List Of 2012 Reports

ID#	Title, First Author, and Category	Status
18	**Title:** HFEPR of Magnetic Materials with Unusual Optical Properties: $YIn_{1-x}Fe_xO_3$ **First Author:** Jiang, P., Oregon State U., Chemistry, Mas.Subramanian@oregonstate.edu **PI:** Subramanian, M.A., Oregon State U., Chemistry, Mas.Subramanian@oregonstate.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Edited
13	**Title:** HFEPR Studies of Titanium(II) Coordination Complexes **First Author:** Fortier, S., Indiana University-Bloomington, Chemistry, sfortier@indiana.edu **PI:** Telser, J., Roosevelt U., Biological, Chemical and Physical Sciences, jtelser@roosevelt.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Edited
253	**Title:** Halide and Hydroxide Linearly Bridged Bimetallic Metal(II) Complexes: Trends in Strong Antiferromagnetic Superexchange Interactions **First Author:** Reger, D.L., University of South Carolina, Columbia, Chemistry, REGER@mailbox.sc.edu **PI:** Reger, D.L., University of South Carolina, Columbia, Chemistry, REGER@mailbox.sc.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Published in** Inorg. Chem. 51, 7966-7968 (2012), 51, 11820-11836 (2012) **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Edited
307	**Title:** EPR Studies of a Mn(III)–Cu(II) Dimer Containing a Jahn–Teller Compressed Mn Ion **First Author:** Berg, N., NUI Galway, Chemistry, beedle@magnet.fsu.edu **PI:** Jones, L.F., NUI Galway, Chemistry, leigh.jones@nuigalway.ie **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Published in** Dalton Trans. Chem. 42, 207 (2013) **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Edited
355	**Title:** Atmospheric Pressure Laser-Induced Acoustic Desorption Chemical Ionization Mass Spectrometry for Analysis of Saturated Hydrocarbons **First Author:** Nyadong, L., NHMFL, Chemistry, Leonard.nyadong@p66.com **PI:** Rodgers, R.P., NHMFL, ICR, rodgers@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Anal. Chem. 84, 7131-7137 (2012) **Sign. Achievement:** No **Director's Recommendation:** Yes, definitely **Director's Comments:** Enables detection of saturated hydrocarbons (e.g., gasoline) without fragmentation	Edited
358	**Title:** Closed Network Growth of Fullerenes **First Author:** Dunk, P.W., FSU, Chemistry, pdunk@chem.fsu.edu **PI:** Kroto, H.W., FSU, Chemistry, kroto@chem.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Nature Communication 3, 855 (2012) **Sign. Achievement:** No **Director's Recommendation:** Yes, definitely	Edited

	Director's Comments: Provides direct evidence for the mechanism by which fullerenes are formed	
359	**Title:** The Smallest Stable Fullerene, M@C28 (M=Ti, Zr, U): Stabilization and Growth From Carbon Vapor **First Author:** Dunk, P.W., FSU, Chemistry, dunk@chem.fsu.edu **PI:** Kroto, H.W., FSU, Chemistry, kroto@chem.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** J. Am. Soc. Mass Spectr. 134, 9380-9389 (2012) **Sign. Achievement:** No **Director's Recommendation:** **Yes, definitely** **Director's Comments:** First experimental observation of the theoretically smallest fullerene	Edited
251	**Title:** Characterization and Quantification of Reduced Sites on Supported Vanadium Oxide Catalysts Using High-Frequency EPR **First Author:** Dinse, A., UC Berkeley, Chemical Engineering **PI:** Dinse, K.P., Freie Universitate Berlin, Physics, dinse@physik.fu-berlin.de **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** **Yes** **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
