List Of 2014 Reports

ID#	Title, First Author, and Category	Status
156	**Title:** High-Frequency and -Field EPR of a Titanium(II) Scorpionate Complex **First Author:** Tan, L. L., University of Waterloo, Ontario, Canada, Chemistry, lltan@uwaterloo.ca **PI:** Telser, J., Roosevelt University, 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	Editing
383	**Title:** Bottom-Up Formation of Endohedral Metallofullerenes is Directed by Charge Transfer **First Author:** Dunk, P.W., Florida State University, Chemistry & Biochemistry, pdunk@chem.fsu.edu **PI:** Kroto, H.W., Florida State University, Chemistry & Biochemistry, kroto@chem.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Nature Communications 5, 5844 (8 pp.) DOI: 10.1038/ncomms6844 |www.nature.com/naturecommunications. **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Editing
218	**Title:** Solid-State 17O NMR Reveals Energetics of Breaking a Low-Barrier Hydrogen Bond **First Author:** Lu, J, Queen's University, Department of Chemistry, gang.wu@chem.queensu.ca **PI:** Wu, G, Queen's University, Department of Chemistry, Gang.Wu@chem.queensu.ca **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Editing
252	**Title:** The EPR Silence of Bis(2,2,6,6-tetramethylpiperidido)iron(II) Indicates the Presence of a Near-Degenerate Ground MS = ± 2 Quasi-Doublet **First Author:** Davis, L, U. Illinois Urbana-Champaign, Chemistry, lukemdavis@fas.harvard.edu **PI:** Girolami, GS, U. Illinois Urbana-Champaign, Chemistry, ggirolam@illinois.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
182	**Title:** High-Field EPR Studies on an Oriented Single Crystal of a Mn(III)-Based Mononuclear Single-Molecule Magnet **First Author:** Grigoropoulos, A, Post-doctoral Research Associate, Chemistry, University of Athens, Greece, agrigorop@chem.uoa.gr **PI:** Kyritsis, P, Assistant Professor, Chemistry, University of Athens, Greece, kyritsis@chem.uoa.gr **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	Editing
385	**Title:** High-Field EPR Studies of Single-Ion Magnets with Giant Axial Magnetic Anisotropy **First Author:** Marriott, K, University of Glasgow, Chemistry, Katie.Marriott@glasgow.ac.uk **PI:** Murrie, M, University of Glasgow, Chemistry, Mark.Murrie@glasgow.ac.uk **Category:** Chemistry **Facility:** DC Field Facility **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
330	**Title:** Using Ultra-High Magnetic Fields to Study Isoxsuprine HCl and Mexiletine HCl Using 35Cl Solid-State NMR: Polymorphs and Dosage Forms **First Author:** Schurko, RW, University of Windsor, Department of Chemistry and Biochemistry, rschurko@uwindsor.ca **PI:** Schurko, RW, University of Windsor, Department of Chemistry and Biochemistry, rschurko@uwindsor.ca **Category:** Chemistry	Editing

	Facility: NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	
331	**Title:** Tellurium Speciation in AsxTe100-x Glasses: Results From 2D 125Te NMR Spectroscopy **First Author:** Kaseman, DC, University of California, Davis, Department of Chemical Engineering and Materials Science, kaseman.7@gmail.com **PI:** Sen, S, University of California, Davis, Department of Chemical Engineering and Materials Science, sbsen@ucdavis.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Editing
157	**Title:** High-Frequency and -Field EPR of Octahedral Low-Spin Chromium(II) **First Author:** Zolnhofer, E. M., Friedrich-Alexander University Erlangen-Nürnberg, Germany, Inorganic Chemistry, eva.zolnhofer@fau.de **PI:** Telser, J., Roosevelt University, 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 **Director's Comments:** None	Editing
117	**Title:** Discoid Shaped Multimodal Nanoprobes to Target Cerebrovascular Amyloid **First Author:** Ahlschwede, K.M., University of Minnesota, kristen.ahlschwede@gmail.com **PI:** Kandimalla, K.K., University of Minnesota, kaarunya@gmail.com **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Editing
55	**Title:** Solid-Phase Extraction Fractionation to Extend the Characterization of Naphthenic Acids in Crude Oil by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry **First Author:** Rowland, S.M., NHMFL, FSU, Department of Chemistry and Biochemistry, rowland@magnet.fsu.edu **PI:** Rodgers, R.P., NHMFL, rodgers@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 28, 5043-5048 **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Editing
