



**DEPARTMENT OF GEOSCIENCES  
JUNIOR PAPERS (Class of '18)  
SPRING 2016-2017**

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- William A. Atkinson** “The Role of Minerals in Stabilizing Soil Carbon from Greenhouse Gas Feedbacks”  
*S. Myneni*
- Keo Z. Chan** “Factors Influencing Carbon Burial in FJORD Sediments”  
*B. Ward*
- Maricela Coronado** “Late Maastrichtian at Mishor Rotem, Israel: Environmental Changes and Planktic Foraminiferal Turnover”  
*G. Keller*
- Walker S. Darling** “High-Pressure Study of Hambergite ( $\text{Be}_2\text{BO}_3\text{OH}$ ) By X-Ray Diffraction”  
*T. Duffy*
- Donald E. Martocello** “Development of H-Aquil – A Chemically Defined Cell Culture Medium for Trace Metal Studies in Heterotrophic Marine Bacteria”  
*F. Morel*
- Erin A. McCabe** “Cabeling and the Supply of Low Latitude Nutrients via Transport Across 30°S”  
*J. Sarmiento*
- Shayne P. McKenna** “One-Box Modeling of Sr and Os Isotopes Across the Cenozoic Era”  
*J. Higgins*
- Joshua Murray** “Detailed Monte Carlo Simulations of a NAÏVE Bayesian Geochemical Classifier: Applications for the Columbia River Basalt and Other Large Igneous Provinces”  
*B. Schoene*
- Nicole E. Rinaldi** “Nitrogen and Carbon Isotopic Composition of Collagen and Enamel-Bound Organic Matter in Bovine Teeth”  
*D. Sigman*
- Hannah T. Tandy** “Early Danian Climatic and Faunal Changes in the Western North Atlantic: Relationship to Deccan Volcanism in India”  
*G. Keller*