289	**Title:** Selective Ionization of Dissolved Organic Nitrogen by Positive Ion Atmospheric Pressure Photoionization Coupled with Fourier Transform Ion Cyclotron Resonance Mass Spectrometry **First Author:** Podgorski, D.C., FSU, NHMFL, Chemistry, podgorski@magnet.fsu.edu **PI:** Cooper, W.T., FSU, Chemistry, cooper@chem.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Anal. Chem. 84, 5085-5090 (2012) **Sign. Achievement:** No **Director's Recommendation:** **Yes** **Director's Comments:** First detailed identificationof nitrogen-containing compounds in dissolved organic matter	Edited
169	**Title:** High-Field EPR of Cobalt-Catalyzed Water Oxidation **First Author:** McAlpin, J.G., UC Davis, Chemistry, jgregorymcalpin@gmail.com **PI:** Britt, R.D., UC Davis, Chemistry, rdbritt@ucdavis.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
180	**Title:** Marine Cyanobacterial Fatty Acid Amides Acting on Cannabinoid Receptors **First Author:** Montaser, R., University of Florida, Medicinal Chemistry, montaser@ufl.edu **PI:** Luesch, H., University of Florida, Medicinal Chemistry, luesch@cop.ufl.edu **Category:** Chemistry **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Published in** ChemBioChem in press (doi: 10.1002/cbic.201200502) **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
93	**Title:** Controlling Spin-Spin Relaxation T_2 of a Triatomic Single Molecule Magnet: $Cr_3(dpa)_4Cl_2 \bullet CH_2Cl_2$ **First Author:** Wang, J., Florida State University, jwang@chem.fsu.edu **PI:** Dalal, N.S., Florida State University, dalal@chem.fsu.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Submitted to** Phys. Rev. Lett. **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
	Title: HFEPR Studies on Ferryl Complexes Relevant to Heme and Non-Heme Iron Enzymes **First Author:** Rohde, G., U. Minnesota, Chemistry, rohde049@umn.edu	

20	**PI:** Krzystek, J., NHMFL, krzystek@magnet.fsu.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Edited
21	**Title:** High-Frequency and -Field EPR of a Dinuclear Y^{III}-Co^{II} Coordination Complex Exhibiting Slow Relaxation of the Magnetization **First Author:** Colacio, E., U. Granada, Spain, Chemistry, ecolacio@ugr.es **PI:** Colacio, E., U. Granada, Spain, Chemistry, ecolacio@ugr.es **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
49	**Title:** ^{195}Pt MAS NMR Spectroscopy Studies of Pt Containing Polyoxometalates **First Author:** Izarova, N.V., Jacobs U. **PI:** Dalal, N.S., FSU, NHMFL, Chemistry, dalal@chem.fsu.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
53	**Title:** Diffusion of One- and Two-Component Gaseous Sorbates in Carbon Molecular Sieve Membranes by Multinuclear 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 **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Published in** Langmuir 28, 10296-10303 (2012) **Sign. Achievement:** Yes **Director's Recommendation: No** **Director's Comments:** None	Edited
54	**Title:** Transport Properties of Mixtures of Room Temperature Ionic Liquids and Carbon Dioxide: Multinuclear Pulsed Field Gradient NMR Study **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:** Chemistry **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Published in** J. Phys. Chem. B 116, 9141–9151 (2012). **Sign. Achievement:** Yes **Director's Recommendation: No** **Director's Comments:** None	Edited
61	**Title:** High-Field EPR and Mössbauer Studies on Tetranuclear $Cu_2^{II}Fe_2^{III}$ Complexes Exhibiting Catalytic Activity **First Author:** Ozarowski, A., FSU, NHMFL, ozarowsk@magnet.fsu.edu **PI:** Kokozay, V.N., Taras Shevchenko University, Kiev, Chemistry, kokozay@univ.kiev.ua **Category:** Chemistry **Facility:** EMR Facility **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: Probing the Origin of Unexpected Splitting in ^{31}P CP-MAS of Hydrogen-Bonded Ferroelectrics at 21.1 T **First Author:** Dugar, S., FSU, NHMFL, sd08f@my.fsu.edu **PI:** Fu, R., NHMFL, rfu@magnet.fsu.edu **Category:** Chemistry	

65	**Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
