

## List Of 2015 Reports

ID#	Title, First Author, and Category	Status
102	<p><b>Title:</b> Origin of the Zero-Field Splitting in Mononuclear Octahedral MnIV complexes: A Combined Experimental and Theoretical Investigation  <b>First Author:</b> Zlatar, M., U. of Belgrade, Serbia, matijaz@chem.bg.ac.rs  <b>PI:</b> Duboc, C., Univ. Grenoble Alpes, carole.duvoc@ujf-grenoble.fr  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 16 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Submitted to Inorg. Chem.</b>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes, definitely</b>  <b>Director's Comments:</b> None</p>	Approved
77	<p><b>Title:</b> Large Fullerenes in Mass Spectra  <b>First Author:</b> Dunk, P.W., NHMFL, ICR, dunk@magnet.fsu.edu  <b>PI:</b> Kroto, H.W., FSU, Chemistry, kroto@chem.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> ICR Facility  <b>Highest Measured Field:</b> 9.4 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in Molecular Physics 113, 1-3 (2015)</b>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes</b>  <b>Director's Comments:</b> None</p>	Approved
90	<p><b>Title:</b> Tethered Bisadducts of C60 and C70 with Addends on a Common Hexagonal Face and a 12-Membered Hole in the Fullerene Cage  <b>First Author:</b> Ceron, M.R., University of Texas El Paso, Chemistry, mrceron@miners.utep.edu  <b>PI:</b> Echegoyen, L., University of Texas El Paso, Chemistry, echegoyen@utep.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> ICR Facility  <b>Highest Measured Field:</b> 9.4 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in J. Am. Chem. Soc. 137, 7502-7508 (2015)</b>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes</b>  <b>Director's Comments:</b> None</p>	Approved
469	<p><b>Title:</b> High Field EPR Study of Catalytically Active Polyoxometalates [Cu(H2O)(TiO)2(AsW9O33)2]12-  <b>First Author:</b> Bindra, J.K., Florida State University, Department of Chemistry and Biochemistry, jbindra@chem.fsu.edu  <b>PI:</b> Dalal, N.S., Florida State University, Department of Chemistry and Biochemistry, dalal@chem.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 12 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes</b>  <b>Director's Comments:</b> None</p>	Approved
135	<p><b>Title:</b> Small Endohedral Metallofullerenes: Exploration of the Structure and Growth Mechanism in the Ti@C2n (2n=26-50) Family  <b>First Author:</b> Mulet-Gas, M., Universitat Rovira i Virgili, Chemistry, mgas@magnet.fsu.edu  <b>PI:</b> Poblet, J.M., Universitat Rovira i Virgili, Chemistry, josepmaria.poblet@urv.cat  <b>Category:</b> Chemistry - General  <b>Facility:</b> ICR Facility  <b>Highest Measured Field:</b> 9.4 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in Chem. Sci. 6, 675-686 (2015)</b>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes</b>  <b>Director's Comments:</b> None</p>	Approved
33	<p><b>Title:</b> Relationship between Single-File Diffusion of Mixed and Pure Gases in Dipeptide Nanochannels by High Field Diffusion NMR  <b>First Author:</b> Dutta, A.R., University of Florida, Chemical Engineering Department, adutta92@ufl.edu  <b>PI:</b> Vasenkov, S., University of Florida, Chemical Engineering Department, svasenkov@che.ufl.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 17.6 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in Chemical Communications 51, 13346-13349</b>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes</b>  <b>Director's Comments:</b> published, high profile work</p>	Approved

53	<p><b>Title:</b> Parahydrogen Enhanced Nuclear Spin Polarization over Shaped Ceria Nanocrystals  <b>First Author:</b> Bowers, C.R., University of Florida, Chemistry, bowers@chem.ufl.edu  <b>PI:</b> Bowers, C.R., University of Florida, Chemistry, bowers@chem.ufl.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> MBI-UF AMRIS  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in Angew. Chem. Int. Ed. 54 (48), 14270-14275.</b>  <b>Sign. Achievement:</b> Yes  <b>Director's Recommendation:</b> Yes  <b>Director's Comments:</b> published, high profile work</p>	Approved
