



Koichi Izumiya

General Manager
R&D Strategy Department, R&D Planning Unit, R&D
Headquarters, Kanadevia Corporation
2-11, Funamachi 2-chome
Taisho-ku, Osaka 551-0022, Japan
Tel: +81-80-57749691
Email: izumiya@kanadevia.com
Webpage: <https://www.kanadevia.com/english/>

Education:

PhD (1993/4~1998/3) Graduate School of Engineering, Tohoku University, Japan
Department of Materials Science

B.S. (1988/4~1993/3) Faculty of Engineering, Tohoku University, Japan
Department of Materials Processing

Selective Honors & Awards:

1. Young Scientists Award, The Japan Institute of Metals and Materials (1995)
2. Best Paper Award, The Japan Society of High Pressure Science and Technology (2025)

Research Areas:

Electrochemistry, Material Science, Power to Gas, Methanation, Water electrolysis

Selective Publications:

1. “Development and Demonstration of Methanation Processes Toward Decarbonization”, *Journal of Pressure Engineering*, Vol. 62, No. 4, (2025), 163–169.
2. “Methane Production Technology from CO₂ for Carbon Recycling”, *Journal of the Japan Welding Society*, Vol. 91, No. 1, (2021) 81–86.
3. “Role, Current Challenges, and Future Outlook of Polymer Electrolyte Water Electrolysis in Power-to-Gas Systems”, *Journal of the Japan Society of Mechanical Engineers*, Vol. 124, No. 1235, (2021) 32–35.
4. “Global Carbon Dioxide Recycling — Corrosion Prevention as the Key to Renewable Energy Utilization”, *Zairyo-to-Kankyo (Corrosion Engineering)*, Vol. 58, No. 7, (2009) 250–259
5. “Oxygen evolution on manganese–molybdenum oxide anodes in seawater electrolysis”, *Materials Science and Engineering A*, 267, 2(1999) 254-259