

Poster Session 4

Friday, April 19, 1-3pm, Skeen Library

| Registration Number | Author(s): | Project Title: |
|----------------------------|--|---|
| SRS2024-024 | Jaina Mae Olson (SRP) | Space Resource Management: A New Frontier of Education Curriculum and Research Agenda |
| SRS2024-028 | Aaron Madrid | Environmental Effects on Piezoelectric Materials |
| SRS2024-029 | David Koshkin (SRP) | A Visualization of the G26E @xnd ATP Synthase C-Subunit Ring |
| SRS2024-031 | Efrain Perez (SRP) | Leaf-Inspired Drones |
| SRS2024-032 | Jakobe Ochoa | Optimization of Drive and Navigation Systems for Extreme Terrain |
| SRS2024-045 | Emma Brudos, Anne Dunn, Jack White | Recycled Concrete for Use as Fine Aggregate Replacement in New Concrete |
| SRS2024-064 | Benito Silva, Dylan Schroeder, Gabriel Beltran | Development of a Rubber Substitute for Tire Applications |
| SRS2024-067 | Levina Yazzie, Zora Tolino-Minefee | The Predictions of Weather Soundings |
| SRS2024-070 | Derek Plummer | Anthropomorphic Character Design in Super Smash Bros. |
| SRS2024-071 | Simon Kopischke, Ruben Rodriguez-Hernandez | The Redemption Arc of Video Games: An Analysis of Video Game Articles Before, During, and After the COVID-19 Pandemic |
| SRS2024-076 | Tyler LeMoine | Dying in Style: An Analysis of In-App Purchases and Player Base Longevity |
| SRS2024-079 | Samuel Gore | Effects of Popularity on Pokémon Catch Rate |

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| SRS2024-081 | Henry Tosta, Ethan James, Ashlynn Juarez, Isaiah Probst | Eco-crete: Recycled Fiberglass Concrete |
| SRS2024-085 | Spencer Ireland, Tatiana Rodriguez, Esteban Araya | Probing Ammonia Emissions near Ionized Jet Candidates |
| SRS2024-089 | Joel Pilli, Claire Putelli | MgO and ZnO Doped Hydroxyapatite with Tannic Acid for Orthopedic and Dental Applications |
| SRS2024-094 | Tabitha Hunter, James Montoya, Devyn Delcurto | Determining the Physiological Effects of Virtual Reality As It Relates to Cybersickness |
| SRS2024-097 | Chloe Avitia, Lauren Hall, Olivia Cantrell | Lightning Rod Studies |
| SRS2024-100 | Lawrence Burkett | A Scientific Ballooning Project at Langmuir |
| SRS2024-101 | Breana Silvis | Nuclear vs. Cytoplasmic Gene Expression in Diploid vs. Polyploid Arabidopsis |
| SRS2024-107 | Mario Escarcega | Stratospheric Station-Keeping Model Predictive Control for a High-Altitude Platform Station |
| SRS2024-112 | Olivia Cantrell, Lauren Hall, Chloe Avitia | Understanding Cloud to Ground and Intracloud Lightning Flashes Observed from Space |
| SRS2024-114 | Anthony Lavelle, Ian Ahlen | Low-temperature Sintered Lithium Zirconate and the Conductivity Analysis |
| SRS2024-119 | Anthony Baker, Joshua Vance | Improving Hydrogel Surface Polymerization for Digital Image Correlation Applications |
| SRS2024-127 | Sarah Crotzer | Novel Phage Characterization Software: Automating the Quantitative and Qualitative Analysis of Plaques |