List Of 2014 Reports

ID#	Title, First Author, and Category	Status
62	**Title:** Different Types of Diffusion of Carbon Dioxide in Samaria/Alumina Aerogel Catalyst by High Field Diffusion NMR **First Author:** Mueller , R., University of Florida, Chemical Engineering Department, silveram@ufl.edu **PI:** Vasenkov, S., University of Florida, Chemical Engineering Department, svasenkov@che.ufl.edu **Category:** Engineering Materials **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Published in** J. Chem. Phys. 139, 154703 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
63	**Title:** Relationship between Long-Range Diffusion and Diffusion in the ZIF-8 and Polymer Phases of a Mixed-Matrix Membrane by High Field NMR Diffusometry **First Author:** Mueller, R., University of Florida, Chemical Engineering Department, silveram@ufl.edu **PI:** Vasenkov, S., University of Florida, Chemical Engineering Department, svasenkov@che.ufl.edu **Category:** Engineering Materials **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Submitted to** J. Membr. Sci. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
64	**Title:** Exchange Kinetics of CO2 Molecules between the Reacted and Unreacted States in the Mixtures of an Ionic Liquid and CO2 by High Field NMR **First Author:** Hazelbaker, E., University of Florida, Chemical Engineering Department, eric.hazelbaker@UFL.EDU **PI:** Vasenkov, S., University of Florida, Chemical Engineering Department, svasenkov@che.ufl.edu **Category:** Engineering Materials **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Published in** J. Phys. Chem. Lett. 5, 1766-1770 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
65	**Title:** High-magnetic-field annealing on Microstructure and Mechanical Properties of Cu-Fe and Cu-Ag composites **First Author:** Zhao, C.C., Northeastern University, China; NHMFL, zhao@magnet.fsu.edu **PI:** Zuo, X.W., Northeastern University, China, zxwneu@gmail.com **Category:** Engineering Materials **Facility:** DC Field Facility **UCGP: Yes VSP: Yes Published in** Materials Science and Engineering A 619/ 319 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
74	**Title:** Impact of Interface Density and Internal Stress on Properties of Cu-Nb Conductors **First Author:** Han, K, MagLab, han@magnet.fsu.edu **PI:** Han, K, MagLab, han@magnet.fsu.edu **Category:** Engineering Materials **Facility:** MS & T **UCGP:** No **VSP:** No **Published in** J. Alloy Compd. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
191	**Title:** Tensile and Fatigue Testing of the Iter-Central Solenoid Conduit Alloy **First Author:** Walsh, R. P., NHMFL, MS&T, walsh@magnet.fsu.edu **PI:** Walsh, R. P., NHMFL, MS&T, walsh@magnet.fsu.edu **Category:** Engineering Materials **Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
237	**Title:** Acoustic Characterization of Magnetic Fluids **First Author:** Howarth, T. R., U.S. Navy, thomas.howarth@navy.mil **PI:** Howarth, T. R., U.S. Navy, thomas.howarth@navy.mil **Category:** Engineering Materials **Facility:** DC Field Facility	Editing

	UCGP: No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
269	**Title:** Shear Tests of Conduit Insulation for the ITER Central Solenoid **First Author:** McRae, D.M., NHMFL, Florida State University, dmcrae@magnet.fsu.edu **PI:** Walsh, R.P., NHMFL, Florida State University, walsh@magnet.fsu.edu **Category:** Engineering Materials **Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
401	**Title:** NMR Analysis of Halogen Packing in Crystals of Precisely Substituted Polyethylenes. Toward Advanced Polyolefin Materials **First Author:** Alamo, RG, FAMU-FSU Colelge of Engineering, Chemical and Biomedical Engineeirng, alamo@eng.fsu.edu **PI:** Alamo, RG, FAMU-FSU Colelge of Engineering, Chemical and Biomedical Engineeirng, alamo@eng.fsu.edu **Category:** Engineering Materials **Facility:** NMR Facility **UCGP:** No **VSP:** No **Published in** Macromolecules 47, 236 – 245, 2014 **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
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