List Of 2016 Reports

ID#	Title, First Author, and Category	Status
94	**Title:** Pieces of the Puzzle: C4 in the Late Miocene of Southern California **First Author:** Bowman, C., NHMFL, EOAS, cnb09@my.fsu.edu **PI:** Wang, Y., NHMFL, EOAS, ywang@magnet.fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Submitted to** Palaeogeography, Palaeoclimatology, Palaeoecology **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
95	**Title:** Carbon and Oxygen Isotopic Evidence for Diets, Environments and Niche Differentiation of Early Pleistocene Pandas and Associated Mammals in South China **First Author:** Stacklyn, S., NHMFL, EOAS, sks09m@my.fsu.edu **PI:** Wang, Y., NHMFL, EOAS, ywang@magnet.fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Submitted to** Palaeogeography, Palaeoclimatology, Palaeoecology **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
102	**Title:** Elemental Composition and Optical Properties Reveal Changes in Dissolved Organic Matter along a Permafrost Thaw Chronosequence in a Subarctic Peatland **First Author:** Hodgkins, S.B., Florida State University, Earth, Ocean, & Atmospheric Science, sbh10c@fsu.edu **PI:** Chanton, J.P., Florida State University, Earth, Ocean, & Atmospheric Science, jchanton@fsu.edu **Category:** Geochemistry **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Published in** Geochim. Cosmochim. Acta 187, 123–140 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
110	**Title:** Structural Characterization of Natural Nickel and Copper Binding Ligands Along the US GEOTRACES Eastern Pacific Zonal Transect **First Author:** Repeta, D.J., Woods Hole Oceanographic Institution, Marine Chemistry, drepeta@whoi.edu **PI:** Repeta, D.J., Woods Hole Oceanographic Institution, Marine Chemistry, drepeta@whoi.edu **Category:** Geochemistry **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Published in** Frontiers in Marine Science DOI 10.3389/fmars.2016.00243 **Sign. Achievement: Yes** **Director's Recommendation: Yes** **Director's Comments:** None	Edited
145	**Title:** Influence of Biochar Carbon Thermal Stability, Carbon Forms and pH on Phosphorus Sorption in Sandy Soils **First Author:** Ngatia, LW, Florida Agricultural & Mechanical University, College of Agriculture and Food Sciences, lucy.ngatia@famu.edu **PI:** Ngatia, LW, Florida Agricultural & Mechanical University, College of Agriculture and Food Sciences, lucy.ngatia@famu.edu **Category:** Geochemistry **Facility:** NMR Facility **Highest Measured Field:** 300 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
176	**Title:** Thallium Isotopes Track and Record Global Manganese Oxide Burial **First Author:** Owens, J.D., (FSU, NHMFL Geochemistry), Geochemistry, jdowens@fsu.edu **PI:** Owens, J.D., (FSU, NHMFL Geochemistry), Geochemistry, jdowens@fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Submitted to** Geochim. Cosmochim. Acta **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited

