

Yoshitsugu Sone

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3411897/publications.pdf>

Version: 2024-02-01

14
papers

961
citations

1307594

7
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

1235
citing authors

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