

Yoshitsugu Sone

List of Publications by Year in descending order

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1235
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#	ARTICLE	IF	CITATIONS
1	Practical Application Study of Highly Active CO ₂ Methanation Catalysts Prepared Using the Polygonal Barrel-Sputtering Method: Immobilization of Catalyst Particles. <i>Catalysis Letters</i> , 2022, 152, 276-281.	2.6	5
2	Water Transport Analysis in a Polymer Electrolyte Electrolysis Cell Comprised of Gas/Liquid Separating Interdigitated Flow Fields. <i>Electrochemistry</i> , 2022, 90, 017002-017002.	1.4	3
3	Three-Dimensional Numerical Modeling of a Low-Temperature Sabatier Reactor for a Tandem System of CO ₂ Methanation and Polymer Electrolyte Membrane Water Electrolysis. <i>Electrochemistry</i> , 2022, 90, 067008-067008.	1.4	2
4	Water Electrolysis by the Direct Water Supply to the Solid Polymer Electrolyte through the Interdigitated Structure of the Electrode. <i>Electrochemistry</i> , 2021, 89, 138-140.	1.4	3
5	Performance of Li-CF _x Cells Installed in Earth Re-entry Capsule of Interplanetary Spacecraft "HAYABUSA"™. <i>Electrochemistry</i> , 2021, 89, 606-612.	1.4	2
6	Effects of sputtering conditions on the activities of high-performance CO ₂ methanation catalysts prepared by a co-sputtering technique using the polygonal barrel system. <i>Applied Catalysis A: General</i> , 2020, 597, 117557.	4.3	6
7	Structure-Sensitivity Factors Based on Highly Active CO ₂ Methanation Catalysts Prepared via the Polygonal Barrel-Sputtering Method. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10016-10025.	3.1	12
8	Exergy valorization of a water electrolyzer and CO ₂ hydrogenation tandem system for hydrogen and methane production. <i>Scientific Reports</i> , 2019, 9, 6470.	3.3	22
9	Carbon black / PTFE composite hydrophobic gas diffusion layers for a water-absorbing porous electrolyte electrolysis cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2018-2025.	7.1	7
10	CO ₂ Methanation on Co-sputtered Ru-Metal Oxides Catalysts Prepared Using the Polygonal Barrel-Sputtering Method. <i>Catalysis Letters</i> , 2018, 148, 1499-1503.	2.6	7
11	Preparation of hydrophobic electrocatalyst layer and inorganic porous electrolyte layer for water absorbing porous electrolyte electrolysis cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 11903-11912.	7.1	8
12	Fundamental study of water electrolysis for life support system in space. <i>Electrochimica Acta</i> , 2013, 100, 350-357.	5.2	30
13	Development of a CO ₂ Reduction Catalyst for the Sabatier Reaction. , 2012, , .		9
14	Proton Conductivity of Nafion 117 as Measured by a Four-Electrode AC Impedance Method. <i>Journal of the Electrochemical Society</i> , 1996, 143, 1254-1259.	2.9	845