Naoyoshi Nunotani

List of Publications by Year
in descending order

51 papers	299 citations	1039406 9 h-index	1125271 13 g-index
52 all docs	52 docs citations	52 times ranked	251 citing authors

#	Article	IF	Citations
1	Selective glycerol oxidation to glyceric acid under mild conditions using Pt/CeO₂â€"ZrO₂â€"Fe₂O₃/SBA-16 catalysts. Journal of Asian Ceramic Societies, 2022, 10, 178-187.	1.0	5
2	Phosphors of Rb₃La_{1â^'}<i>_x</i>Tb<i>_x& with K₃NdSi₂O₇-type structure. Journal of the Ceramic Society of Japan, 2022, 130, 44-48.	0.5	0
3	Production of Hydroxypyruvic Acid by Glycerol Oxidation over Pt/CeO2-ZrO2-Bi2O3-PbO/SBA-16 Catalysts. Catalysts, 2022, 12, 69.	1.6	0
4	Improvement of bromide ion conduction in a lanthanum oxybromide-based solid by adjusting the electronegativity of the cation dopant. Materials Letters, 2021, 286, 129211.	1.3	3
5	Ionic conduction mechanism in Ca-doped lanthanum oxychloride. Dalton Transactions, 2021, 50, 151-156.	1.6	7
6	Evidence for enormous iodide anion migration in lanthanum oxyiodideâ€"based solid. Science Advances, 2021, 7, eabh0812.	4.7	8
7	Effect of oxide-ion conductivity of apatite-type Ln₁₀Si₆O₂₇ on catalytic activity for toluene combustion. Journal of Asian Ceramic Societies, 2021, 9, 1466-1472.	1.0	3
8	Novel catalysts based on lanthanum oxyfluoride for toluene combustion. Materials Letters, 2020, 258, 126802.	1.3	6
9	Structural environment of chloride ionâ€conducting solids based on lanthanum oxychloride. Journal of the American Ceramic Society, 2020, 103, 297-303.	1.9	15
10	Complete phenol removal in liquid-phase under moderate condition over Pt/CeO2â€"ZrO2â€"SnO2/ZrO2/SBA-16 catalysts. Functional Materials Letters, 2020, 13, 2050030.	0.7	1
11	Glyceraldehyde production from glycerol over Pt/CeO2-ZrO2-Fe2O3/SBA-16 catalysts around room temperature in open air system. Materials Letters, 2020, 278, 128392.	1.3	15
12	Noble-metal-free catalysts based on apatite-type lanthanum silicate for complete toluene combustion. Functional Materials Letters, 2020, 13, 2050035.	0.7	4
13	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.	1.0	4
14	Particle size effect of ZrO₂ supports on catalytic liquid-phase oxidation of phenol over Pt/CeO₂-ZrO₂-Bi₂O₃/ZrO₂ catalysts. Journal of Asian Ceramic Societies, 2020, 8, 745-752.	1.0	7
15	Effective <i>p</i>-cresol removal through catalytic liquid-phase oxidation under moderate conditions using Pt/CeO₂-ZrO₂-SnO₂/SBA-16 as a catalyst. Journal of Asian Ceramic Societies, 2020, 8, 116-122.	1.0	7
16	Selective oxidation of glycerol to dihydroxyacetone using CeO2-ZrO2-Bi2O3-SnO2-supported platinum catalysts. Journal of Asian Ceramic Societies, 2020, 8, 470-475.	1.0	2
17	Direct N2O decomposition over Yb2O3-CuO catalysts with C-type cubic structure. Functional Materials Letters, 2020, 13, 2050040.	0.7	1
18	Direct Decomposition of N2O over C-Type Cubic Yb2O3-Co3O4 Catalysts. Bulletin of the Chemical Society of Japan, 2019, 92, 1148-1153.	2.0	6

