List Of 2012 Reports

ID#	Title, First Author, and Category	Status
52	**Title:** High-Resolution Imaging Probe for STRAFI Studies of Solid-Materials **First Author:** Tang, J.A., NHMFL, joel.tang@utoronto.ca **PI:** Fu, R., NHMFL, rfu@magnet.fsu.edu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** **Yes** **VSP:** No **Published in** J. Magn. Reson. vol: 225/page:93-101, 2012 **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes, definitely** **Director's Comments:** None	Edited
193	**Title:** Oscillating and Pulsed Gradient Diffusion Magnetic Resonance Microscopy Over an Extended b-Value Range: Implications for the Characterization of Tissue Microstructure **First Author:** Portnoy, S., UF, Neuroscience, sharon.portnoy@utoronto.ca **PI:** Stanitz, G.J., University of Toronto, Medical Biophysics, stanisz@sri.utoronto.ca **Category:** Magnetic Resonance Technique Development **Facility:** MBI-UF AMRIS **UCGP:** **Yes** **VSP:** No **Accepted by** Magnet. Reson. Med. **Sign. Achievement:** No **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
194	**Title:** ^{7}Li MRI of Battery Materials at 11.75 T **First Author:** Chandrashekar, S., National High Magnetic Field Laboratory, CIMAR, chandrashekar@magnet.fsu.edu **PI:** Chandrashekar, S., National High Magnetic Field Laboratory, CIMAR, chandrashekar@magnet.fsu.edu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** No **Published in** Nature Materials 11, 311-315 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
196	**Title:** Self-Resonant, Implantable, Radio Frequency Circuits for in vivo Magnetic Resonance (MR) Imaging & Spectroscopy **First Author:** Gimi, B.S., Dartmouth College, Radiology and Medicine, Barjor.Gimi@dartmouth.edu **PI:** Gimi, B.S., Dartmouth College, Radiology and Medicine, Barjor.Gimi@dartmouth.edu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
205	**Title:** Selective ^{15}N ? ^{13}C Polarization Transfer for Triple-Resonance NMR Experiments of Uniformly Labeled Aligned Protein Samples **First Author:** Hung, I., NHMFL, hung@magnet.fsu.edu **PI:** Gan, Z., NHMFL, gan@magnet.fsu.edu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
214	**Title:** Testing of a 900 MHz H/C/N NMR PISEMA Probe For Use With Membrane Proteins In Bicelles **First Author:** Doty, D, Doty Scientific, David@dotynmr.com **PI:** Doty, D, Doty Scientific, David@dotynmr.com **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No**	Edited

	Director's Comments: None	
218	**Title:** A New Probe for Optically Pumped NMR in NHMFL Optics Facility **First Author:** Wood, R.M., University of Florida, Chemistry, woodrm@ufl.edu **PI:** Bowers, C.R., University of Florida, Chemistry, russ@ufl.edu **Category:** Magnetic Resonance Technique Development **Facility:** High B/T Facility at UF **UCGP:** Yes **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
235	**Title:** Development and Implementation of the State-of-the-Art Solid-State NMR Pulse Techniques 1) at Ultrahigh Magnetic Fields and 2) for Utilizing ^{14}N Overtone Transition **First Author:** Wi, S., NHMFL, NMR, sungsool@magnet.fsu.edu **PI:** Wi, S., NHMFL, NMR, sungsool@magnet.fsu.edu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
236	**Title:** Design of an MR Probe for in vivo Studies in a 17.6 T, 89 mm Vertical Magnet **First Author:** Mareci, T.H., University of Florida, Biochemistry and Molecular Biology, thmareci@ufl.edu **PI:** Mareci, T.H., University of Florida, Biochemistry and Molecular Biology, thmareci@ufl.edu **Category:** Magnetic Resonance Technique Development **Facility:** MBI-UF AMRIS **UCGP:** Yes **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
238	**Title:** Analysis of the Behavior of Planar Spiral Coils for Superconductive NMR Probes **First Author:** Hooker, J.W., NHMFL, NMR, hooker@magnet.fsu.edu **PI:** Brey, W.W., NHMFL, NMR, wbrey@magnet.fsu.edu **Category:** Magnetic Resonance Technique Development **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
273	**Title:** Sensitivity Enhancement of ^{13}C-^{15}N HETCOR Experiment in Static Solid-State NMR **First Author:** Gopinath, T., University of Minnesota, Biochemistry, gopi@umn.edu **PI:** Veglia, G., University of Minnesota, Biochemistry, vegli001@umn.edu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
284	**Title:** Evaluation of Carbon MRI at 21.1 T **First Author:** Schepkin, V.D., NHMFL/FSU, CIMAR, schepkin@magnet.fsu.edu **PI:** Schepkin, V.D., NHMFL/FSU, CIMAR, schepkin@magnet.fsu.edu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: Efficient Low-? Solid State NMR Probe for Material Chemistry Applications **First Author:** Gor'kov, P.L., NHMFL, pgorkov@magnet.fsu.edu **PI:** Gor'kov, P.L., NHMFL, pgorkov@magnet.fsu.edu	

