

1st Prize

\$ 500 Cash

Marcus A. Sharp

Washington State University



e & Techno

Study of Rh Adatoms, Nanoparticles, and Mixed Oxide Systems on the Single Crystal Fe3O4(001)

Surface in UHV



1st Prize

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Ce & Technolo

\$ 500 Cash

Alvin Chang

Cornell University





2nd Prize

\$ 300 Cash

Kevin D. Vallejo

Boise State University



Tensile-strained InGaAs quantum dots on GaSb(111)A via molecular beam epitaxy



2nd Prize

\$ 300 Cash

Hoan Nguyen

Oregon State University



Synergistic Study of Thermal Decomposition of Acetic Acid on Pd(111) using Ambient Pressure X-Ray Photoelectron Spectroscopy (AP-XPS) and Density Functional Theory (DFT)



2nd Prize

\$ 300 Cash

Nasseha Cardwell

Washington State University



Capturing the Coverage Dependence of Aromatics via Mean-Field Models



3rd Prize

\$ 150 Cash

Carrington Moore

Washington State University



Determining the Adsorption Mechanism of 2,3-butanediol on RuO2 using First Principles



3rd Prize

\$ 150 Cash

Marcos Lucero

Oregon State University



High performance iron-based phosphate anode for aqueous sodium-ion batteries



3rd Prize

\$ 150 Cash

Jake Soares

Boise State University



Nucleation and growth of molybdenum disulfide grown by thermal atomic layer deposition on metal oxides



3rd Prize

\$ 150 Cash

Jack Grimm

University of Washington



Characterization of the composition and mechanical properties of aprismatic crocodilian tooth enamel

\$ 100 Cash

Si-Hao Chen

Oregon State University

Cu-Ga-S/ZnS Quantum Dots with Silica Melting Gel as a Luminescent Downshifting Coating for Enhancing Solar Photovoltaic Power Generation

\$ 100 Cash

Widitha Samarakoon

Oregon State University

Structure and Properties of Epitaxial LiCoO2 thin films

\$ 100 Cash

Anqi Yu

Pacific Northwest National Lab

Decoupling of Strain and Temperature Effects on Microstructural Evolution during High Shear Strain Deformation

\$ 100 Cash

Pritha Biswas

Oregon State University

Oxygen Vacancy Induced Polymorphs Formation in RF Sputtered TiO2 and Widening of Stability
Window of Low Temperature Polymorph



1st prize

\$ 250 Cash

Joel Price

Eastern Washington University

CE Technology

An optical study of LaNiFeO3



2nd prize

\$ 150 Cash

Cole DeCesare

Oregon State University



Characterization and Confirmation of Products of Zeolitic Imidazolate Framework 8 (ZIF-8) Thin-Film,
Room-Temperature, Microfluidic Pen Synthesis



2nd prize

\$ 150 Cash

Beckett Lewis

Oregon State University



Controlling the Morphology of Vapor Phase Deposition of Tungsten by Different Heating Techniques

High School Student

Outstanding Performance Award

\$ 100 Cash

William Guo

Lincoln High School



Techno-economic Comparison of Catalysts for Proton-Exchange Membrane Electrolysis

Awards Winners

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