82	**Title:** Total Synthesis and Biological Evaluation of Potent Apratoxin S4 Based Anticancer Agents **First Author:** Chen, Q.-Y., University of Florida, Medicinal Chemistry, chenqyufl@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** J. Med. Chem. 57, 3011-3029 **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
93	**Title:** A Versatile Variable Temperature Probe for the Ultra Wide Bore 21.2 T (900 MHz UWB) Spectrometer for High Resolution NMR of Solids **First Author:** Kweon, K, National High Magnetic Field Laboratory, jjkweon@magnet.fsu.edu **PI:** Dalal, D, Florida State University, Chemistry, dalal@chem.fsu.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** Yes **VSP:** No **Published in** Journal of Physical Chemistry C 118/13387-13393 **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Editing
	Title: A High-Spin Square-Planar Fe(II) Complex Stabilized by a Trianionic Pincer-Type Ligand and Conclusive Evidence for Retention of Geometry and Spin State in Solution **First Author:** Pascualini, M.E., University of Florida, matiaspascualini@ufl.edu	

12	**PI:** Veige, A.S., University of Florida, veige@chem.ufl.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Accepted by** Chemical Science **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Editing
45	**Title:** Targeted Petroleomics: Analytical Investigation of Macondo Well Oil Oxidation Products from Pensacola Beach **First Author:** Ruddy, B.M., NHMFL, brian.ruddy@taxon.com **PI:** Huettel, M., FSU, Earth, Ocean & Atmospheric Sciences, mhuettel@fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 28, 4043-4050 **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Editing
57	**Title:** Ion Molecule Reaction H/D exchange as a Probe for Isomeric Fractionation in Chromatographically Separated Natural Organic Matter **First Author:** Stenson, A.C., University of South Alabama, Department of Chemistry, astenson@southalabama.edu **PI:** Stenson, A.C., University of South Alabama, Department of Chemistry, astenson@southalabama.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Int. J. Mass Spectrom. 360, 45-53 **Sign. Achievement:** No **Director's Recommendation:** **Yes** **Director's Comments:** None	Editing
59	**Title:** Biotransformation of Curcumin and its Analogs by Rhizopus Oryzae and Beauveria Bassiana **First Author:** Martin, G.D.A, University of Tampa, Chemistry, Biochemistry and Physics, gdmartin@ut.edu **PI:** Martin, G.D.A, University of Tampa, Chemistry, Biochemistry and Physics, gdmartin@ut.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	Editing
71	**Title:** Low-T magnetization study of S = 1 quasi-2D [Ni(pyz)2(H2O)2](BF4)2 (pyz = pyrazine) **First Author:** Manson, J. L., Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **PI:** Manson, J. L., Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.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	Editing
77	**Title:** Fact or Artifact: The Representativeness of ESI-MS for Complex Natural Organic Mixtures **First Author:** Stenson, A.C., University of South Alabama, Department of Chemistry, astenson@southalabama.edu **PI:** Stenson, A.C., University of South Alabama, Department of Chemistry, astenson@southalabama.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** J. Mass Spectrometry 49, 316-326 **Sign. Achievement:** No **Director's Recommendation:** **No** **Director's Comments:** None	Editing
81	**Title:** Magnetic and HF EPR Studies of Monobridged Cyanide and Azide Dinuclear Copper(II) Complexes **First Author:** Reger, DL, U. of South Carolina, Columbia, Chemistry, REGER@mailbox.sc.edu **PI:** Reger, DL, U. of South Carolina, Columbia, Chemistry, REGER@mailbox.sc.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Submitted to** Inorg. Chem. **Sign. Achievement:** **Yes** **Director's Recommendation:** **No** **Director's Comments:** None	Editing
	Title: Transmission Geometry Laser Desorption Atmospheric Pressure Photochemical Ionization Mass Spectrometry for Analysis of Complex Organic Mixtures **First Author:** Nyadong, L., NHMFL, Leonard.nyadong@p66.com	