66	**Title:** HFEPR Studies on Octahedral Mononuclear Ni(II) Complexes of Novel Chelating Ligands Based on 1,2,3-Triazoles **First Author:** Schweinfurth, D., Freie Universitat Berlin, Chemistry and Biochemistry, d.schweinfurth@hotmail.de **PI:** Sarkar, B., Freie Universitat Berlin, Chemistry and Biochemistry, Biprajit.Sarkar@fu-berlin.de **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Submitted to** Inorg. Chem. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
67	**Title:** HFEPR Studies on Mononuclear High-Spin Co(II) Complexes of Tripodal Ligands Based on Tris(Triazole)Amines **First Author:** Schweinfurth, D., Freie Universitat Berlin, Chemistry and Biochemistry, d.schweinfurth@hotmail.de **PI:** Sarkar, B., Freie Universitat Berlin, Chemistry and Biochemistry, Biprajit.Sarkar@fu-berlin.de **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** Minor text correction	Edited
74	**Title:** Determination of the Crystal Structure of a Highly Faulted UPRM-5 Type Flexible Porous Titanium Silicate via ^{23}Na MAS NMR and a Rietveld Refinement Method **First Author:** Fu, R., NHMFL, rfu@magnet.fsu.edu **PI:** Hernández-Maldonado , A. J., University of Puerto Rico – Mayaguez, arturoj.hernandez@upr.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
75	**Title:** ^{27}Al, ^{29}Si and ^{31}P MAS NMR of Mn+-SAPO-34 Prepared with Microwave Assisted Heating **First Author:** Fu, R., NHMFL, rfu@magnet.fsu.edu **PI:** Hernández-Maldonado, A.J., University of Puerto Rico – Mayaguez, arturoj.hernandez@upr.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Published in** Microporous and Meseporous Materials vol 147/page 274-280 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
90	**Title:** Signatures of Single-File Diffusion in Dipeptide Nanotubes by Xe-129 Pulsed Field Gradient NMR **First Author:** Dvoyashkin, M., University of Florida, Chemical Engineering and Chemistry Departments, muslimd@chem.ufl.edu **PI:** Vasenkov, S., University of Florida, Chemical Engineering Department, svasenkov@che.ufl.edu **Category:** Chemistry **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
92	**Title:** Determination of the Zero-field Splitting in a Series of Tetracoordinate Cobalt(II) Complexes by Electron Paramagnetic Resonance **First Author:** Idešicová, M., U. sv. Cyrila a Metoda, Trnava, Slovakia, Chemistry, monika.idesicova@gmail.com **PI:** Boca , R., U. sv. Cyrila a Metoda, Trnava, Slovakia, Chemistry, roman.boca@stuba.sk **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation	Edited

	Sign. Achievement: Yes **Director's Recommendation: No** **Director's Comments:** None	
124	**Title:** Saturation Transfer EPR Spectroscopy of Hexylated Polymers with Acene Cores **First Author:** Fraind, A.M., University of Virginia, Chemistry, amf5j@virginia.edu **PI:** Tovar, J.D., Johns Hopkins University, Chemistry, tovar@jhu.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
146	**Title:** Detection of a Non-Classical, Prenucleation, Liquid Phase of Calcium Carbonate **First Author:** Bewernitz, M.A., University of Florida, bewerni1@ufl.edu **PI:** Gower, L.B., University of Florida, Materials Science and Engineering, lgowe@mse.ufl.edu **Category:** Chemistry **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Published in** Faraday Discussions 159/1/291-312 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
154	**Title:** Magnetostructural Properties of Two Novel Tetranuclear Nickel(II) Complexes **First Author:** Das, L.K., University of Calcutta, Chemistry, ghosh_59@yahoo.com **PI:** Ghosh, A., University of Calcutta, Chemistry, ghosh_59@yahoo.com **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
