

List Of 2015 Reports

ID#	Title, First Author, and Category	Status
38	<p>Title: Separation and Characterization of Reactive and Non-Reactive Sulfur in Petroleum and Its Fractions First Author: Lobodin, V.V., National High Magnetic Field Laboratory, Ion Cyclotron Resonance, lobodin@magnet.fsu.edu PI: Rodgers, R.P., National High Magnetic Field Laboratory, Ion Cyclotron Resonance, rodders@magnet.fsu.edu Category: Chemistry - Petroleum Facility: ICR Facility Highest Measured Field: 9.4 T UCGP: No VSP: No Published in Energy & Fuels 29, 6177-6186 Sign. Achievement: No Director's Recommendation: Yes Director's Comments: None</p>	Approved
39	<p>Title: DART Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for Analysis of Complex Organic Mixtures First Author: Lobodin, V.V., National High Magnetic Field Laboratory, Ion Cyclotron Resonance, lobodin@magnet.fsu.edu PI: Rodgers, R.P., National High Magnetic Field Laboratory, Ion Cyclotron Resonance, rodders@magnet.fsu.edu Category: Chemistry - Petroleum Facility: ICR Facility Highest Measured Field: 9.4 T UCGP: No VSP: No Published in Int. J. Mass Spectrom. 378, 186-192 Sign. Achievement: No Director's Recommendation: Yes Director's Comments: None</p>	Approved
76	<p>Title: Effect of the Water Content on Silica Gel for the Isolation of Interfacial Material from Athabasca Bitumen First Author: Clingenpeel, A.C., Florida State University, Chemistry, clingenpeel@magnet.fsu.edu PI: Rodgers, R.P., NHMFL, Future Fuels Institute, rodders@magnet.fsu.edu Category: Chemistry - Petroleum Facility: ICR Facility Highest Measured Field: 9.4 T UCGP: No VSP: No Published in Energy & Fuels 29, 7150-7155 (2015) Sign. Achievement: Yes Director's Recommendation: Yes Director's Comments: None</p>	Approved
79	<p>Title: Novel Method to Isolate Interfacial Material First Author: Jarvis, J.M., NHMFL, ICR, jarvis@magnet.fsu.edu PI: Rodgers, R.P., National High Magnetic Field Laboratory, Future Fuels Institute, rodders@magnet.fsu.edu Category: Chemistry - Petroleum Facility: ICR Facility Highest Measured Field: 9.4 T UCGP: No VSP: No Published in Energy & Fuels 29, 7058-7064 (2015) Sign. Achievement: Yes Director's Recommendation: Yes Director's Comments: None</p>	Approved
82	<p>Title: Identification of Calcium Naphthenate Deposition in South American Oil Fields First Author: Juyal, P., Nalco Champion Energy Service, pjuyal@nalco.com PI: Juyal, P., Nalco Champion Energy Service, pjuyal@nalco.com Category: Chemistry - Petroleum Facility: ICR Facility Highest Measured Field: 9.4 T UCGP: No VSP: No Published in Energy & Fuels 29, 2342-2350 (2015) Sign. Achievement: No Director's Recommendation: Yes Director's Comments: None</p>	Approved
371	<p>Title: Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Characterization of Treated Athabasca Oil Sands Processed Waters First Author: Headley, J.V., Environment Canada, John.Headley@ec.gc.ca PI: Headley, J.V., Environment Canada, John.Headley@ec.gc.ca Category: Chemistry - Petroleum Facility: ICR Facility Highest Measured Field: 9 T UCGP: No VSP: No Published in Energy & Fuels 29, 2768-2773 (2015) Sign. Achievement: Yes Director's Recommendation: Yes Director's Comments: None</p>	Approved

372	<p>Title: Isomeric Separation and Structural Characterization of Acids in Petroleum by Ion Mobility Mass Spectrometry First Author: Lalli, P.M., FSU Future Fuels Institute, lalli@magnet.fsu.edu PI: Rodgers, R.P., NHMFL; FSU Future Fuels Institute, rodders@magnet.fsu.edu Category: Chemistry - Petroleum Facility: ICR Facility Highest Measured Field: 9 T UCGP: No VSP: No Published in Energy & Fuels 29 (6), 3626-3633 (2015) Sign. Achievement: Yes Director's Recommendation: Yes Director's Comments: None</p>	Approved
24	<p>Title: High Field Electron Paramagnetic Resonance Characterization of Electronic and Structural Environments for Paramagnetic Metal Ions and Organic Free Radicals in Deepwater Horizon Oil Spill Tar Balls First Author: Ramachandran, V., Florida State University, Chemistry, ramachan@chem.fsu.edu PI: Dalal, N., Florida State University, Chemistry, dalal@chem.fsu.edu Category: Chemistry - Petroleum Facility: ICR Facility Highest Measured Field: 9.4 T UCGP: No VSP: No Published in Anal. Chem. 87, 2306-2313 Sign. Achievement: Yes Director's Recommendation: Yes Director's Comments: None</p>	Approved
31	<p>Title: Resolving Different Diffusion Modes in a Mixed-Matrix Membrane Using 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: Chemistry - Petroleum Facility: MBI-UF AMRIS Highest Measured Field: 17.6 T UCGP: No VSP: No Published in Journal of Membrane Science 477, 123-130 Sign. Achievement: Yes Director's Recommendation: No Director's Comments: None</p>	Approved
32	<p>Title: Relationship between Mixed and Pure Gas Self-Diffusion for Ethane and Ethene in ZIF-8/6FDA-DAM Mixed-Matrix Membrane by Pulsed Field Gradient 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: Chemistry - Petroleum Facility: MBI-UF AMRIS Highest Measured Field: 17.6 T UCGP: No VSP: No Accepted by Journal of Membrane Science Sign. Achievement: No Director's Recommendation: No Director's Comments: None</p>	Approved
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