



DEPARTMENT OF GEOSCIENCES
JUNIOR PAPERS (Class of '20)
SPRING 2018-2019

- Roman M. Ackley** “A Multiproxy Approach to a High-Resolution, Varve-Derived Chronology of a High Arctic, Lacustrine Sediment Core”
J. Higgins
- Adam Noel Azan** “Determining Pb Accumulation Rates in Juvenile *Pseudosasa Japonica*”
J. Higgins
- Sam Bartusek** “The Decadal Behavior of Westerly Wind Events Through a Moist Static Energy Framework”
G. Vecchi
- Udit Aabir Basu** “A Further Understanding Gas Exchange Through Sea Ice Using Biogeochemical Profiling Floats”
J. Sarmiento
- Alexander Cavoli** “Development of a Software Package to Recognize Cyclicities From Outcrop-Scale Photographs”
F. Simons
- Kiley Coates** “Nutrient Quality of Food Scrap Derived Compost”
S. Myneni
- Perrin A. B. Hagge** “Insights into the Diet of Herbivores from Magnesium and Calcium Isotopes in Tooth Enamel”
J. Higgins
- Polly Hochman** “Mechanisms of Diagenesis in an Ordovician Tabulate Coral”
J. Higgins
- Liam P. O’Connor** “Mercury as a Proxy for Deccan Volcanism in Israel”
G. Keller
- Calvin Rusley** “Assessing the Validity of a Subsurface Lithoautotrophic Microbial Ecosystem Metagenome from a South African Deep Subsurface Brine”
T. C. Onstott



SPRING 2018-2019

Elizabeth Wallace

“Distribution and Diversity of Nitrous-Oxide-Consuming Bacteria in the Eastern Tropical North Pacific Oxygen Deficient Zone”

B. Ward

Laurie Zielinski

“Reproducibility of Overlapping Magnetometric Surveys at Polis Chrysochous, Cyprus”

F. Simons