46	**PI:** Rodgers, R.P., NHMFL, rodgers@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Anal. Chem. 86, 11151-11158 **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
47	**Title:** Optimized Circuit for Excitation and Detection with One Pair of Electrodes for Improved Fourier Transform Ion Cyclotron Resonance Mass Spectrometry **First Author:** Chen, T., NHMFL, FSU, Department of Chemistry and Biochemistry, tchen@magnet.fsu.edu **PI:** Kaiser, N.K., NHMFL, kaiser@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Rev. Sci. Instrum. 85, 066107 (1-4) **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
50	**Title:** Sunlight Creates Oxygenated Species in Water-Soluble Fractions of Deepwater Horizon Oil **First Author:** Ray, P.Z., University of New Orleans, Department of Chemistry, pzray1@uno.edu **PI:** Tarr, M.A., University of New Orleans, Department of Chemistry, mtarr@uno.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Journal of Hazardous Materials 280, 636-643 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
17	**Title:** Biotransformation of Formestane by Rhizopus Oryzae **First Author:** Martin, G.D.A, University of Tampa, Chemistry, Biochemistry and Physics, gdmartin@ut.edu **PI:** Martin, G.D.A, University of Tampa, Chemistry, Biochemistry and Physics, gdmartin@ut.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	Editing
22	**Title:** Use of Magnet Technology to Develop a Green Technology Approach to Artificial Reefs and Oyster Restoration **First Author:** Manning, T, Valdosta State University, Chemistry, tmanning@valdosta.edu **PI:** Manning, T, Valdosta State University, Chemistry, tmanning@valdosta.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Accepted by** Patent Applications **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
27	**Title:** ESR Study of a Family of S = 1 Ni(II) Coordination Complexes Featuring Poly-HF Ligands **First Author:** Manson, J. L., Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **PI:** Manson, J. L., Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.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	Editing
32	**Title:** Synthesis and Characterization of Lignin-Based Carbon Materials with Tunable Microstructure **First Author:** Johs, A, Oak Ridge National Laboratory, johsa@ornl.gov **PI:** Johs, A, Oak Ridge National Laboratory, johsa@ornl.gov **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** RSC Adv. Vol. 4, 4743-4753 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
34	**Title:** Conversion of Lignin Precursors to Carbon Fibers with Nanoscale Graphitic Domains **First Author:** Chatterjee, S., Oak Ridge National Laboratory, chatterjees@ornl.gov **PI:** Johs, A., Oak Ridge National Laboratory, johsa@ornl.gov **Category:** Chemistry **Facility:** ICR Facility	Editing

	UCGP: No **VSP:** No **Published in** ACS Sustainable Chem. and Eng. 2, 2002-2010 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
35	**Title:** Atmospheric Pressure Photoionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Characterization of Tunable Carbohydrate-Based Materials for Sorption of Oil Sands Naphthenic Acids **First Author:** Headley, J.V., Environment Canada, Water Science Technology Directorate, john.headley@ec.gc.ca **PI:** Headley, J.V., Environment Canada, Water Science Technology Directorate, john.headley@ec.gc.ca **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 28, 1611-1616 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
36	**Title:** Characterization of Fast Pyrolysis Products Generated from Several Western USA Woody Species **First Author:** Jarvis, J.M., NHMFL, Ion Cyclotron Resonance, jarvis@magnet.fsu.edu **PI:** Page-Dumroese, D.S., US Dept. Agriculture, Forest Service, ddumroese@fs.fed.us **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 28, 6438-6446 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
37	**Title:** Controlled Ion Ejection from an External Trap for Extended m/z Range in FT-ICR Mass Spectrometry **First Author:** Kaiser, N.K., NHMFL, Ion Cyclotron Resonance, kaiser@magnet.fsu.edu **PI:** Kaiser, N.K., NHMFL, Ion Cyclotron Resonance, kaiser@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** J. Am. Soc. Mass Spectrom. 25, 943-949 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
