

Isao

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

248
citations

1040056

9
h-index

940533

16
g-index

24
all docs

24
docs citations

24
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen vacancy formation and the ion migration mechanism in layered perovskite (Sr,La) ₃ Fe ₂ O ₇ . Physical Chemistry Chemical Physics, 2014, 16, 10875-10882.	2.8	43
2	La _{0.65} Ca _{0.35} FeO ₃ as a novel Sr- and Co-free cathode material for solid oxide fuel cells. Journal of Power Sources, 2020, 448, 227426.	7.8	24
3	Oxygen permeability of nanocrystalline Ce _{0.8} Gd _{0.2} O _{1.9} CoFe ₂ O ₄ mixed-conductive films. Journal of Membrane Science, 2006, 286, 180-184.	8.2	23
4	Crystalline phases and oxygen permeation properties of mixed conductive (La, Ca)FeO ₃ . Journal of the European Ceramic Society, 2019, 39, 1082-1092.	5.7	23
5	Weak ferromagnetic ordering in brownmillerite Ca ₂ Fe ₂ O ₅ and its effect on electric field gradients. Physical Chemistry Chemical Physics, 2017, 19, 31194-31201.	2.8	20
6	Microwave dielectric properties of tungstenbronze type like (Ba _{1-x} Sr _x) ₆ W ₃ R ₈ +2xTi ₁₈ O ₅₄ (R=Sm, Nd) solid solutions. Journal of the European Ceramic Society, 2007, 27, 3059-3062.	5.7	18
7	Distribution change of oxygen vacancies in layered perovskite type (Sr, La) ₁ Fe ₃ O ₇ (n=3). Journal of Solid State Chemistry, 2013, 207, 184-189.	2.9	14
8	Magnetic field dependence of piezoelectric resonance frequency in CoFe ₂ O ₄ BaTiO ₃ composites. Journal of Magnetism and Magnetic Materials, 2012, 324, 2368-2372.	2.3	12
9	Low-temperature sintering and microwave dielectric properties of Al ₂ TeO ₆ TeO ₂ ceramics. Journal of Alloys and Compounds, 2015, 640, 383-387.	5.5	10
10	Precursor phenomenon on ferroelectric transition in multiferroic YMn ₂ O ₅ . Journal of the European Ceramic Society, 2010, 30, 255-258.	5.7	9
11	Dependence of power density on anode functional layer thickness in anode-supported solid oxide fuel cells. Ionics, 2017, 23, 427-433.	2.4	8
12	Oxide Ion Conduction and Surface Exchange Reactions of Mixed Conductive La _{0.65} Ca _{0.35} FeO ₃ Based on Oxygen Permeation Study. Chemistry of Materials, 2019, 31, 10135-10142.	6.7	8
13	Crystal structure and microwave dielectric properties of (Ca _{1-x} Sr _x) ₂ SiO ₃ (x= 1 and 0.8) ring silicates for millimeter-wave applications. Materials Research Bulletin, 2017, 96, 115-120.	5.2	6
14	Chemical stability and oxygen transport properties of La _{1-x} CaxFe _{1-y} ByO ₃ (with B = Co, Ni, Mg) perovskite membranes. Journal of Materials Research, 2021, 36, 1241-1249.	2.6	6
15	Annealing effect on temperature coefficient of resistivity in La _{1-x} SrxMnO ₃ ceramics. Journal of the European Ceramic Society, 2013, 33, 985-990.	5.7	5
16	Crystal structures and proton transport properties of Sr ₂ (Ti _{1-x} M _x)O ₄ (M = Fe, Al). Solid State Sciences, 2020, 108, 106407.	3.2	4
17	Microwave dielectric properties of NaxNd _{(2-x)/3} TiO ₃ solid solutions. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 2582-2585.	3.0	3
18	Oxygen permeation and oxide ion conductivity of Ta-substituted (La, Sr)CoO ₃ . Solid State Ionics, 2014, 262, 664-667.	2.7	3

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19	Crystal structure and oxygen permeation properties of $\text{Sm}_{1-x}\text{Ca}_x\text{FeO}_3$ ($x = 0.1, 0.2, 0.3, 0.4, 0.5$). <i>Journal of Solid State Chemistry</i> , 2018, 317, 83-88.	2.7	2
20	Oxygen permeation properties of mixed conductive $\text{Sm}_{0.5}\text{Ca}_{0.5}\text{FeO}_3$. <i>Solid State Ionics</i> , 2018, 317, 83-88.	2.7	2
21	Preparation and hydrogen permeation properties of $\text{Pd}_{0.2}\text{Al}_{0.2}\text{O}_{0.3}$ matrix composites. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 573-578.	1.1	2
22	OH^- ion transport in hydrated layered perovskite $\text{LaSr}_3\text{Fe}_3\text{O}_8(\text{OH})_2 \cdot x\text{H}_2\text{O}$ in the middle temperature range. <i>Materials Research Bulletin</i> , 2021, 136, 111132.	5.2	2
23	Detailed characterization of oxide-ion and proton transport numbers in Sr_2Ti layered perovskites using an improved electromotive force method. <i>Journal of Materials Research</i> , 2022, 37, 470-478.	2.6	1
24	Influences of Hydration/Dehydration on Local Structure in Layered Perovskite $\text{LaSr}_3\text{Fe}_3\text{O}_{10}$. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0