



KOJI HASHIMOTO

Date of Birth October 23, 1935

Current Position

Guest Researcher, Tohoku Institute of Technology

Education

March 1960 M.Sc., Chemistry, Faculty of Science, Tohoku University

Degree

October 1966 D.Sc., Tohoku University

Research and Professional Experience

April 1960 Research Associate,
Institute for Materials Research, Tohoku University
November 1966 Associate Professor
Institute for Materials Research, Tohoku University
May 1987 Professor
Institute for Materials Research, Tohoku University
March 1999 Retired from Tohoku University
April 1999 Professor Emeritus of Tohoku University
April 1999 Professor
Tohoku Institute of Technology
March 2006 Retired from Tohoku Institute of Technology
April 2006- Guest Researcher
Tohoku Institute of Technology
March 2008 Professor Emeritus of Tohoku Institute of Technology

July 1967-July 1969
Post Doctorate Fellow
National Research Council, Canada,
Division of Applied Chemistry

Research Activity

He has published over 550 papers in scientific journals in addition to review articles and book chapters.

1. Tailoring of corrosion-resistant alloys
 - 1-1 Corrosion-resistant amorphous and nanocrystalline alloys
 - 1-2 Passivity of corrosion-resistant alloys
 - 1-3 Role of corrosion-resistant elements
 - 1-4 Extremely corrosion-resistant bulk amorphous alloys
 - 1-5 Corrosion-resistant alloys in sulfidizing and oxidizing environments at high temperatures
2. Tailoring of electrocatalytically active and corrosion-resistant materials for electrolysis of aqueous solutions
3. Key materials and systems for global CO₂ recycling - For supply of renewable energy and for prevention of global warming-
 - 3-1 Tailoring of catalysts for carbon dioxide methanation
 - 3-2 Carbon dioxide methanation system
 - 3-3 Tailoring of oxygen evolution anodes for seawater and alkaline electrolysis
 - 3-4 Tailoring of hydrogen production cathodes for seawater and alkaline electrolysis
 - 3-5 Seawater electrolysis system for hydrogen production and oxygen evolution

International Award

The Electrochemical Society Fellow Award: September 3, 1997

The H. H. Uhlig Award, The Electrochemical Society: October 18, 1999

The NACE International Fellow Award: March 29, 2000

The NACE International W. R. Whitney Award: April 7, 2002

The Science of Hydrogen & Energy Award 2011: January 27, 2011

The Olin Palladium Award, The Electrochemical Society: October 9, 2011

The Marcel Pourbaix Award, International Corrosion Congress: November 5, 2014

URL: <http://co2recycle.wixsite.com/co2recycle>