167	**Title:** Characterization of Lignocellulosic Biomass Using Solid-State NMR Spectroscopy **First Author:** Park, J., North Carolina State University, jpark7@ncsu.edu **PI:** Lim, K.H., East Carolina University, limk@ecu.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Submitted to** Journal of Analytical and Applied Pyrolysis **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
14	**Title:** HFEPR of Magnetic Materials with Unusual Optical Properties: $YIn_{1-x}Mn_xO_3$ **First Author:** Krzystek, J., NHMFL, krzystek@magnet.fsu.edu **PI:** Telser, J., Roosevelt U., Biological, Chemical and Physical Sciences, jtelser@roosevelt.edu **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation: No** **Director's Comments:** None	Edited
17	**Title:** An HFEPR Study of a Nickel(II)-doped Dinuclear Zinc(II) Complex **First Author:** Sakiyama, H., Yamagata University, Chemistry, sj482@kdw.kj.yamagata-u.ac.jp **PI:** Sakiyama, H., Yamagata University, Chemistry, sj482@kdw.kj.yamagata-u.ac.jp **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: Large Zero-Field Splitting in the Tetrahedral Complex $[Co(SPh)_4]^{2-}$ **First Author:** Zadrozny, J.M., University of California, Berkeley, Chemistry, jzadrozny@berkeley.edu	

5	**PI:** Long, J.R., University of California, Berkeley, Chemistry, jrlong@berkeley.edu **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
10	**Title:** Electron-phonon and Magnetoelastic Interactions in Ferromagnetic $Co[N(CN)_2]_2$ **First Author:** Musfeldt, J.L., University of Tennessee, Chemistry, musfeldt@utk.edu **PI:** Musfeldt, J.L., University of Tennessee, Chemistry, musfeldt@utk.edu **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Submitted to** J. Am. Chem. Soc. **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
12	**Title:** Magnetoelectric Coupling in 4,4'-stilbenedinitrene **First Author:** Musfeldt, J.L., University of Tennessee, Chemistry, musfeldt@utk.edu **PI:** Musfeldt, J.L., University of Tennessee, Chemistry, musfeldt@utk.edu **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
204	**Title:** High-Field ^{17}O NMR Investigation of Hydrogen Bond Dynamics in Benzoic Acid **First Author:** Hung, I., NHMFL, hung@magnet.fsu.edu **PI:** Gan, Z., NHMFL, gan@magnet.fsu.edu **Category:** Chemistry **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
206	**Title:** Observation of a Continuous Random Network Structure in Ge_xSe_{100-x} Glasses: Results from High-Resolution ^{77}Se MATPASS/CPMG NMR Spectroscopy **First Author:** Kaseman, D.C., UC Davis, kaseman.7@gmail.com **PI:** Sen, S., UC Davis, sbsen@ucdavis.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Submitted to** Journal of Physical Chemistry **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
216	**Title:** Identification of Pheromones from Entomopathogenic Nematodes **First Author:** Nunnery, J.K., UF, jnunnery@chem.ufl.edu **PI:** Butcher, R.A., UF, butcher@chem.ufl.edu **Category:** Chemistry **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
217	**Title:** Identification of Novel Pheromones from Caenorhabditis elegans Using Comparative Metabolomics and Multi-dimensional NMR Spectroscopy **First Author:** Nunnery, J.K., UF, jnunnery@chem.ufl.edu **PI:** Butcher, R.A., UF, butcher@chem.ufl.edu **Category:** Chemistry **Facility:** MBI-UF AMRIS	Edited

	UCGP: No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
226	**Title:** Heterogeneous Hydrogenation Catalysts for Parahydrogen Enhanced NMR **First Author:** Zhou, R., University of Florida, Chemistry, russ@ufl.edu **PI:** Bowers, C.R., University of Florida, Chemistry, russ@ufl.edu **Category:** Chemistry **Facility:** UF Physics **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
229	**Title:** Molecular Dynamics in the Solid-State for $KMnO_4$ Observed Using ^{17}O MAS NMR **First Author:** Jakobsen, H.J., Aarhus University, Chemistry, hja@chem.au.dk **PI:** Jakobsen, H.J., Aarhus University, Chemistry, hja@chem.au.dk **Category:** Chemistry **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
