

2017 MRS-S Graduate Student Awards

Wednesday, 21 June 2017

1:30pm - 3:30pm

Nicoll 3

Shortlisted Presentations

#1 ID: 170104

Active Edge Sites Engineering in Nickel Cobalt Selenide Solid Solutions for Highly Efficient Hydrogen Evolution

Chuan XIA

King Abdullah University of Science and Technology, Saudi Arabia

#2 ID: 170994

Tailoring Structural and Electronic Properties of Graphene on Metals: Towards an Atomistic High-accuracy Description of Large Systems

Carlos ROMERO-MUÑIZ

Universidad Autónoma de Madrid, Spain

#3 ID: 170265

Biocompatible Red Emissive Organic Nanoparticles with Tunable Size for Detection of Blood-Brain Barrier Damage

Xiaolei CAI

National University of Singapore, Singapore

#4 ID: 170309

Strain-induced Randomly-distributed Fractures for High-performance Stretchable Electrodes and Strain Sensors

Zhiyuan LIU

Nanyang Technological University, Singapore

#5 ID: 170313

Aqueous Sustainable Synthesis of Alluaudite Family of High-voltage Sodium Battery Materials

Debasmita DWIBEDI

Indian Institute of Science, India

#6 ID: 170647

Soft, Stretchable, Hair-like Pulse Monitoring Sensor

Joo Chuan YEO

National University of Singapore, Singapore

#7 ID: 170371

Recombination Suppressed Amorphous Carbon Nitride (ACN) Nanosheet Photocatalyst for Co-catalyst Free Solar Hydrogen Production

Mohammad Ziaur RAHMAN

The University of Adelaide, Australia

#8 ID: 170438

Aptamer-AIE Dots: A Promising Tumor-Targeting Nanoprobe for Translational Medicine

Pengfei ZHANG

Hong Kong University of Science and Technology, Hong Kong S.A.R. (China)

#9 ID: 170660

A Novel Conjugated Building Block TBTT for Organic Electronics

Cheng ZHANG

Institute of Chemistry, Chinese Academy of Sciences, China

#10 ID: 171155

Dityrosine-folic Acid Conjugate in Electrospun Nanofibers for Selective Cell Adhesion

Gagandeep KAUR

Indian Institute of Technology Kanpur, India

#11 ID: 171313

MoO₃ Solar-Rechargeable Na-Ion Intercalation Batteries for Direct Conversion and Storage of Solar Energy

Shi Nee LOU

The University of New South Wales, Australia

#12 ID: 171394

Controlled Synthesis of Sb₂Se₃ Nanostructures with Varying Aspect Ratio for Efficient Photoelectrochemical Water Splitting

Wooseok YANG

Yonsei University, South Korea

#13 ID: 171461

Antibacterial Activity of Graphene Oxide Complemented with Pluronic

H. Enis KARAHAN

Nanyang Technological University, Singapore

#14 ID: 171821

Fabrication of Dynamic Microstructures with High Aspect Ratios and Stimuli Responsiveness using Quantitatively Improved Protein Photoresists

Chee Leng LAY

Nanyang Technological University, Singapore

#15 ID: 172142

Synthesis of CdS-MoS₂ and CdS-WS₂ Heterostructures for Efficient Photocatalytic Hydrogen Evolution

Junze CHEN

Nanyang Technological University, Singapore