Special Issue

Recent Development of Electrocatalysis for Reduction of Carbon Dioxide

Message from the Guest Editor

Decreasing the use of fossil fuels and the shift to renewable energy make electrochemical reaction processes candidates to replace many conventional thermochemical reaction processes. The cost of electric power from PV has to become competitive with that of fossil fuels, which make the electroncatalytic reduction of CO2 be an even hot topic than thermal- or photo-CO2 reduction in the very recent years. As a energy-dense pathway for CO2 reduction, CO2 electroncatalytic reduction may be able to go faster than CO2 photoreduction. The opportunities for reaction engineers in electrochemical systems are abundant.

Guest Editor

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