40	**Title:** Silver Cationization for Rapid Speciation of Sulfur-Containing Species in Crude Oils by Positive Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry **First Author:** Lobodin, V.V., NHMFL, lobodin@magnet.fsu.edu **PI:** Juyal, P., Nalco Energy Services, pjuyal@nalco.com **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 28, 447-452 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
43	**Title:** Lithium Cationization for Petroleum Analysis by Positive Ion Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry **First Author:** Lobodin, V.V., NHMFL, lobodin@magnet.fsu.edu **PI:** Juyal, P., Nalco Energy Services, pjuyal@nalco.com **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 28, 6841-6847 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
108	**Title:** Ultrafast Dynamics in Photosynthetic Protein Complexes **First Author:** Dean, JCD, University of Toronto, jacob.c.dean86@gmail.com **PI:** Scholes, GDS, Princeton University, gscholes@princeton.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	Editing
112	**Title:** High-Field EPR and Magnetic Studies on a Binuclear Nickel(II) Complex **First Author:** Arion, VB, University of Vienna, Chemistry, vladimir.arion@univie.ac.at **PI:** Telser, J, Roosevelt University, Chemistry, jtelser@roosevelt.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Published in** Inorg. Chem. 53, 12595-12609	Editing

	Sign. Achievement: No **Director's Recommendation: No** **Director's Comments:** None	
113	**Title:** High-Field EPR Studies on Trinuclear and Binuclear Copper(II) Compounds **First Author:** Sharma, RP, Panjab Ubiversity, Chandigarh,, Chemistry, rpsharma@pu.ac.in **PI:** Sharma, RP, Panjab Ubiversity, Chandigarh,, Chemistry, rpsharma@pu.ac.in **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Published in** New Journal of Chemistry 38, 437-447 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
84	**Title:** HFEPR Studies of the S = 1 Octahedral Trans-[Ni(II){(OPPh2)(SPPh2)N}2(dmso)2] Complex **First Author:** Ferentinos, E, Post-doctoral Research Associate, Chemistry, University of Athens, l_ferentinos@yahoo.gr **PI:** Kyritsis, P, Assistant Professor, Chemistry, University of Athens, kyritsis@chem.uoa.gr **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP: Yes** **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
56	**Title:** Direct Analysis of Thin-Layer Chromatography Separations of Petroleum Samples by Laser Desorption Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Imaging **First Author:** Smith, D.F., NHMFL, donsmith@magnet.fsu.edu **PI:** Smith, D.F., NHMFL, donsmith@magnet.fsu.edu **Category:** Chemistry **Facility:** ICR Facility **UCGP:** No **VSP:** No **Published in** Energy & Fuels 28, 6248-6288 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
118	**Title:** Local Range Changes in a (LiCl)[Zn(bdc)(ted)0.5] Metal Organic Framework Upon Hysteretic Adsorption-Desorption of CO2 Studied Via 13C MAS NMR **First Author:** Fu, RF, NHMFL, rfu@magnet.fsu.edu **PI:** Hernandez-Maldonado, AJHM, UPRM, arturoj.hernandez@upr.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Submitted to** RSC Advances **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
119	**Title:** In Situ High Temperature MAS NMR Characterization of a Titanosilicate UPRM-5 with Variable Faulting Prepared Using Tetrapropylammonium and Tetrabutylammonium Cations **First Author:** Fu, RF, NHMFL, rfu@magnet.fsu.edu **PI:** Hernandez-Maldonado, AJHM, UPRM, arturoj.hernandez@upr.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Submitted to** Industrial and Engineering Chemistry Research **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
121	**Title:** Novel Applications of the Variable Temperature Probe for the 900 MHz Wide Bore Magnet : First Evidence From 1H MAS of the Coexistence of Order-Disorder and Displacive Features at the Paraelectric-Antiferroelectric Phase Transition of NH4H2AsO4 **First Author:** Kweon, K, NHMFL, jjkweon@magnet.fsu.edu **PI:** Dalal, D, NHMFL, FSU, Chemistry, dalal@chem.fsu.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP: Yes** **VSP:** No **Submitted to** Journal of Physical Chemistry C **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
