

## List of Accepted Abstracts

### Materials for Energy Session

ID	New ID	Paper Topics	Presentation
O-EN-145	<b>EN-O-01</b>	The Variation of Ternary Catalyst Atomic Ratios (PtRuSn/C and PtRuNi/C) for Ethanol Electrooxidation in Direct Ethanol Fuel Cell	Oral
O-EN-239	<b>EN-O-02</b>	CO Tolerance of Pd-Ni-Sn Electrocatalytic Compositions for Use in Direct Ethanol Fuel Cells	Oral
O-EN-073	<b>EN-O-03</b>	Effect of Sr Substituted $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4\pm\delta}$ ( $x = 0, 0.2, 0.4, 0.6, \text{ and } 0.8$ ) on Oxygen Stoichiometry and Oxygen Transport Properties	Oral
O-EN-206	<b>EN-O-04</b>	Improved Conductivity and Phase Stabilization of $\text{Sr}^{2+}$ and $\text{Ca}^{2+}$ Doped $\text{La}_2\text{Mo}_2\text{O}_9$	Oral
O-EN-267	<b>EN-O-05</b>	Experimental Investigation and Numerical Determination of Custom Gas Diffusion Layers to Understand Water Transports in PEMFC	Oral
O-EN-020	<b>EN-O-06</b>	Effect of Nitrogen Doping on the Reducibility, Activity and Selectivity of Carbon Nanotube-Supported Iron Catalysts for $\text{CO}_2$ Hydrogenation	Oral
O-EN-039	<b>EN-O-07</b>	Facile Preparation of CuO and $\text{Cu}_2\text{O}$ Nanoparticles	Oral
O-EN-149	<b>EN-O-08</b>	The Effect of $10\text{Ni}/10\text{Y}_2\text{O}_3\text{-Al}_2\text{O}_3$ in Ethanol Stream Reforming (ESR)	Oral

O-EN-150	<b>EN-O-09</b>	Catalytic Activity of Ethanol Steam Reforming over Ni-Ceria doped alumina (10Ni/10CeO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> )	Oral
O-EN-151	<b>EN-O-10</b>	The Effect of Doping CaO onto Alumina over Nickel Catalyst in Ethanol Steam Reforming	Oral
O-EN-154	<b>EN-O-11</b>	Total Energy Requirement for Hydrogen Production Reactor	Oral
O-EN-318	<b>EN-O-12</b>	Simultaneous Adsorption of Trace Metal and SO <sub>2</sub> using Zeolite Adsorbent during Combustion of Brown Coal	Oral
O-EN-256	<b>EN-O-13</b>	Synthesis of Ti-based Icosahedral Quasicrystal Powders by Mechanical Alloying and Their Hydrogen Sorption Properties	Oral
O-EN-178	<b>EN-O-14</b>	Comparison of Pyrolysis of Jatropha Cake with Different Catalysts Using PY-GC/MS	Oral
O-EN-340	<b>EN-O-15</b>	Preparation of Co/SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Fiber by Electrospinning for Fischer-Tropsch Synthesis	Oral
O-EN-190	<b>EN-O-16</b>	Enhanced Electroluminescence of Silicon-rich Oxide/SiO <sub>2</sub> Multilayer Structures Deposited by Hydrogen Ion-beam Assisted Sputtering	Oral
O-EN-104	<b>EN-O-17</b>	Two-step Treatment of Electroplated Cu/Sn Bilayers: Impact of Alloying before Sulfurization	Oral
O-EN-290	<b>EN-O-18</b>	Characterization of TiO <sub>2</sub> Nanotube Arrays Fabricated from Two-Step Anodization	Oral
O-EN-191	<b>EN-O-19</b>	Improving the Electrochemical Performance of SnO <sub>2</sub> Hollow Spheres by Titanium Dioxide Coating	Oral

O-SD-205	<b>EN-O-20</b>	Improvement in Li-Air Batteries using Flow Electrolyte through Electrode Structure Design and Modelling	Oral
O-EN-098	<b>EN-O-21</b>	Thermal Effects of Electrical Energy Harvested from a Laminated Piezoelectric Device in Engine Compartment	Oral
O-EV-279	<b>EN-O-22</b>	Thermoelectric Properties of Au Nanoparticle Incorporated Mesoporous ZnO Composite Thin Film by Using Reverse Micelle Structure	Oral
P-EN-010	<b>EN-P-01</b>	A Facile Synthesis of Nanorods of ZnO/Graphene Oxide Composites with Enhanced Photocatalytic Activity	Poster
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