239	**Title:** NMR Characterization of Tetra-meso-substituted Porphyrins Synthesized by Mechanochemistry **First Author:** Hamilton, T. D., Barry University, Physical Sciences, thamilton@mail.barry.edu **PI:** Hamilton, T. D., Barry University, Physical Sciences, thamilton@mail.barry.edu **Category:** Chemistry **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
250	**Title:** High-Field EPR and Magnetic Study of $[Ni(L\text{-}Tyr)_2(bpy)] \cdot 1.5H_2O \cdot 0.5CH_3OH$ **First Author:** Wojciechowska, A., Faculty of Chemistry, Wroclaw University of Technology, Poland, agnieszka.wojciechowska@pwr.wroc.pl **PI:** Wojciechowska, A., Faculty of Chemistry, Wroclaw University of Technology, Poland, agnieszka.wojciechowska@pwr.wroc.pl **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
290	**Title:** Characterization of Pyrogenic Black Carbon by Desorption Atmospheric Pressure Photoionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry **First Author:** Podgorski, D.C., FSU, Chemistry, podgorski@magnet.fsu.edu **PI:** Cooper, W.T., FSU, Chemistry, copper@chem.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Anal. Chem. 84, 1281-1287 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
291	**Title:** Baseline Correction of Absorption-Mode Fourier Transform Ion Cyclotron Resonance Mass Spectra **First Author:** Xian, F., NHMFL, Chemistry, xian@magnet.fsu.edu **PI:** Marshall, A.G., FSU, NHMFL, Chemistry, marshall@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** J. Mass Spectrometry 325-327, 67-72 (2012) **Sign. Achievement:** No	Edited

	Director's Recommendation: No **Director's Comments:** None	
292	**Title:** High Resolution Mass Spectrometry **First Author:** Xian, F., FSU, Chemistry, xian@magnet.fsu.edu **PI:** Marshall, A.G., FSU, NHMFL, Chemistry, marshall@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Anal. Chem. 84, 708-719 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
293	**Title:** Fourier Transform Ion Cyclotron Resonance Mass Resolution and Dynamic Range Limits Calculated by Computer Modeling of Ion Cloud Motion **First Author:** Vladimirov, G., Institute for Energy Problems of Chemical Physics, Moscow, Russia, nikolaev@skolkovotech.ru **PI:** Nikolaev, E.N., Institute for Energy Problems of Chemical Physics, Moscow, Russia, nikolaev@skolkovotech.ru **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** J. Am. Soc. Mass Spectr. 23, 375-384 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
254	**Title:** Design of Cu(II)-MOFs Containing Triangular Hydroxo Clusters Based On 1,2,4-Triazolyl Carboxylate Derivatives **First Author:** Lysenko, A.B., Taras Shevchenko University, Kiev, Chemistry, ab_lysenko@univ.kiev.ua **PI:** Lysenko, A.B., Taras Shevchenko University, Kiev, Chemistry, ab_lysenko@univ.kiev.ua **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
279	**Title:** High-field/frequency EPR Studies of Symmetry-induced Magneto-structural Correlations in Ni(II) Coordination Complexes **First Author:** Rodríguez-Jiménez, S., University of Barcelona, Chemistry, beedle@magnet.fsu.edu **PI:** Aliaga-Alcalde, N., Universitat Autònoma de Barcelona, Chemistry, nuria.aliaga@antares.qi.ub.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
281	**Title:** High-Field EPR Investigation of the Zero-Field Splitting in a Series of Vandium(III) Compounds **First Author:** Saber, M., Texas A&M University, Chemistry, mohamed.saber@mail.chem.tamu.edu **PI:** Dunbar, K., Texas A&M University, Chemistry, dunbar@mail.chem.tamu.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
