

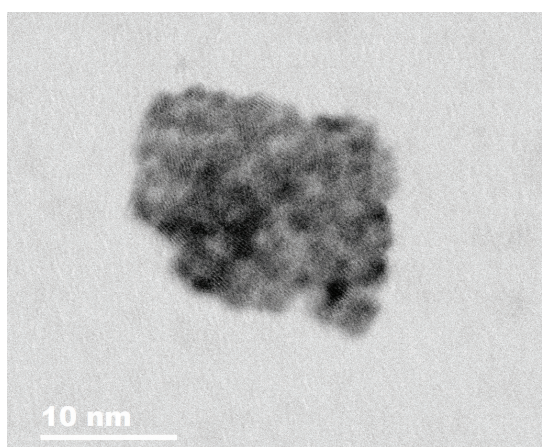
Electrocatalyst for Water Electrolysis

Recently, Power to Gas, which uses renewable energy such as wind and solar power to electrolyze water and produce hydrogen, has been attracting attention.

Tanaka Precious Metals has achieved mass production of electrocatalysts for water electrolysis, and is developing electrocatalysts with even higher activity and durability.

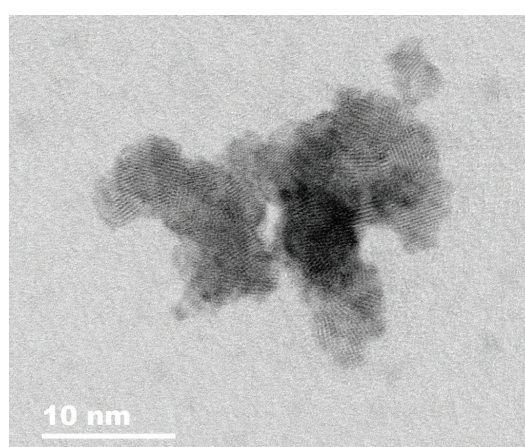
High activity IrO_x catalyst

TEC77100



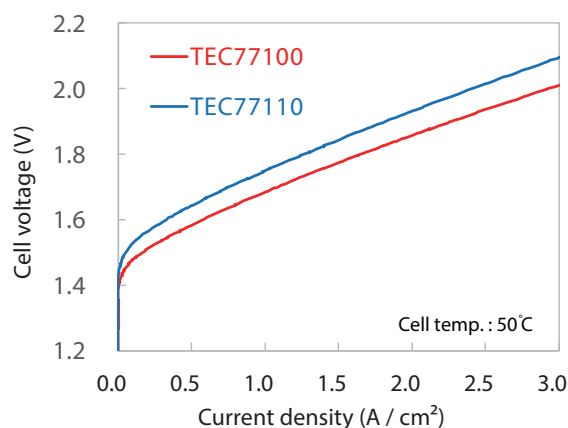
High durability IrO₂ catalyst

TEC77110



	TEC77100	TEC77110
Ir (wt%)	76	86
Catalyst surface area(m ² /g)	90 - 120	40 - 70
Average crystallite size (Å)	10 - 20	20 - 40

Initial performance



Durability

Catalyst	Degradation rate (μV / h)
TEC77100	5 - 40
TEC77110	0 - 10

※Cell temp.: 50°C, Constant current: 2.0 A/cm²

Inquiries

TANAKA PRECIOUS METAL TECHNOLOGIES Co., Ltd.
Tap here to inquire at: <https://tanaka-preciousmetals.com>
Scan QR code to send in your inquiries, or reach out to your appointed sales representative.