137	**Title:** High-Field EPR Studies of Tryptophan-Based Radicals **First Author:** Davis, I, Georgia State University, Chemistry, cdavis60@student.gsu.edu **PI:** Liu, A, Georgia State University, Chemistry, Feradical@gsu.edu **Category:** Chemistry **Facility:** EMR Facility	Editing

	UCGP: No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
152	**Title:** In-situ Li Ion Battery Imaging of Charge-Discharge Using Stray Field NMR **First Author:** Kweon, K, NHMFL, jjkweon@magnet.fsu.edu **PI:** Fu, F, NHMFL, rfu@magnet.fsu.edu **Category:** Chemistry **Facility:** NMR Facility **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
159	**Title:** Rational Synthetic Approaches to Electronic Spin Decoherence **First Author:** Fataftah, M. S., Northwestern University, Chemistry, MajedFataftah2018@u.northwestern.edu **PI:** Freedman, D. E., Northwestern University, Chemistry, danna.freedman@northwestern.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	Editing
166	**Title:** HF-EPR Studies on a Linearly Bridged Nickel(II) Complex {[Ni(L-Tyr)2(μ-4,4'-bpy)] 4H2O} **First Author:** Wojciechowska, PhD, Wroclaw University of Technology, Faculty of Chemistry, agnieszka.wojciechowska@edu.wroc.pl **PI:** Wojciechowska, PhD, Wroclaw University of Technology, Faculty of Chemistry, agnieszka.wojciechowska@edu.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	Editing
180	**Title:** The Aldimine Effect in Bis(imino)pyridine Complexes **First Author:** Groysman, s, Wayne Stat University, groysman@chem.wayne.edu **PI:** Groysman, s, Wayne Stat University, groysman@chem.wayne.edu **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Submitted to** Inorg. Chem. **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
332	**Title:** Investigation of Free Oxide Ions in Glass by 17O-29Si CP/HETCOR NMR **First Author:** Kaseman, DC, University of California, Davis, Department of Chemical Engineering and Materials Science, kaseman.7@gmail.com **PI:** Sen, S, University of California, Davis, Department of Chemical Engineering and Materials Science, sbsen@ucdavis.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	Editing
345	**Title:** Development and Implementation of the State-of-the-Art Solid-State NMR Pulse Techniques 1) at Ultrahigh Magnetic Fields and 2) for Utilizing 14N Overtone Transition **First Author:** Wi, S., NHMFL, sungsool@magnet.fsu.edu **PI:** Frydman, L., NHMFL/ Weizmann Institute of Science, Israel, lucio.frydman@weizmann.ac.il **Category:** Chemistry **Facility:** NMR Facility **UCGP:** No **VSP:** No **Submitted to** J. Chem. Phys. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
346	**Title:** Confirmation of Polybenzoxazole Structure in Thermally Rearranged Polymers by Cross-Polarization/Magic Angle Spinning Solid State 13C NMR **First Author:** Smith, Z. P., University of Texas, Austin, Chemical Engineering, zachary@che.utexas.edu **PI:** Freeman, B. D., University of Texas, Austin, Chemical Engineering, freeman@che.utexas.edu **Category:** Chemistry	Editing

	Facility: NMR Facility **UCGP:** No **VSP:** No **Published in** Polymer 55/26/6649-6657 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
347	**Title:** Characterization of Surface Accessible, Catalytic, 27Al, 119Sn, and 17O Species by DNP-Enhanced NMR Using Targeted Nitroxide Spin Probes as Reactant Models **First Author:** Wi, S., NHMFL, sungsool@magnet.fsu.edu **PI:** Han, S., University of California Santa Barbara, Chemistry and Biochemistry, songi@chem.ucsb.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	Editing
348	**Title:** Study of Water Dynamics in Superacidic Hydrocarbon Proton Exchange Membranes Using Solid-State and Pulsed-Field Gradient NMR Spectroscopy **First Author:** Wi, S., NHMFL, sungsool@magnet.fsu.edu **PI:** Bae, C., Rensselaer Polytechnic Institute, Chemistry and Chemical Biology, baec@rpi.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	Editing
