

Ting Chen

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

365
citations

759233

12
h-index

794594

19
g-index

26
all docs

26
docs citations

26
times ranked

510
citing authors

#	ARTICLE	IF	CITATIONS
1	High performance of intermediate temperature solid oxide electrolysis cells using Nd ₂ NiO ₄ +Î impregnated scandia stabilized zirconia oxygen electrode. Journal of Power Sources, 2015, 276, 1-6.	7.8	51
2	High performance solid oxide electrolysis cell with impregnated electrodes. Electrochemistry Communications, 2015, 54, 23-27.	4.7	45
3	Designing Optimal Perovskite Structure for High Ionic Conduction. Advanced Materials, 2020, 32, e1905178.	21.0	30
4	Sr ₂ Fe _{1+x} Mo _{1-x} O ₆ +Î as anode material of cathode-supported solid oxide fuel cells. International Journal of Hydrogen Energy, 2016, 41, 1104-1111.	7.1	29
5	Performance of the nano-structured Cu-Ni (alloy) -CeO ₂ anode for solid oxide fuel cells. Journal of Power Sources, 2015, 274, 730-735.	7.8	25
6	Evaluation of Ni and Ni-Ce _{0.8} Sm _{0.2} O ₂ +Î (SDC) impregnated 430L anodes for metal-supported solid oxide fuel cells. Journal of Power Sources, 2014, 267, 117-122.	7.8	22
7	Long-term stability of infiltrated La _{0.8} Sr _{0.2} CoO ₃ +Î, La _{0.58} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ +Î and SmBa _{0.5} Sr _{0.5} Co _{2.0} O ₅₊ cathodes for low temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2015, 40, 16532-16539.	7.1	20
8	Infiltrated SmBa _{0.5} Sr _{0.5} Co ₂ O ₅ +Î cathodes for metal-supported solid oxide fuel cells. Electrochimica Acta, 2014, 149, 231-236.	5.2	18
9	Long-term stability of metal-supported solid oxide fuel cells employing infiltrated electrodes. Journal of Power Sources, 2015, 295, 67-73.	7.8	18
10	A cathode-supported solid oxide fuel cell prepared by the phase-inversion tape casting and impregnating method. International Journal of Hydrogen Energy, 2022, 47, 18810-18819.	7.1	18
11	Impregnated Nd ₂ NiO ₄ + scandia stabilized zirconia composite cathode for intermediate-temperature solid oxide fuel cells. Journal of Power Sources, 2014, 269, 812-817.	7.8	16
12	Impact of microstructure and crystallinity on surface exchange kinetics of strontium titanium iron oxide perovskite by <i>in situ</i> optical transmission relaxation approach. Journal of Materials Chemistry A, 2017, 5, 23006-23019.	10.3	15
13	Emergence of Rapid Oxygen Surface Exchange Kinetics during <i>In Situ</i> Crystallization of Mixed Conducting Thin Film Oxides. ACS Applied Materials & Interfaces, 2019, 11, 9102-9116.	8.0	12
14	Simultaneous Electrical, Electrochemical, and Optical Relaxation Measurements of Oxygen Surface Exchange Coefficients: Sr(Ti,Fe)O ₃ +Î Film Crystallization Case Study. ACS Applied Materials & Interfaces, 2020, 12, 48614-48630.	8.0	12
15	Toward Durable Protonic Ceramic Cells: Hydration-Induced Chemical Expansion Correlates with Symmetry in the Y-Doped BaZrO ₃ +Î-BaCeO ₃ Solid Solution. Journal of Physical Chemistry C, 2021, 125, 26216-26228.	3.1	12
16	Enhanced Performance and Stability of Metal-Supported Solid Oxide Fuel Cells with (Bi ₂ O ₃) _{0.7} (Er ₂ O ₃) _{0.3} +Î-Ag Composite Cathode. Journal of the Electrochemical Society, 2015, 162, F9-F13.	2.9	9
17	Relating Microstructure to Surface Exchange Kinetics Using <i>In Situ</i> Optical Absorption Relaxation. ECS Transactions, 2017, 75, 23-31.	0.5	8
18	Fabrication of composite cathode by a new process for anode-supported tubular solid oxide fuel cells. Electrochimica Acta, 2014, 149, 212-217.	5.2	3

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19	Investigation of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-x}\text{Ni}_x\text{O}_{3-\hat{\nu}}$ ($x=0, 0.2, 0.4, 0.6, 0.8$) catalysts on solid oxide fuel cells anode for biogas dry reforming. International Journal of Hydrogen Energy, 2022, , .	7.1	2
20	(Invited) Measuring and Tailoring Chemo-Mechanical Coupling in Mixed Ionic and Electronic Conducting Oxides. ECS Meeting Abstracts, 2018, , .	0.0	0
21	The Impact of in Situ Crystallization on Oxygen Surface Exchange Kinetics of Mixed Conducting Thin Film Oxygen Electrodes. ECS Meeting Abstracts, 2018, , .	0.0	0
22	Ionic and Electronic Transport in Nanocrystalline $\text{La}_{0.9}\text{Sr}_{0.1}\text{Ga}_{0.9}\text{Mg}_{0.1}\text{O}_{3-\hat{\nu}}$. ECS Meeting Abstracts, 2018, , .	0.0	0
23	Tailoring Mixed Ionic/Electronic Conductivity with Grain Boundaries: $(\text{La,Sr})(\text{Ga,Mg})\text{O}_{3-X}$ Case Study. ECS Meeting Abstracts, 2019, , .	0.0	0
24	A Comparison of Strontium Titanium Iron Oxide Perovskite Oxygen Surface Exchange Coefficients Obtained from Wafer Curvature vs. Optical Relaxation. ECS Meeting Abstracts, 2019, , .	0.0	0
25	Tailoring Chemical Expansion in Zirconate-Cerate Proton Conductors. ECS Meeting Abstracts, 2018, MA2018-01, 1934-1934.	0.0	0
26	Analysis of Electrochemomechanical Coupling in Non-Stoichiometric Oxide Thin Films<sub />. ECS Meeting Abstracts, 2018, MA2018-01, 1933-1933.	0.0	0