350	<p><b>Title:</b> Record Zero-Field Splitting in a Polymeric Chain Containing Six-Coordinate Ni(II) Ions  <b>First Author:</b> Manson, J.L., Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu  <b>PI:</b> Manson, J.L., Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 15 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> Yes  <b>Director's Recommendation:</b> Yes  <b>Director's Comments:</b> None</p>	Approved
386	<p><b>Title:</b> Spectroscopic Investigation of a High - Spin, Square - Planar Cobalt(II) Complex  <b>First Author:</b> Pascualini, M.E., University of Florida, Chemistry, matiaspascualini@gmail.com  <b>PI:</b> Veige, A.S., University of Florida, Chemistry, veige@chem.ufl.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 14 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in Dalton Trans. Chem. 44/20207-20215</b>  <b>Sign. Achievement:</b> Yes  <b>Director's Recommendation:</b> Yes  <b>Director's Comments:</b> None</p>	Approved
387	<p><b>Title:</b> Spectroscopic Investigation of a High-Valent Cobalt-Carbene  <b>First Author:</b> Bellow, J.A., Wayne State University, Chemistry, jbellow@chem.wayne.edu  <b>PI:</b> Groysman, S., Wayne State University, Chemistry, groysman@chem.wayne.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 14 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Submitted to J. Am. Chem. Soc.</b>  <b>Sign. Achievement:</b> Yes  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
388	<p><b>Title:</b> Assessing the Electronic Structure of a [Gd<sub>6</sub>Fe<sub>13</sub>], 3d-4f Cluster  <b>First Author:</b> Zhou, H., University of Arkansas, hxz001@uark.edu  <b>PI:</b> Zhou, H., University of Arkansas, hxz001@uark.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 8 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
389	<p><b>Title:</b> High-Field EPR and <sup>57</sup>Fe Mössbauer Studies of Complexes Containing Fe-Fe Bonds  <b>First Author:</b> Greer, S., FSU NHMFL, chemistry, smg13v@my.fsu.edu  <b>PI:</b> Thomas, C.M., Brandeis University, Chemistry, thomasc@brandeis.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 14 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
401	<p><b>Title:</b> Detection of Very Small <sup>17</sup>O Hyperfine Coupling Constants by MQMAS  <b>First Author:</b> Hung, I., NHMFL, hung@magnet.fsu.edu  <b>PI:</b> Wu, G., Queen's University, gang.wu@chem.queensu.ca  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved

<a href="#">409</a>	<p><b>Title:</b> Bioactive Phytochemicals from Philippine Medicinal Plants  <b>First Author:</b> Uy, M.M., MSU-IIT, Chemistry, mylene603@yahoo.com  <b>PI:</b> Uy, M.M., MSU-IIT, Chemistry, mylene603@yahoo.com  <b>Category:</b> Chemistry - General  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 14.1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">427</a>	<p><b>Title:</b> Melanocortin Receptor Selective Ligands  <b>First Author:</b> Tala, S.R., University of Minnesota, Medicinal Chemistry, stala@umn.edu  <b>PI:</b> Haskell-Luevano, C., University of Minnesota, Medicinal Chemistry, chaskell@umn.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 14 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">54</a>	<p><b>Title:</b> Parahydrogen Enhanced NMR by Pairwise Replacement Catalysis  <b>First Author:</b> Bowers, C.R., University of Florida, Chemistry, bowers@chem.ufl.edu  <b>PI:</b> Bowers, C.R., University of Florida, Chemistry, bowers@chem.ufl.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 9.4 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in J. Am. Chem. Soc. 137 (5), 1938-1946</b>  <b>Sign. Achievement:</b> Yes  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">55</a>	<p><b>Title:</b> Influence of Nuclear Spin Proximity on Qubit Decoherence in Mononuclear Transition Metal Complexes  <b>First Author:</b> Graham, M.J., Northwestern University, Chemistry, michaelgraham2012@u.northwestern.edu  <b>PI:</b> Freedman, D.E., Northwestern University, Chemistry, danna.freedman@northwestern.