

Top 20 Papers

Senior Division

1. Chloe Xu A Comparative ML Approach to Predict Habitability of Confirmed Exoplanets Adlai Stevenson High School
2. Vignesh Tiruvannamalai Josephine Kim DDX18 plays a Functional Role in the Association of Centromeres and Heterochromatin to the Nucleus Illinois Math and Science Academy
3. Ella Schieleit Comparing MOF Carbon Dioxide Adsorption Northside College Prep
4. Nikita Agrawal Improving Tropical Cyclone Track Forecast Whitney Young High School
5. Katie Stabb Bitumen on Keystone Species *Zizania palustris* Oak Park River Forest High School
6. Jessica Li Scaffolds Using Thermomolding for tissue Engineering Oak Park River Forest High School
7. Ishnat Sharma The Plastic Predicament Effect of Food Grade Density on Food Safety Illinois STEM Society
8. Manaal Siddiqui Can Nanotechnology Help Clean Oil Spills Illinois STEM Society
9. Anirudh Saravanan Meta-Analysis Research to Discover Novel Method for Increasing the Role of NK Cells in LAG-3 Immunotherapy to Increase Efficiency of Melanoma Treatment IMSA RISE
10. Cyrus Darki The Influence of Patient's Sex on Acute Pulmonary Embolism Outcomes IMSA/RISE

Junior Division

1. Arya Komanduri Can Mnemonics Improve Memory? Avery Coonley School
2. Zahra Karim What Light Makes the Solar Car go the Furthest? Islamic Foundation School
3. Millie Austin Sports Injuries in Children Avery Coonley School
4. Ethan Jos'Land Andrew Cai Weather's Effect on Drone Battery Life Barrington Middle School-Prairie Campus

5. August Goebel How Does the Angle a Projectile is Launched
Affect the Distance Traveled? St. Isaac Jogues
6. Sarina Patel Which Child Resistant Medicine Bottle Design
is the Most Effective? Barrington Middle School-Prairie Campus
7. Parker Racette Fissions Inefficiencies Summit Hill Junior
High School
8. Sabina Nguyen What are the Effects of Music on
Cardiovascular Function? Barrington Middle School-Prairie
Campus
9. Summer Polansky The Bounce Test Summit Hill Junior High
School
10. Aanvi Patel Airborne Ultrasonic Sounds of Ficus Elastica
Barrington Middle School-Prairie Campus