285	**Title:** ^{35}Cl Solid-State NMR of HCl Pharmaceuticals: Pure Samples, Polymorphs and Dosage Forms **First Author:** Namespetra, A.., University of Windsor, Chemistry & Biochemistry **PI:** Schurko, R.W., University of Windsor, Chemistry & Biochemistry, rschurko@uwindsor.ca **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited

288	**Title:** Relative Stability of Sequence Ions Generated by Tandem Mass Spectrometry **First Author:** Bythell, B.J., NHMFL, Chemistry, bythell@magnet.fsu.edu **PI:** Marshall, A.G., NHMFL, Chemistry, marshall@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** J. Am. Soc. Mass Spectr. 23, 644-654 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
252	**Title:** Mössbauer Studies on Binuclear Oxygen-Bridged Iron(III) Complexes **First Author:** Ozarowski, A., FSU, NHMFL, ozarowsk@magnet.fsu.edu **PI:** Jezierska, J., Wroclaw University, Chemistry, juliaj@wchuwr.pl **Category:** Chemistry **Facility:** EMR Facility **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
357	**Title:** A Molecular Model for Illinois No. 6 Argonne Premium Coal: Moving Toward Capturing the Continuum Structure **First Author:** Castro-Marcano, F., Pennsylvania State University, Energy and Mineral Engineering, fzc108@psu.edu **PI:** Mathews, J.P., Pennsylvania State University, Energy and Mineral Engineering, jmathews@psu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Fuel 95, 35-49 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
367	**Title:** Compositional Space Boundaries for Organic Compounds **First Author:** Lobodin, V.V., NHMFL, Chemistry, lobodin@magnet.fsu.edu **PI:** Hsu, C.S., NHMFL, hsu@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Anal. Chem. 84, 3410-3416 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
368	**Title:** Analysis of Complex Organic Mixtures by FT-ICR MS. Petroleomics **First Author:** Lobodin, V.V., NHMFL, Chemistry, lobodin@magnet.fsu.edu **PI:** Rodgers, R.P., FSU, NHMFL, Chemistry, rodgers@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Anal. Chem. 73, 4675-4681 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
399	**Title:** High Field EPR Study on Asymmetric Atomic Chain Complex $Cr_3(dpa)_4ClBF_4$ **First Author:** Wang, J., Florida State University, Department of Chemistry, jwang@chem.fsu.edu **PI:** Dalal, N.S., Florida State University, Department of Chemistry, dalal@chem.fsu.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
407	**Title:** Electrochemistry in High Magnetic Fields **First Author:** Migliori, A., LANL, migliori@lanl.gov **PI:** Migliori, A., LANL, migliori@lanl.gov **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time	Edited

	Sign. Achievement: No **Director's Recommendation: No** **Director's Comments:** None	
422	**Title:** Encapsulated Gadolinium and Dysprosium Ions Within Ultra-short Carbon Nanotubes for MR Microscopy at 11.75 and 21.1 T **First Author:** Rosenberg, J.T., The Florida State University, National High Magnetic Field Laboratory, rosenberg@magnet.fsu.edu **PI:** Grant, S.C., The Florida State University, Chemical & Biomedical Engineering, grant@magnet.fsu.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** Yes **VSP:** No **Submitted to** Contrast Media and Molecular Imaging **Sign. Achievement:** Yes **Director's Recommendation: No** **Director's Comments:** None	Edited
308	**Title:** Characterizing New Pharmaceutical Agents Using NMR **First Author:** Manning, T.J., Valdosta State University, Chemistry Department, tmanning@valdosta.edu **PI:** Manning, T.J., Valdosta State University, Chemistry Department, tmanning@valdosta.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