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">59</a>	<p><b>Title:</b> 900 MHz High Resolution 1H MAS NMR Study of Displacive Behavior of the Model Order-Disorder Antiferroelectric Ammonium Dihydrogen Arsenate, NH<sub>4</sub>H<sub>2</sub>AsO<sub>4</sub>  <b>First Author:</b> Kweon, J.J., NHMFL, jjkweon@magnet.fsu.edu  <b>PI:</b> Dalal, N.S., NHMFL/FSU, dalal@chem.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Published in Journal of Physical Chemistry C 119, 5013-5019</b>  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">60</a>	<p><b>Title:</b> High Resolution 1H and 31P NMR Detection of Displacive Component in the Mechanism of Ferroelectric Phase Transition in KH<sub>2</sub>PO<sub>4</sub>  <b>First Author:</b> Kweon, J.J., NHMFL, jjkweon@magnet.fsu.edu  <b>PI:</b> Dalal, N.S., NHMFL/FSU, dalal@chem.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 14.1 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">66</a>	<p><b>Title:</b> High-Frequency and -Field EPR of a Hexacoordinate Mn(III) Complex with Axial Compression  <b>First Author:</b> Telser, J., Roosevelt University, Biological, Chemical and Physical Sciences, jtelser@roosevelt.edu  <b>PI:</b> Telser, J., Roosevelt University, Biological, Chemical and Physical Sciences, jtelser@roosevelt.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 17 T</p>	Approved

	<p>UCGP: No VSP: No <b>Published in Inorg. Chem. 54 / 12 / 5691–5706</b>  <b>Sign. Achievement: No</b>  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	
<a href="#">44</a>	<p><b>Title:</b> Use of High-Frequency EPR in Heterogenous Catalysis  <b>First Author:</b> Dinse, K.-P., FU Berlin, Physics, dinse@physik.fu-berlin.de  <b>PI:</b> Dinse, K.-P., FU Berlin, Physics, dinse@physik.fu-berlin.de  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 14 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Submitted to J. Phys. Chem. A</b>  <b>Sign. Achievement: No</b>  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">49</a>	<p><b>Title:</b> High Resolution <sup>15</sup>N NMR Detection of Dynamical Processes in Antiferroelectric Nanoclusters during the Order-disorder Phase Transition in Ammonium Dihydrogen Arsenate, NH<sub>4</sub>H<sub>2</sub>AsO<sub>4</sub>  <b>First Author:</b> Fu, R., NHMFL, rfu@magnet.fsu.edu  <b>PI:</b> Dalal, N.S., NHMFL; Chemistry, FSU, dalal@chem.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21 T  <b>UCGP:</b> <b>Yes</b> <b>VSP:</b> No <b>Published in Phys. Rev. B Rapid Commun. 91, 140102 (2015)</b>  <b>Sign. Achievement: No</b>  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">50</a>	<p><b>Title:</b> High Resolution <sup>13</sup>C CP-MAS NMR Study of the Dielectric Phase Transition in the Metal-Organic Framework [(CH<sub>3</sub>)<sub>2</sub>NH<sub>2</sub>]Zn(HCOO)<sub>3</sub>  <b>First Author:</b> Abhyankar, N., Chemistry, FSU, nandita.abhyankar@gmail.com  <b>PI:</b> Dalal, N.S., NHMFL/Chemistry, FSU, dalal@chem.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 14 T  <b>UCGP:</b> <b>Yes</b> <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement: No</b>  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">154</a>	<p><b>Title:</b> Solid-State NMR Studies of a New Ionic Conductor: Na-doped SrSiO<sub>3</sub>  <b>First Author:</b> Chien, P.-C., Florida State University, Chemistry and Biochemistry, pc14b@my.fsu.edu  <b>PI:</b> Hu, Y.-H., Florida State University, Chemistry and Biochemistry, hu@chem.