Shinji Tamura

List of Publications by Year
in descending order

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41	456	840776 11	713466 21
papers	citations	h-index	g-index

41	41	41	373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Trivalent Al3+Ion Conduction in Aluminum Tungstate Solid. Chemistry of Materials, 1997, 9, 1649-1654.	6.7	115
2	Extraordinary High Trivalent Al3+ Ion Conduction in Solids. Chemistry of Materials, 2002, 14, 4481-4483.	6.7	50
3	Highly conducting divalent Mg2+ cation solid electrolytes with well-ordered three-dimensional network structure. Journal of Solid State Chemistry, 2016, 235, 7-11.	2.9	38
4	Novel environmentally friendly inorganic yellow pigments based on gehlenite-type structure. Ceramics International, 2016, 42, 15104-15106.	4.8	24
5	Novel environment-friendly yellow pigments based on praseodymium(III) tungstate. Ceramics International, 2017, 43, 7366-7368.	4.8	23
6	Development of Multivalent Ion Conducting Solid Electrolytes. Bulletin of the Chemical Society of Japan, 2011, 84, 353-362.	3.2	22
7	Low-temperature-operative Carbon Monoxide Gas Sensor with Novel CO Oxidizing Catalyst. Chemistry Letters, 2013, 42, 441-443.	1.3	17
8	Ceramics Sinterability Enhancement at Ambient Pressure by Boron Oxide Addition. Advanced Materials, 1999, 11, 64-66.	21.0	13
9	First Discovery of Tetravalent Ti⁴⁺ Ion Conduction in a Solid. Chemistry of Materials, 2009, 21, 579-581.	6.7	13
10	New Calcium Ion Conducting Solid Electrolyte with NASICON-type Structure. Chemistry Letters, 2017, 46, 1486-1489.	1.3	12
11	Synthesis and characterization of divalent ion conductors with NASICON-type structures. Journal of Asian Ceramic Societies, 2019, 7, 221-227.	2.3	12
12	A New Catalytic Combustion-type Carbon Monoxide Gas Sensor Employing Precious Metal-free CO Oxidizing Catalyst. ISIJ International, 2015, 55, 1699-1701.	1.4	11
13	Solid Electrolyte Type NH3 Gas Sensor Applicable in a Humid Atmosphere. Electrochemistry, 2010, 78, 126-128.	1.4	10
14	Enhancement of Hf4+ Ion Conductivity in a NASICON-Type Solid. Bulletin of the Chemical Society of Japan, 2010, 83, 415-418.	3.2	9
15	Ion Conducting Behavior in (Lu1â^'xMx)2(WO4)3 Solid Solutions (M = Sm, Ho, Er) with the Sc2(WO4)3 Type Structure. European Journal of Inorganic Chemistry, 2002, 2002, 105-109.	2.0	8
16	Catalytic combustion-type CO sensor applying Pt loaded CeO₂â€“ZrO₂â€“ZnO solid solution. Journal of the Ceramic Society of Japan, 2014, 122, 601-603.	1.1	8
17	Sensitivity enhancement of catalytic combustion-type CO gas sensor using an artificial diamond with Pt-loaded CeO₂â€“ZrO₂â€“ZnO based catalyst. Journal of the Ceramic Society of Japan, 2018, 126, 750-754.	1.1	7
18	A Catalytic Combustion-type Carbon Monoxide Gas Sensor Incorporating an Apatite-type Oxide. ISIJ International, 2016, 56, 1634-1637.	1.4	6

#	Article	IF	Citations
19	Divalent Ni2+ cation conduction in NASICON-type solid. Materials Letters, 2019, 234, 261-263.	2.6	6
20	Enhanced ionic conductivity of aluminum tungstate by crystallographic orientation in a strong magnetic field. Journal of the American Ceramic Society, 2021, 104, 6364.	3.8	6
21	Crystal phase control and ionic conductivity of magnesium ion-doped lanthanum oxyfluoride. Journal of the Ceramic Society of Japan, 2020, 128, 863-865.	1.1	6
22	The development of novel trivalent ion conducting solids and their application for gas sensors. Journal of Electroceramics, 2010, 24, 331-344.	2.0	4
23	Highly Water Durable NH3 Gas Sensor Based on Al3+ Ion Conducting Solid Electrolyte with NH4+-Gallate. Electrochemistry, 2011, 79, 450-452.	1.4	4
24	Enhancement of bromide ion conductivity in lanthanum oxybromide based solids by doping divalent zinc ion with high electronegativity. Journal of Asian Ceramic Societies, 2020, 8, 925-929.	2.3	4
25	Trivalent gallium ion conduction in NASICON-type solid. Journal of Asian Ceramic Societies, 2016, 4, 390-393.	2.3	3
26	Novel Br^{â^'} ion conducting solid electrolyte based on LaOBr. Journal of the Ceramic Society of Japan, 2018, 126, 761-765.	1.1	3
27	Improvement of bromide ion conduction in a lanthanum oxybromide-based solid by adjusting the electronegativity of the cation dopant. Materials Letters, 2021, 286, 129211.	2.6	3
28	Novel Li⁺ Ion-conductive Solid of LiNO₃ with (Gd_{0.9}La_{0.1})₂O₃. Electrochemistry, 2003, 71, 1039-1041.	1.4	3
29	An extraordinarily high Ba2+ conducting solid. Journal of Materials Chemistry, 2007, 17, 4230.	6.7	2
30	Electrochemical Single-Crystal Growth of Nonstoichiometric Terbium Oxide. Crystal Growth and Design, 2008, 8, 1035-1038.	3.0	2
31	Highly Tetravalent Hafnium Ion Conducting Solids with a NASICON-Type Structure. Electrochemistry, 2012, 80, 743-745.	1.4	2
32	Development of Ammonia Gas Sensors Based on Trivalent Al3+ Cation Conducting Solid Electrolyte. Bulletin of the Chemical Society of Japan, 2012, 85, 634-641.	3.2	2
33	The First Combined Experimental and Theoretical Evaluation of Tetravalent Cation Conduction in a Solid. European Journal of Inorganic Chemistry, 2013, 2013, 4300-4304.	2.0	2
34	Sulfur Dioxide Gas Sensor Based on Tetravalent Zr4+-conducting Solid Electrolyte. Chemistry Letters, 2013, 42, 28-30.	1.3	2
35	Development of novel solid electrolytes and their application to gas sensors. Journal of the Ceramic Society of Japan, 2021, 129, 638-645.	1.1	2
36	Novel Environment-Friendly Blue Pigments Based on Ba(TiO)Cu₄(PO₄)₄. Journal of the Japan Society of Colour Material, 2020, 93, 214-218.	0.1	1

#	Article	IF	Citations
37	Novel Environmentally Friendly Blue Pigments Based on Na4Cu(PO4)2. Chemistry Letters, 2022, 51, 360-363.	1.3	1
38	Divalent Sr2+ Cation Conducting Solid Electrolyte with NASICON-type Structure. Electrochemistry, 2014, 82, 830-832.	1.4	0
39	Low-temperature-operative Hydrogen Gas Sensor Employing 10 wt % Pt/Ce0.68Zr0.17Sn0.15O2.0 Catalyst. Chemistry Letters, 2015, 44, 437-439.	1.3	0
40	Low-temperature Operable Catalytic Combustion-type CO Gas Sensors. Bunseki Kagaku, 2021, 70, 327-334.	0.2	0
41	Novel Environmentally-Friendly Inorganic Pigments Based on Oxide. Journal of the Japan Society of Colour Material, 2019, 92, 64-68.	0.1	0