349	**Title:** Investigation of Dynamics-Transport Correlations in Polymeric Membranes of Fuel Cell and Reverse Osmosis Applications **First Author:** Wi, S., NHMFL, sungsool@magnet.fsu.edu **PI:** McGrath, J. E., Virginia Tech, Chemistry, jmcgrath@vt.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	Editing
386	**Title:** High-Frequency EPR and Ligand Field Theory Analysis of Hexachlororhenate(IV) Salts **First Author:** Martinez-Lillo, J, University of Edinburgh, Chemistry, lillo@uv.es **PI:** Brechin, E. K., University of Edinburgh, Chemistry, ebrechin@staffmail.ed.ac.uk **Category:** Chemistry **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
397	**Title:** High Field EPR Studies of Fe-Containing Homo- and Heterobimetallic Complexes **First Author:** Greer, SM, FSU NHMFL, Chemistry and Biochemistry, smg13v@my.fsu.edu **PI:** Thomas, CM, Brandeis University, Chemistry, thomasc@brandeis.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	Editing
398	**Title:** A High-Frequency EPR Study of a High Spin Fe(II) Complex **First Author:** Greer, SM, FSU NHMFL, Chemistry and Biochemistry, smg13v@my.fsu.edu **PI:** Shatruk, M, FSU, Chemistry and Biochemistry, shatruk@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	Editing
400	**Title:** High-Field EPR Studies of a Family of Mononuclear Single-Molecule Magnets Based on V(III)-dicyanide Building Blocks **First Author:** Saber, M., Texas A&M University, Chemistry, mohamed.saber@mail.chem.tamu.edu **PI:** Dunbar, K. R., Texas A&M University, Chemistry, dunbar@mail.chem.tamu.edu **Category:** Chemistry **Facility:** EMR Facility	Editing

	UCGP: No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
407	**Title:** The Effect of Glassing Matrix Deuteration on 13C Dynamic Nuclear Polarization at 5 T **First Author:** Goderya, M, University of Texas at Dallas, Physics, msg102020@utdallas.edu **PI:** Lumata, L, University of Texas at Dallas, Physics, lloyd.lumata@utdallas.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	Editing
425	**Title:** Electron Relaxation of Hydrophobic Free Radicals at Optimum DNP Concentration **First Author:** Khamoshi, A, University of Texas at Dallas, Physics, axk120531@utdallas.edu **PI:** Lumata, L, University of Texas at Dallas, Physics, lloyd.lumata@utdallas.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	Editing
311	**Title:** NMR Crystallography: 17O RT MAS NMR of IO4– Ions Reveals 1J(17O-127I) and its Structure **First Author:** Jakobsen, HJ, Aarhus University, Department of Chemistry, hja@chem.au.dk **PI:** Jakobsen, HJ, Aarhus University, Department of Chemistry, hja@chem.au.dk **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	Editing
313	**Title:** HFEPR Studies of ReOx/Al2O3 Olefin Metathesis Catalysts **First Author:** Lwin, S., Lehigh U., Chemical Engineering, sol2@lehigh.edu **PI:** Stiegman, A., FSU, Chemistry, stiegman@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	Editing
219	**Title:** Direct Measurement of the Symmetric Hydrogen Bond Distance in Potassium Hydrogen Maleate by Solid-State 17O NMR **First Author:** Kong, X, Queen's University, Department of Chemistry, xianqi.kong@chem.queensu.ca **PI:** Wu, G, Queen's University, Department of Chemistry, Gang.Wu@chem.queensu.ca **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	Editing
221	**Title:** Measuring Non-Bonded 14N/13C Distances with the R-RESPDOR Experiment **First Author:** Harper, JK, University of Central Florida, Department of Chemistry, james.harper@ucf.edu **PI:** Harper, JK, University of Central Florida, Department of Chemistry, james.harper@ucf.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	Editing
228	**Title:** HFEPR Studies of Iron Porphyrin Biomimetic Models **First Author:** Chen, C.-C., National Chung Hsing U., Chemistry, d9851011@mail.nchu.edu.tw **PI:** Chen, P.-Y., National Chung Hsing U., Chemistry, pychen@dragon.nchu.edu.tw **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	Editing

246	**Title:** A Spectroscopic Investigation of Low-Coordinate, Phosphanylphosphido Iron Complexes **First Author:** Grubba, R., Gdansk U. of Technology, Poland, Inorganic Chemistry, grubba@pg.gda.pl **PI:** Grubba, R., Gdansk U. of Technology, Poland, Inorganic Chemistry, grubba@pg.gda.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	Editing
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