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 19.6 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Submitted to Chemical Science</b>  <b>Sign. Achievement: Yes</b>  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">181</a>	<p><b>Title:</b> Dimeric and Polymeric Manganese(IV) Complexes with Tetraazaadamantane-Like Ligands  <b>First Author:</b> Premužić, D.P., Philipps University Marburg, Chemistry, dejan.premuzic@googlemail.com  <b>PI:</b> Hołyńska, M.H., Philipps University Marburg, Chemistry, holynska@staff.uni-marburg.de  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 15 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement: No</b>  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">198</a>	<p><b>Title:</b> EPR Studies of Heterometallic Systems Containing MnIII and Rare Earth Ions  <b>First Author:</b> Escobar, L.B.L., Federal Fluminense University, liviaquimica@yahoo.com.br  <b>PI:</b> Vaz, M.G.F., Federal Fluminense University, mgfvaz@gmail.com  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 15 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement: No</b>  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
	<p><b>Title:</b> <sup>17</sup>O &amp; <sup>2</sup>H MAS NMR of XO<sub>4</sub> Anions &amp; CD<sub>3</sub> Dynamics in a CD<sub>3</sub>- Silicate &amp; 4-Phenanthrene  <b>First Author:</b> Jakobsen, H.J., Aarhus University, Chemistry, hja@chem.au.dk</p>	

<a href="#">282</a>	<p><b>PI:</b> Jakobsen, H.J., Aarhus University, Chemistry, <a href="mailto:hja@chem.au.dk">hja@chem.au.dk</a>  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21.1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">290</a>	<p><b>Title:</b> In Situ Studies of Rechargeable Battery Electrodes  <b>First Author:</b> Rose, A., FSU, Chemistry, <a href="mailto:amr14f@my.fsu.edu">amr14f@my.fsu.edu</a>  <b>PI:</b> Hu, Y.-Y., FSU, Chemistry, <a href="mailto:hu@chem.fsu.edu">hu@chem.fsu.edu</a>  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 9.4 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">310</a>	<p><b>Title:</b> Free-Radical Intermediates from Experiments which Mimic the Winds on Planet Mars  <b>First Author:</b> Jakobsen, H.J., Aarhus University, Denmark, Chemistry, <a href="mailto:hja@chem.au.dk">hja@chem.au.dk</a>  <b>PI:</b> Jakobsen, H.J., Aarhus University, Denmark, Chemistry, <a href="mailto:hja@chem.au.dk">hja@chem.au.dk</a>  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 0.4 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">319</a>	<p><b>Title:</b> Inter-Macrocyclic Interactions in Dimanganese(III) Porphyrin Dimers  <b>First Author:</b> Rath, S.P., Indian Institute of Technology, Kanpur, Chemistry, <a href="mailto:sprath@iitk.ac.in">sprath@iitk.ac.in</a>  <b>PI:</b> Rath, S.P., Indian Institute of Technology, Kanpur, Chemistry, <a href="mailto:sprath@iitk.ac.in">sprath@iitk.ac.in</a>  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 14.9 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">320</a>	<p><b>Title:</b> Metal-Metal Interactions in Trinuclear Copper(II) Complexes [Cu<sub>3</sub>(RCOO)<sub>4</sub>(H<sub>2</sub>TEA)<sub>2</sub>]  <b>First Author:</b> Sharma, R.P., Panjab U., Chandigarh, India, Chemistry, <a href="mailto:rpsharma@pu.ac.in">rpsharma@pu.ac.in</a>  <b>PI:</b> Sharma, R.P., Panjab U., Chandigarh, India, Chemistry, <a href="mailto:rpsharma@pu.ac.in">rpsharma@pu.ac.in</a>  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 14.9 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in Inorg. Chem. DOI 10.1021/acs.inorgchem.5b02199 (2015)</b>  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">321</a>	<p><b>Title:</b> Structural Anisotropy in Supercooled Ge<sub>5</sub>Se<sub>95</sub> Liquid under Uniaxial Stress: Results from Two-Dimensional rotor-synchronized <sup>77</sup>Se MAS NMR Spectroscopy  <b>First Author:</b> Kaseman, D.C., UC Davis, Materials Science and Engineering, <a href="mailto:kaseman.7@gmail.com">kaseman.7@gmail.com</a>  <b>PI:</b> Sen, S., UC Davis, Materials Science and Engineering, <a href="mailto:sbsen@ucdavis.edu">sbsen@ucdavis.edu</a>  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 19.6 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">322</a>	<p><b>Title:</b> Structure and Topology of Binary Si-Se Glass Networks: Results from Two-Dimensional <sup>29</sup>Si and <sup>77</sup>Se MATPASS/CPMG NMR Spectroscopy  <b>First Author:</b> Marple, M.A.T., UC Davis, Materials Science and Engineering, <a href="mailto:mamarple@ucdavis.edu">mamarple@ucdavis.edu</a>  <b>PI:</b> Sen, S., UC Davis, Materials Science and Engineering, <a href="mailto:sbsen@ucdavis.edu">sbsen@ucdavis.edu</a>  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 19.6 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No</p>	Approved