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19	Catalytic toluene combustion over Pt loaded on lanthanum silicate with apatite-type structure. Functional Materials Letters, 2019, 12, 1950074.	0.7	7
20	Photocatalytic hydrogen evolution from water over hafnium oxyphosphate. Journal of the Ceramic Society of Japan, 2019, 127, 700-702.	0.5	2
21	Effect of oxygen vacancies on direct N₂O decomposition over ZrO₂-Y₂O₃ catalysts. Journal of Asian Ceramic Societies, 2019, 7, 518-523.	1.0	12
22	Complete Oxidation of Formaldehyde over a Pt/CeO₂-ZrO₂-Bi₂O₃/SBA-16 Catalyst at Room Temperature. Chemistry Letters, 2018, 47, 715-718.	0.7	3
23	Exact identification of migrating ion species in scandium tungstate solid electrolyte. Journal of the American Ceramic Society, 2018, 101, 1025-1028.	1.9	4
24	Novel Photocatalyst Based on Metastable ZrSnO₄ Solid for Hydrogen and Oxygen Evolution. Chemistry Letters, 2018, 47, 723-725.	0.7	4
25	Relationship between the Conductivities of CeO2-ZrO2-MO<i>x</i> (M = Bi, Ca, Sn, Ni, Fe) Solid Solutions and Catalytic Activities during Methane Oxidation. Bulletin of the Chemical Society of Japan, 2018, 91, 158-164.	2.0	13
26	Catalytic Liquid-Phase Oxidation of Phenolic Compounds Using Ceria-Zirconia Based Catalysts. Frontiers in Chemistry, 2018, 6, 553.	1.8	2
27	Efficient production of dihydroxyacetone from glycerol over a Pt/CeO₂-ZrO₂-Bi₂O₃/SBA-16 catalyst. Journal of Asian Ceramic Societies, 2018, 6, 368-373.	1.0	12
28	Novel Br^{âˆ’} ion conducting solid electrolyte based on LaOBr. Journal of the Ceramic Society of Japan, 2018, 126, 761-765.	0.5	3
29	Direct Decomposition of Nitrous Oxide Using Yb₂O₃-Pr₆O₁₁ with C-type Cubic Structure. Chemistry Letters, 2018, 47, 996-999.	0.7	6
30	Catalytic Liquid-phase Oxidation of Bisphenol-A under Moderate Condition Using CeO₂â€“ZrO₂â€“Bi₂O₃ Supported on SBA-16. Chemistry Letters, 2017, 46, 257-259.	0.7	2
31	High catalytic efficiency in liquidâ€phase oxidation of 1,4â€dioxane using a Pt/CeO₂â€ZrO₂â€SnO₂/SBAâ€16 catalyst. International Journal of Applied Ceramic Technology, 2017, 14, 9-15.	1.1	8
32	Novel Catalysts for Methane Combustion Based on Cobalt-Doped Lanthanum Silicates Having an Apatite-type Structure. ACS Applied Materials & Interfaces, 2017, 9, 40344-40350.	4.0	14
33	Crystal structure and photoluminescent property of Eu³⁺-doped K₃GdSi₂O₇. Journal of Asian Ceramic Societies, 2017, 5, 377-380.	1.0	8
34	Liquid-phase oxidation of phenol in facile condition using Pt/CeO2â€“ZrO2â€“SnO2 catalyst supported on mesoporous silica SBA-16. Journal of Environmental Chemical Engineering, 2017, 5, 3999-4003.	3.3	13
35	Introduction of NiO in Pt/CeO2-ZrO2/Î³-Al2O3 catalysts for removing toluene in indoor air. Materials Letters, 2017, 208, 43-45.	1.3	8
36	Catalytic methane combustion over novel catalyst based on oxide-ion-conducting lanthanum silicate. Journal of the Ceramic Society of Japan, 2017, 125, 773-775.	0.5	4

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37	Crystal Structure and Li-Ion Conductivity of LiGa₁<i>_{â^'}_x</i>Al<i>_x</i>GeO₄Phenacite Compounds with 0 â‰<i>x</i>â‰ 1. Journal of the Electrochemical Society, 2016, 163, A2371-A2376.	1.3	5
38	Direct catalytic decomposition of nitrous oxide gas over rhodium supported on lanthanum silicate. Catalysis Communications, 2016, 87, 53-56.	1.6	9
39	High methane combustion activity of PdO/CeO₂â€“ZrO₂â€“NiO/Î³-Al₂O₃ catalysts. Journal of Asian Ceramic Societies, 2016, 4, 259-262.	1.0	16
40	Red emitting phosphors based on titanite with high thermal stability. Journal of Asian Ceramic Societies, 2016, 4, 133-137.	1.0	2
41	Relevance between the Bulk Density and Li+-Ion Conductivity in a Porous Electrolyte: The Case of Li[Li1/3Ti5/3]O4. ACS Applied Materials & Interfaces, 2015, 7, 20314-20321.	4.0	3
42	Multivalence Cation Conductors. , 2014, , 1334-1339.		0
43	The First Combined Experimental and Theoretical Evaluation of Tetravalent Cation Conduction in a Solid. European Journal of Inorganic Chemistry, 2013, 2013, 4300-4304.	1.0	2
44	Novel Lead-free CeO2-ZrO2-Bi2O3 Yellow Pigments for Arita Ware. Journal of the Japan Society of Colour Material, 2012, 85, 9-13.	0.0	2
45	Highly Tetravalent Hafnium Ion Conducting Solids with a NASICON-Type Structure. Electrochemistry, 2012, 80, 743-745.	0.6	2
46	Enhancement of Hf4+ Ion Conductivity in a NASICON-Type Solid. Bulletin of the Chemical Society of Japan, 2010, 83, 415-418.	2.0	9
47	Highly Zr[sup 4+] Ion-Conducting Solid Electrolytes. Electrochemical and Solid-State Letters, 2009, 12, F5.	2.2	5
48	First Discovery of Tetravalent Ti⁴⁺ Ion Conduction in a Solid. Chemistry of Materials, 2009, 21, 579-581.	3.2	13
49	A Discovery of Tetravalent Ge4+ Ion Conduction in Solids. Chemistry Letters, 2009, 38, 658-659.	0.7	10
50	Novel Pt/La 1â^' x Bi x OF/SBAâ€16 catalysts for liquidâ€phase phenol oxidation. International Journal of Applied Ceramic Technology, 0, , .	1.1	2
51	Novel cobaltâ€doped ZrSnO ₄ catalysts for direct nitrous oxide decomposition. International Journal of Applied Ceramic Technology, 0, , .	1.1	0