177	**Title:** Tracking the Earliest Ocean Oxygenation through Thallium Isotopes **First Author:** Owens, Owens, National High Magnetic Field Lab, Earth Ocean and Atmospheric Sciences, jdowens@fsu.edu **PI:** Owens, Owens, National High Magnetic Field Lab, Earth Ocean and Atmospheric Sciences, jdowens@fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** This research is the thallium isotopic composition can be used as a proxy for oxidation state of the ocean. The potential of this isotope system lies in investigations the onset of the oxidation of our oceans, but also to investigate the formation and disappearance of anoxic basin and the formation of the atmosphere.	Edited
178	**Title:** Increased Ocean Anoxia prior to the Early Jurassic Toarcian Oceanic Anoxic Event **First Author:** Them, T.R., National High Magnetic Field Lab, Earth, Ocean and Atmospheric Sciences, tthem@fsu.edu **PI:** Owens, J.D., National High Magnetic Field Lab, Earth, Ocean and Atmospheric Sciences, jdowens@fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Submitted to** Nature Scientific Reports **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
179	**Title:** Vanadium Isotope Measurement by MC-ICP-MS **First Author:** Fei, W., National High Magnetic Field Lab, Earth, Ocean and Atmospheric Sciences, fwu@fsu.edu **PI:** Owens, J.D., National High Magnetic Field Lab, Earth, Ocean and Atmospheric Sciences, jdowens@fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
180	**Title:** Evidence for Rapid Weathering Response to Climatic Warming during the Toarcian Oceanic Anoxic Event **First Author:** Them, T.R., National High Magnetic Field Lab, Earth, Ocean and Atmospheric Sciences, tthem@fsu.edu **PI:** Owens, J.D., National High Magnetic Field Lab, Earth, Ocean and Atmospheric Sciences, jdowens@fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Submitted to** Nature Scientific Reports **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
328	**Title:** Global Patterns Drive Peatland Soil Organic Matter Composition and Subsequent Greenhouse Gas Production **First Author:** Normand, AE, University of Florida, Soil and Water Sciences Department, evangeline@ufl.edu **PI:** Normand, AE, University of Florida, Soil and Water Sciences Department, evangeline@ufl.edu **Category:** Geochemistry **Facility:** MBI-UF AMRIS **Highest Measured Field:** 11.7 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** Accepted manuscript Soil Science Society of America Journal doi: 10.2136/sssaj2016.05.0148	Edited
372	**Title:** Determination of the Radiocarbon Values of Sediment Trap Samples Collected From the Gulf of Mexico Following the Gulf Oil Spill in 2010 **First Author:** Chanton, JP, Florida State University, Earth Ocean and Atmospheric Science, jchanton@fsu.edu **PI:** Chanton, JP, Florida State University, Earth Ocean and Atmospheric Science, jchanton@fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Published in** P. Natl. Acad. Sci. U.S.A. Science 113 (24) E3332-E3340; doi:10.1073/pnas.1513156113 **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** The long-term impact of the 2010 Gulf of Mexico oil spill is debated as it is the response of the ecosystem to the huge influx of organic carbon. This study shows definitively that the carbon flux to the	Edited

	sediment had a significant component of oil-spill carbon up to 5 months after the drill hole was capped. This is an important measure of the recovery of the system.	
429	**Title:** Antimony Geochemistry in IIAB irons **First Author:** Fish, B. T., Florida State University, Earth, Ocean & Atmospheric Science, bf11e@my.fsu.edu **PI:** Humayun, M., Florida State University, Earth, Ocean & Atmospheric Science and NHMFL, humayun@magnet.fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
430	**Title:** Palladium Isotopic Composition of the Earth: Late Veneer vs. Magma Oceans **First Author:** Mayer, B., Florida State University, mayer@magnet,fsu.edu **PI:** Humayun, M., Florida State University, Geochemistry (NHMFL), humayun@magnet.fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
431	**Title:** Experimental Confirmation of the Volatility of Germanium in Martian Basalts **First Author:** Humayun, M., Florida State University, Geochemistry (NHMFL), humayun@magnet.fsu.edu **PI:** Humayun, M., Florida State University, Geochemistry (NHMFL), humayun@magnet.fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
432	**Title:** Germanium Abundances in Mid-Oceanic Ridge Basalts **First Author:** Yang, S., Florida State University, Geochemistry (NHMFL), syang@magnet.fsu.edu **PI:** Humayun, M., Florida State University, Geochemistry (NHMFL), humayun@magnet.fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
451	**Title:** Asymmetric Spreading at the Mid-Atlantic Ridge at 16.5°N **First Author:** Henrick, SR, NHMFL, EOAS/FSU, henrick@magnet.fsu.edu **PI:** Salters, VJM, NHMFL, EOAS/FSU, salters@magnet.fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
452	**Title:** Magmatism of Indian Heaven and Mount St. Helens, Southern Washington State **First Author:** Mandeville, JJ, NHMFL, EOAS/FSU, jjm10k@my.fsu.edu **PI:** Salters, VJM, NHMFL, EOAS/FSU, salters@magnet.fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
453	**Title:** The Magnesium Isotopic Composition of Cenozoic Foraminifera **First Author:** Dial, AD, FSU, EOAS, dial@magnet.fsu.edu **PI:** Landing, WM, FSU, EOAS, wlanding@fsu.edu **Category:** Geochemistry **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
455	**Title:** The Microbial Response to Atmospheric Dust **First Author:** Ebling, AM, FSU, EOAS, ame09@my.fsu.edu	Edited

PI: Landing, WM, FSU, EOAS, wlanding@fsu.edu
Category: Geochemistry
Facility: Geochemistry Facility
UCGP: No **VSP:** No **Publication Status:** Manuscript in preparation
Sign. Achievement: No
Director's Recommendation: No
Director's Comments: None

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