	<b>Director's Comments:</b> None	
<a href="#">328</a>	<p><b>Title:</b> Electron Paramagnetic Resonance Characterization of Two Fe<sub>4</sub> Clusters  <b>First Author:</b> Wang, Z., Huazhong University of Science and Technology, zxwang@hust.edu.cn  <b>PI:</b> Wang, Z., Huazhong University of Science and Technology, zxwang@hust.edu.cn  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 14 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">335</a>	<p><b>Title:</b> Development and Implementation of the State-of-the-Art Solid-State NMR Pulse Techniques 1) at Ultrahigh Magnetic Fields and 2) for Utilizing <sup>14</sup>N Overtone Transition  <b>First Author:</b> Wi, S., NHMFL, NMR, sungsool@magnet.fsu.edu  <b>PI:</b> Wi, S., NHMFL, NMR, sungsool@magnet.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 14.1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">336</a>	<p><b>Title:</b> Characterization of Surface Accessible, Catalytic, <sup>27</sup>Al, <sup>119</sup>Sn, and <sup>17</sup>O Species by DNP-Enhanced NMR Using Targeted Nitroxide Spin Probes as Reactant Models  <b>First Author:</b> Wi, S., NHMFL, NMR, sungsool@magnet.fsu.edu  <b>PI:</b> Han, S., University of California, Santa Barbara, Chemistry and Biochemistry, songi@chem.ucsb.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 14.1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">341</a>	<p><b>Title:</b> EPR and NMR Spectroscopy of Small Molecules in Low Viscosity Solvents  <b>First Author:</b> Wi, S., NHMFL, NMR, sungsool@magnet.fsu.edu  <b>PI:</b> Frydman, L., NHMFL, NMR, frydman@magnet.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 18.8 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">342</a>	<p><b>Title:</b> Study of Water Dynamics in Superacidic Hydrocarbon Proton Exchange Membranes Using Solid-State and Pulsed-Field Gradient NMR Spectroscopy  <b>First Author:</b> Wi, S., NHMFL, NMR, sungsool@magnet.fsu.edu  <b>PI:</b> Bae, C., Rensselaer Polytechnic Institute, Chemistry, baec@rpi.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 18.8 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">343</a>	<p><b>Title:</b> Investigation of the Network Structure of Sustainable Epoxy Materials from Vegetable Oils  <b>First Author:</b> Wi, S., NHMFL, NMR, sungsool@magnet.fsu.edu  <b>PI:</b> Ryu, C., Rensselaer Polytechnic Institute, Chemistry, ryuc@rpi.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 18.8 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
	<p><b>Title:</b> HFEPN Investigation of a Novel Manganese Coordination Polymer  <b>First Author:</b> Goodsell, J., University of Florida, Department of Chemistry, jgoodsell@chem.ufl.edu  <b>PI:</b> Angerhofer, A., University of Florida, Department of Chemistry, alex@chem.ufl.edu  <b>Category:</b> Chemistry - General</p>	

<a href="#">347</a>	<b>Facility:</b> EMR Facility <b>Highest Measured Field:</b> 8 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">489</a>	<b>Title:</b> Electron Spin Resonance of DPPH Free Radical at Optimum DNP Concentration <b>First Author:</b> Khamoshi, A., University of Texas at Dallas, Physics, armin.khamoshi@utdallas.edu <b>PI:</b> Lumata, L.L., University of Texas at Dallas, Physics, lloyd.lumata@utdallas.edu <b>Category:</b> Chemistry - General <b>Facility:</b> EMR Facility <b>Highest Measured Field:</b> 3.35 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">501</a>	