317	**Title:** Giant Ising-type Magnetic Anisotropy in Trigonal Bipyramidal Ni(II) Complexes **First Author:** Batchelor, L., Université Paris Sud, Institut de Chimie Moléculaire et des Matériaux d'Orsay, luke.batchelor@u-psud.fr **PI:** Mallah, T., Université Paris Sud, Institut de Chimie Moléculaire et des Matériaux d'Orsay, talal.mallah@u-psud.fr **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Submitted to** J. Am. Chem. Soc. **Sign. Achievement:** Yes **Director's Recommendation: No** **Director's Comments:** None	Edited
325	**Title:** EPR Studies of a Mononuclear Co(II)(terpy)Cl_2 Single-Molecule Magnet **First Author:** Shiddiq, M., NHMFL and FSU, Physics, muhandis@magnet.fsu.edu **PI:** Murugesu, M., University of Ottawa, Chemsitry, M.Murugesu@uottawa.ca **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
326	**Title:** EPR Studies of Pentacoordinate Mononuclear Cobalt Single-Molecule Magnets **First Author:** Shiddiq, M., NHMFL and FSU, Physics, muhandis@magnet.fsu.edu **PI:** Richeson, D., University of Ottawa, Chemsitry, darrin@uottawa.ca **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
335	**Title:** High-Field EPR Studies of the Mononuclear $[Co(II)(SPh)_4]^{2-}$ Single-Molecule Magnet **First Author:** Zadrozny, J.M., UC Berkeley, Chemistry, jzadrozny@berkeley.edu **PI:** Long, J.R., UC Berkeley, Chemistry, jrlong@berkeley.edu **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No**	Edited

	Director's Comments: None	
336	**Title:** Magnetism of Mixed-valent Fe_8 Clusters, $[Fe_8(\mu_4\text{-}O)_4(\mu\text{-}4\text{-}Cl\text{-}pz)_{12}X_4]^-$ **First Author:** Raptis, R.G., University of Puerto Rico, Chemistry, raphael@epscor.upr.edu **PI:** Raptis, R.G., University of Puerto Rico, Chemistry, raphael@epscor.upr.edu **Category:** Chemistry **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
338	**Title:** Electron Paramagnetic Resonance Characterization of a Polyoxopalladates Compound $[MnO_8Pd^{II}_{12}As_8]^{n-}$ **First Author:** Wang, Z., Florida State University, Chemistry, wzhxyan@gmail.com **PI:** Dalal, N.S., Florida State University, Chemistry, dalal@chem.fsu.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Published in** Inorg. Chem. 51, 13214-13228, 2012 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
339	**Title:** Solid State ^{13}C NMR Characterization of an Incommensurately Modulated Structure **First Author:** Mehta, M.A., Oberlin College, Chemistry, manish.mehta@oberlin.edu **PI:** Mehta, M.A., Oberlin College, Chemistry, manish.mehta@oberlin.edu **Category:** Chemistry **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
352	**Title:** Comparison of the Levels of Chloride Ions with the Characterization of Oil Sands Polar Organics in Natural Waters by use of Fourier Transform Ion Cyclotron Resonance Mass Spectrometry **First Author:** Headley, J.V., Environment Canada, Chemistry, john.headley@ec.gc.ca **PI:** Headley, J.V., Environment Canada, Chemistry, john.headley@ec.gc.ca **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 26, 2585-2590 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
353	**Title:** Characterization of Pine Pellet and Peanut Hull Pyrolysis Bio-Oils by Negative-Ion Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry **First Author:** Jarvis, J.M., FSU, Chemistry, jarvis@magnet.fsu.edu **PI:** Rodgers, R.P., FSU, ICR Program, rodgers@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 26, 3810-3815 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
354	**Title:** The Waxphaltene Determinator Method for Automated Precipitation and Re-Dissolution of Wax and Asphaltene Components **First Author:** Schabron, J.F., Western Reseearch Institute, Laramie, Wyoming, Chemistry, jfschabr@uwyo.edu **PI:** Schabron, J.F., Western Reseearch Institute, Laramie, Wyoming, Chemistry, jfschabr@uwyo.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 26, 2256-2268 (2012) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
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