Murrie, M, University of Glasgow, Chemistry, Mark.Murrie@glasgow.ac.uk **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 35 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
416	**Title:** Probing Dopant Sites in Fe doped ZnO Dilute Magnetic Quantum Dots Using High Frequency EPR **First Author:** Bindra, J. B, FSU, Chemistry, jbindra@chem.fsu.edu **PI:** Strouse, G.F.S, FSU, Chemistry, strouse@chem.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 12 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
417	**Title:** Search for a Tricritical Point of the f-electron Antiferromagnet UBi2 Driven by High Magnetic Fields **First Author:** Stillwell, R.L., Lawrence Livermore National Laboratory, Materials Science Division, stillwell4@llnl.gov **PI:** Butch, N.P., NIST Center for Neutron Research, nicholas.butch@nist.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
419	**Title:** Quantum Criticality in a 1D Heisenberg Linear Chain **First Author:** Hoch, MJR, NHMFL, hoch@magnet.fsu.edu **PI:** Hoch, MJR, NHMFL, hoch@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **Highest Measured Field:** 12 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
434	**Title:** Magnetostriction Measurements in Ca3(Ru0.95Fe0.05)2O7 Single Crystal in Pulsed Magnetic Field **First Author:** Lei, S, Pennsylvania State University, sul46@psu.edu **PI:** Gopalan, V, Pennsylvania State University, vxg8@psu.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 60 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
470	**Title:** Magnetostriction Measurements of SCBO in DC and Pulsed Fields, for Various Temperatures at Ambient Pressure **First Author:** Grockowiak, A, NHMFL, grockowiak@magnet.fsu.edu **PI:** Grockowiak, A, NHMFL, grockowiak@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No	Approved

	Director's Recommendation: No **Director's Comments:** None	
474	**Title:** Magnetostriction in Binary Alloys **First Author:** Lashley, JC, Los Alamos National Laboratory, Sigma Div, j.lash@lanl.gov **PI:** Lashley, JC, Los Alamos National Laboratory, Sigma Div, j.lash@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** **Yes** **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
492	**Title:** Enhanced MRI Relaxivity in Anchor-free PEGylated Iron Oxides: Towards High Performance Targeted Cancer Imaging **First Author:** Beltran-Huarac, J, University of Puerto Rico, juan.beltran1@upr.edu **PI:** Beltran-Huarac, J, University of Puerto Rico, juan.beltran1@upr.edu **Category:** Magnetism and Magnetic Materials **Facility:** MBI-UF AMRIS **Highest Measured Field:** 4.7 T **UCGP:** No **VSP:** **Yes** **Submitted to** Nanoscale Research Letters **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
Total Reports: 62		