

Tsukasa Nagai

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

199
citations

1307594

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1058476

14
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all docs

23
docs citations

23
times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid electrolyte type ammonia gas sensor based on trivalent aluminum ion conducting solids. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 735-740.	7.8	32
2	Mathematical solutions of comprehensive variations of a transmission-line model of the theoretical impedance of porous electrodes. <i>Electrochimica Acta</i> , 2015, 160, 313-322.	5.2	32
3	Bifunctional electrocatalysts of lanthanum-based perovskite oxide with Sb-doped SnO ₂ for oxygen reduction and evolution reactions. <i>Journal of Power Sources</i> , 2020, 451, 227736.	7.8	26
4	Metalloporphyrin-modified perovskite-type oxide for the electroreduction of oxygen. <i>Journal of Power Sources</i> , 2015, 293, 760-766.	7.8	24
5	Solid Electrolyte Type NH ₃ Gas Sensor Applicable in a Humid Atmosphere. <i>Electrochemistry</i> , 2010, 78, 126-128.	1.4	10
6	Multi-rail transmission-line model as an equivalent circuit for electrochemical impedance of a porous electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114622.	3.8	10
7	Synthesis of nano-sized perovskite-type oxide with the use of polyvinyl pyrrolidone. <i>Journal of Asian Ceramic Societies</i> , 2014, 2, 329-332.	2.3	9
8	Indirect fuel cell based on a redox-flow battery with a new design to avoid crossover. <i>Journal of Power Sources</i> , 2013, 242, 106-113.	7.8	7
9	Non-Precious Metal Catalyst That Combines Perovskite-Type Oxide and Iron Phthalocyanine for Use as a Cathode Catalyst in an Alkaline Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2016, 163, F347-F352.	2.9	6
10	Ammonia Gas Sensor Based on Trivalent Al ³⁺ Cation Conducting Solid and Rare-Earth Ammonium Sulfate. <i>Sensor Letters</i> , 2011, 9, 552-556.	0.4	6
11	A New Solid Electrolyte Type Ammonia Gas Sensor with Praseodymium Ammonium Sulfate Based Auxiliary Sensing Electrode. <i>Sensor Letters</i> , 2008, 6, 454-457.	0.4	5
12	A New Solid Electrolyte Type Ammonia Gas Sensor Applying Praseodymium Ammonium Sulfate Based Auxiliary Sensing Electrode. <i>ECS Transactions</i> , 2008, 16, 257-264.	0.5	4
13	Thermal decomposition behavior of the rare-earth ammonium sulfate R ₂ (SO ₄) ₃ ·(NH ₄) ₂ SO ₄ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 1504-1509.	2.9	4
14	Highly Water Durable NH ₃ Gas Sensor Based on Al ³⁺ Ion Conducting Solid Electrolyte with NH ₄ ⁺ -Gallate. <i>Electrochemistry</i> , 2011, 79, 450-452.	1.4	4
15	Sulfur Dioxide Gas Sensor Based on Al ³⁺ and O ²⁻ Ion Conducting Solids with Gadolinium Oxysulfate Based Auxiliary Sensing Electrode. <i>Sensor Letters</i> , 2008, 6, 458-461.	0.4	4
16	Effects of anions on the electrochemical behaviors of cobalt octaethylporphyrin adsorbed on HOPG. <i>Electrochimica Acta</i> , 2014, 125, 307-313.	5.2	3
17	Oxygen Reduction Activity on a Nanosized Perovskite-Type Oxide Prepared by Polyvinyl Pyrrolidone Method. <i>Journal of Fuel Cell Science and Technology</i> , 2015, 12, .	0.8	3
18	Performance of Perovskite-Type Oxides for Oxygen Reduction Reaction in Direct Hydrazine Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2020, 167, 164506.	2.9	3

#	ARTICLE	IF	CITATIONS
19	Sulfur Dioxide Gas Sensor Based on Al ³⁺ and O ²⁻ Ion Conducting Solid Electrolytes. ECS Transactions, 2009, 16, 309-315.	0.5	2
20	Low Temperature Operable CO ₂ Gas Sensor Based on Trivalent Aluminum Ion Conducting Solid. Electrochemical and Solid-State Letters, 2011, 14, J81.	2.2	2
21	Development of Ammonia Gas Sensors Based on Trivalent Al ³⁺ Cation Conducting Solid Electrolyte. Bulletin of the Chemical Society of Japan, 2012, 85, 634-641.	3.2	2
22	Indirect fuel cell based on a redox-flow battery with a new structure to avoid cross-contamination toward the non-use of noble metals. International Journal of Hydrogen Energy, 2019, 44, 27046-27055.	7.1	1
23	Observation of Mercury Underpotential Deposition on an Ir Surface using the Electrochemical Quartz Crystal Microbalance Technique. Electroanalysis, 0, , .	2.9	0