
Paper 617dp: Cobalt-Copper Alloy Nanoparticle Catalysts for Higher Alcohol Synthesis from Syngas — Jonathan Snider, Laiza Mendes, Samuel D. Fleischman, Jakob Kibsgaard, Donato Aranda, Thomas F. Jaramillo


Paper 617dr: Syngas Production via Chemical Looping — Aneey More, Saurabh Shahvar, Charles Hansen, Gütçü Veseer

Paper 617dc: Dispersed Surfide Catalysts for Hydrocracking of Vacuum Residue — Ki-Duk Kim, Sung-Ho Kim, Yong-Kui Lee

Paper 617db: Oxidative-Extractive Desulfurization of Model Diesel Oil by CTA-Type Dawson-Type Emulsion Catalyst — Farhad Banishehr, Mohammad Reza Dehghani, Matin Parvazi, Jose M. Campos-Martín

Paper 617da: The Characteristics of Diesel Steam Reforming at Pressurized Environment for the Operation of Solid Oxide Fuel Cell — Dongyong Kim, Jiwoo Oh, Minseok Bae, Jongmyeong Bae, Sai P. Patilkaneni


Paper 617dc: Photochemical Reactions on Plasmonic Metal Nanoparticles: Underlying Mechanism of Charge Extraction from Nanoparticles to Adsorbates — Calvin Boettger, Umar Aslam, Suljo Linic


Paper 617dy: Understanding the Role of Cathode Surfaces in Selective Electrocatalytic CO2 Reduction Systems Utilizing Molecular Co-Catalysts — Coleman Kronawitter, Bruce Noel

Paper 617dz: Novel Catalysts for Photocatalytic Conversion of CO2 and CO2/CH4, Systems to Syngas — Karisma Piek, Paul Bernazzani, Cristian Bahrim, Tracy J. Benson

Paper 617de: Hydrolytic Radical Scavenging Activity of Silver Nanoparticles: Enhancing Photocatalytic Reduction and Decreasing Photocatalytic Oxidation Rate — Alexander Stenger, Hangbin Pan, Michael D. Heagy, Sanchali Chowdhury

Paper 617dd: Visible Light Photoactivity of Ion-Immiscible Titania Nanocomposites — Mohammad Mehedi Hasan, Shamsi Akhter Ferdousi, Luni Young

Paper 617dc: Destruction of VOC on Pt/Modified-CeO2 Catalysts — Yu-Wen Chen

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Paper 617da: Developing Catalysts for the Partial Electrochemical Oxidation of Methane — Michael Boyd

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Paper 617dc: Understanding Gas Evolution Dynamics on Planar Photocathodes — Anna Dorfi, Daniel V. Esposito, Alan West

Paper 617dc: Rational Syntheses of Core–Shell Fe3O4@Pt Nanoparticle Electro catalysts for the Methanol Oxidation Reaction with Complete Suppression of Co-Poisoning and Highly Enhanced Activity — Md. Abdul Matin, Anand Kumar

Paper 617dc: Enhancing Electrocatalytic CO2 Generation for Methanol Oxidation Using Catalysts with a Partially Oxidized Pt and Rh Core and a SnO2 Shell — Guangxiong Yang, Xiaowei Teng

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Paper 617dc: Ionic Compounds for Carbon Dioxide Electroreduction — Alan Landers, Thomas P. Hestermann, Jakob Kibsgaard, Christopher Hahn, Thomas F. Jaramillo

Paper 617dc: Methanol Production from CO2 — Md. Abdul Matin, Anand Kumar

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Paper 617dc: Electrochemical Conversion of CO2 to Formic Acid Using Rotating Lead Electrode — David Rockstraw, Reyed Shawaikath, Alan Sakai

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Paper 617dc: Engineering Ultra-Small Nanochannel Electro catalyst Towards the Improvement in Oxygen Evolution and Oxygen Reduction Reaction — Makoto Mitan, Pongkarn Chakravart, Thomas F. Jaramillo

Paper 617dc: Low-Platinum Electro catalysts for the Oxygen Reduction Reaction at Fuel Cell Cathodes — Maha Yufit, Drew Higgins, Thomas F. Jaramillo