

Paper Number	Paper Title	First Name	Last Name	Affiliation
6i	Engineering Visible-Light Organic Photocatalysis for Polymers in Biomaterials, Biosensing, and Photomedicine	Alan	Aguirre-Soto	Massachusetts Institute of Technology
6am	Conversion of Waste Oil to Biofuels in a Single Catalytic Process over Bifunctional Catalysts	Masoudeh	Ahmadi	University of Louisville
6af	Nanostructured Transition Metal Dichalcogenide Catalysts for Electrochemical Energy Systems	Mohammad	Asadi	University of Illinois at Chicago
6f	Transition Metal-Oxides for Sustainable Energy Conversion and Storage: The Computational Catalysis Perspective	Michal	Bajdich	SUNCAT Center for Interface Science and Catalysis, Stanford University and SLAC National Accelerator Laboratory
6v	Expanding <i>Ab-Initio</i> Transition Metal Chemistry Using Artificial Neural Networks	Jacob R.	Boes	Carnegie Mellon University
6z	Upgrading Biomass-Derived Platform Chemicals By Electrochemical and Photoelectrochemical Catalytic Oxidation	David	Chadderdon	Iowa State University
6a	Electrochemical Energy Transformation Processes: An Atomistic Perspective	Leanne D.	Chen	SUNCAT Center for Interface Science and Catalysis, Stanford University and SLAC National Accelerator Laboratory
6t	Engineering the Electrochemical Interface for Sustainable Energy Conversion and Storage	Maria	Escudero-Escribano	Technical University of Denmark
6x	Catalytic Hydrotreatment for the Development of Alternative Transportation Fuels	LiLu	Funkenbusch	Michigan Technological University
6e	New Routes and Heterogeneous Catalysts Development for Biomass Conversion	Homer	Genuino	Inorganic Chemistry and Catalysis, Debye Institute for Nanomaterials Science, Utrecht University
6ai	First-Principles Modeling of Catalysts: Novel Algorithms and Reaction Mechanisms	Bryan R	Goldsmith	Fritz-Haber-Institut der Max-Planck-Gesellschaft
6h	Fundamental Structure-Function Relationships for Biomass Catalysis	Konstantinos A.	Goulas	University of Delaware
6p	Electrocatalysis for Sustainable Energy Technologies	Drew	Higgins	Stanford University
6ac	In silico Engineering of a Future Energy Infrastructure	Glen R.	Jeness	University of Delaware
6k	Impacts of Metal-Adsorbate Bonds on Photon Activation Mechanism and Nanoparticle Reconstruction in Heterogeneous Catalysis	Matthew	Kale	University of California, Riverside
6m	In-Situ Drifts Studies on CuNi Catalyst for Ethanol Hydrogen Production	Anand	Kumar	Qatar University
6ab	Theory-Guided Understanding and Design of Heterogeneous Catalysts	Matthew M.	Montemore	University of Colorado Boulder
6ae	<i>Mechanisms of Redox Catalysts for the Greener Processing of Shale Gas Via Chemical Looping</i>	Luke	Neal	North Carolina State University
6ar	Catalysis Reactions towards Advanced Energy Applications	Richa	Padhye	Texas Tech University
6l	Condition and Support Dependent Development of Computational Methods for the Engineering of Materials	Christopher	Paolucci	University of Notre Dame
6aj	Development of Catalysts for Energy and Environmental Applications	Marc D.	Porosoff	University of Delaware
6r	Nanostructured Hybrid Materials: Directing Catalytic Activity and Selectivity By Design	Kairat	Sabyrov	University of California at Berkeley
6ah	Mechanistic, Spectroscopic and Theoretical Assessment of Porous Catalytic Materials	Michele L.	Sarazen	University of California, Berkeley
6d	Efficient Catalytic Pathways for Carbon Utilization	Erdem	Sasmaz	University of South Carolina

6b	Developing Enhanced Catalysts for Renewable Fuels through Spectroscopic Insights	Linsey C.	Seitz	Michigan State University
6aq	Smart Materials through Molecular Networking	Sergey N.	Semenov	
6q	<i>Combined Quantum and Classical Computational Approaches for Investigating Complex Surface Interactions Impacting Heterogeneous Catalysis</i>	Thomas P.	Senftle	Princeton University
6ap	Development of Novel Single-Site and Isolated Bimetallic Alloy Catalysts for C-H Bond Activation	Junjun	Shan	Tufts University
6o	A Practical Way to Separate Uncondensed Lignin during Biomass Pretreatment and Quantitatively Depolymerize It at a Low Temperature of 120°C with a Cheap Ni/Al ₂ O ₃ -Li SiO ₂ Catalyst		Shuai	
6g	Rational Catalyst Design for Renewable Energy Technologies	Samira	Siahrostami	Stanford University
6ao	Understanding and Improving Electrocatalysts for Energy Conversion and Waste Remediation	Nirala	Singh	Pacific Northwest National Laboratory
6as	Synthesis and Spectroscopic Characterization of Heterogeneous Catalysts for Energy Production	Junming	Sun	Washington State University
6aa	Rational Design of Catalytic Sites for Energy Applications	Timothy	Van Cleve	University of Colorado Boulder
6an	Rational Design of Catalytic Materials for Advancing the Use of Alternative Energy Sources	Eric	Walker	University of South Carolina
6al	Development of Heterogeneous Catalysis towards a Sustainable Future	Yuran	Wang	Massachusetts Institute of Technology
6w	Fundamental Studies and Applications of Nano-Structured Catalysts in Domestic Fuel Production	Cun	Wen	University of South Carolina
6n	Semi-Permeable Membrane Reactor for Catalysis, Hydrocarbon Processing and CO ₂ Reuse	Xiao-Yu	Wu	Massachusetts Institute of Technology
6ad	Insight into Pt-Bi Bimetallic Catalysts: An Experimental and DFT Study	Yang	Xiao	Purdue University
6s	Towards the Computational Design of Heterogeneous Electrocatalysts	Zhenhua	Zeng	Purdue University
6ak	Catalysts for Emission Control and Energy Conversion: Computational Study Based on DFT Calculations	Renqin	Zhang	Washington State University
6c	Computational Design of Hetero-Structured Catalysts for Energy	Liang	Zhang	Stanford U. & SLAC National Accelerator Laboratory
6u	Controlled Synthesis and in-Situ Spectroscopic Study of Highly Efficient Ptfe Bimetallic and Ptufe Trimetallic Nanocatalysts	Hua	Zhang	Xiamen University
6y	Exploring Structure-Function Correlations of Nanomaterials in Heterogeneous Catalysis	Weiying	Zheng	University of Delaware