327	**Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
371	**Title:** Reducing Temporal Field Fluctuations in Powered Magnets Using NMR Measurements **First Author:** Thomson, B.F., User/Researcher Penn State University, bft112@psu.edu **PI:** Brey, W.W., Scholar / Scientist CIMAR, NMR, wbrey@magnet.fsu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
420	**Title:** Nanotheranostics for the Treatment and Diagnosis of Cerebral Amyloid Angiopathy **First Author:** Jaruszewski, K.M., University of Minnesota, Pharmacy, jaruszewski@gmail.com **PI:** Kandimalla, K.K., University of Minnesota, Pharmacy, kandimalla2010@gmail.com **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
421	**Title:** Quadrature RF Surface Coil for In Vivo Rodent Imaging at 21.1 T **First Author:** Muniz, J.A., The Florida State University, Chemical & Biomedical Engineering, muniz@magnet.fsu.edu **PI:** Grant, S.C., The Florida State University, Chemical & Biomedical Engineering, grant@magnet.fsu.edu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
425	**Title:** Optimization of Coaxial RF Waveguides for Traveling Wave MRI at 21.1 T **First Author:** Sagaram, S., The Florida State University, Electrical & Computer Engineering, smritisagaram18@gmail.com **PI:** Grant, S.C., The Florida State University, Chemical & Biomedical Engineering, grant@magnet.fsu.edu **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP: Yes** **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
55	**Title:** Electronic Relaxation of Free Radicals at High Magnetic Fields **First Author:** Lumata, L., UTSW Medical Center, Advanced Imaging Res. Ctr., lloyd.lumata@utsouthwestern.edu **PI:** Merritt, M., UTSW Medical Center, Advanced Imaging Res. Ctr., matthew.merritt@utsouthwestern.edu **Category:** Magnetic Resonance Technique Development **Facility:** EMR Facility **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
118	**Title:** Ultrafast Functional and Diffusion Magnetic Resonance Imaging **First Author:** Leftin, A., Weizmann Institute, avigdorleftin@gmail.com **PI:** Frydman, L., Weizmann Institute, lucio.frydman@weizmann.ac.il **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP: Yes** **VSP: Yes** **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited

119	**Title:** Broadband Inverse-Detected 2D Localized High-Field 13-C MRS **First Author:** Leftin, A., Weizmann Institute, avigdorleftin@gmail.com **PI:** Frydman, L., Weizmann Institute, lucio.frydman@weizmann.ac.il **Category:** Magnetic Resonance Technique Development **Facility:** NMR Facility **UCGP:** No **VSP:** **Yes** **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
36	**Title:** Evidence of Changes in Gray/White Matter in Epileptic Rat Brain Using Fractional Order Diffusion Tensor Imaging (fDTI) at 17.6 T **First Author:** Magin, R.L., University of Illinois at Chicago, Bioengineering, rmagin@uic.edu **PI:** Magin, R.L., University of Illinois at Chicago, Bioengineering, rmagin@uic.edu **Category:** Magnetic Resonance Technique Development **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Submitted to** Magnet. Reson. Med. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
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