<b>Title:</b> Biotransformation of Formestane by Rhizopus Oryzae <b>First Author:</b> Martin, G.D.A., Fisk University, Life and Physical Sciences, gmartin@fisk.edu <b>PI:</b> Martin, G.D.A., Fisk University, Life and Physical Sciences, gmartin@fisk.edu <b>Category:</b> Chemistry - General <b>Facility:</b> MBI-UF AMRIS <b>Highest Measured Field:</b> 14.1 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> Yes <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">502</a>	<b>Title:</b> Biotransformation of Curcumin and its Analogs by Rhizopus Oryzae and Beauveria Bassiana <b>First Author:</b> Martin, G.D.A., Fisk University, Life and Physical Sciences, gmartin@fisk.edu <b>PI:</b> Martin, G.D.A., Fisk University, Life and Physical Sciences, gmartin@fisk.edu <b>Category:</b> Chemistry - General <b>Facility:</b> MBI-UF AMRIS <b>Highest Measured Field:</b> 14.1 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time <b>Sign. Achievement:</b> Yes <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">516</a>	<b>Title:</b> Using <sup>35</sup> Cl Solid-State NMR at Ultra-High Magnetic Fields to Study Active Pharmaceutical Ingredients: Polymorphs and Dosage Forms <b>First Author:</b> Schurko, R.W., University of Windsor, Chemistry and Biochemistry, rschurko@uwindsor.ca <b>PI:</b> Schurko, R.W., University of Windsor, Chemistry and Biochemistry, rschurko@uwindsor.ca <b>Category:</b> Chemistry - General <b>Facility:</b> NMR Facility <b>Highest Measured Field:</b> 21.1 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">517</a>	<b>Title:</b> Molecular Calcium Environments in Biogenic Carbonates <b>First Author:</b> Sangodkar, R.P., University of California, Santa Barbara, Department of Chemical Engineering, rahulsangodkar@umail.ucsb.edu <b>PI:</b> Chmelka, B.F., University of California, Santa Barbara, Department of Chemical Engineering, bradc@engineering.ucsb.edu <b>Category:</b> Chemistry - General <b>Facility:</b> NMR Facility <b>Highest Measured Field:</b> 19.6 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">26</a>	<b>Title:</b> Determining Correct Tortuosity Factors for Gas Diffusion inside Aerogel Catalysts by Diffusion NMR <b>First Author:</b> Mueller, R., University of Florida, Chemical Engineering Department, silveram@ufl.edu <b>PI:</b> Vasenkov, S., University of Florida, Chemical Engineering Department, svasenkov@che.ufl.edu <b>Category:</b> Chemistry - General <b>Facility:</b> MBI-UF AMRIS <b>Highest Measured Field:</b> 17.6 T <b>UCGP:</b> No <b>VSP:</b> No <b>Published in Physical Chemistry Chemical Physics 17, 27481-27487</b> <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved

84	<p><b>Title:</b> Electron Spin Resonance (ESR) Studies of the Phillip's Ethylene Polymerization Catalyst  <b>First Author:</b> Peek, N., FSU, Chemistry, nmp14@my.fsu.edu  <b>PI:</b> Stiegman, A.E., FSU, C, stiegman@chem.fsu.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
106	<p><b>Title:</b> Magnetic Field Dependency of IR Spectra of Thermally Accessible Triplets  <b>First Author:</b> Pons, M., University of Barcelona, Organic Chemistry, mpons@ub.edu  <b>PI:</b> Pons, M., University of Barcelona, Organic Chemistry, mpons@ub.edu  <b>Category:</b> Chemistry - General  <b>Facility:</b> DC Field Facility  <b>Highest Measured Field:</b> 17.5 T  <b>UCGP:</b> No <b>VSP:</b> Yes <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
115	<p><b>Title:</b> HFEP and <sup>57</sup>Fe Mössbauer Spectroscopic Investigation of the Tetrahedral, S = 2, [Fe{(E)PiPr<sub>2</sub>2N}<sub>2</sub>], E = S, Se, Complexes  <b>First Author:</b> Levesanos, N., University of Athens, Greece, Chemistry, levesanos@chem.uoa.gr  <b>PI:</b> Kyritsis, P., University of Athens, Greece, Chemistry, kyritsis@chem.uoa.gr  <b>Category:</b> Chemistry - General  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 14.5 T  <b>UCGP:</b> No <b>VSP:</b> Yes <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<b>Total Reports: 49</b>		