

Xifeng Ding

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9112244/publications.pdf>

Version: 2024-02-01

37
papers

1,130
citations

361413

20
h-index

395702

33
g-index

37
all docs

37
docs citations

37
times ranked

1188
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the Catalytic Activity and Coking Tolerance of the Perovskite Anode for Solid Oxide Fuel Cells through <i>In Situ</i> Exsolution of Co-Fe Nanoparticles. <i>ACS Catalysis</i> , 2022, 12, 828-836.	11.2	15
2	Efficient and stable symmetrical solid oxide fuel cell via A-site non-stoichiometry. <i>Electrochimica Acta</i> , 2022, 425, 140697.	5.2	5
3	Enabled fast cathode kinetics for intermediate-temperature solid oxide fuel cell with improved CO ₂ poisoning robustness: La ₂ NiO ₄ surfaced-modified SrCo _{0.8} Nb _{0.1} Ta _{0.1} O _{3-δ} composite. <i>Journal of Power Sources</i> , 2021, 506, 230057.	7.8	19
4	Modulation of electronic structure and oxygen vacancies of perovskites SrCoO _{3-δ} by sulfur doping enables highly active and stable oxygen evolution reaction. <i>Electrochimica Acta</i> , 2021, 390, 138872.	5.2	16
5	High-performance and CO ₂ -resistant cathode toward electrocatalytic oxygen reduction for solid oxide fuel cells: Doped ceria and SrCo _{0.7} Nb _{0.1} Ni _{0.2} O _{3-δ} composite. <i>Electrochimica Acta</i> , 2021, 398, 139323.	5.2	9
6	A highly active and stable cathode for oxygen reduction in intermediate-temperature solid oxide fuel cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1168-1179.	4.9	14
7	Enhancing oxygen reduction activity and CO ₂ -tolerance of A-site-deficient BaCo _{0.7} Fe _{0.3} O _{3-δ} cathode by surface-decoration with Pr ₆ O ₁₁ particles. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31070-31079.	7.1	8
8	Trade-off between oxygen reduction reaction activity and CO ₂ stability in a cation doped Ba _{0.9} Co _{0.7} Fe _{0.3} O _{3-δ} perovskite cathode for solid oxide fuel cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5229-5237.	4.9	19
9	Synergistically enhancing CO ₂ -tolerance and oxygen reduction reaction activity of cobalt-free dual-phase cathode for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 34058-34068.	7.1	11
10	Enhancing oxygen reduction activity of perovskite cathode decorated with core@shell nano catalysts. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22122-22128.	7.1	10
11	In-situ strategy to suppress chromium poisoning on La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} cathodes of solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30401-30408.	7.1	16
12	Photovoltaic, photo-impedance, and photo-capacitance effects of the flexible (111) BiFeO ₃ film. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	26
13	Cation deficiency enabled fast oxygen reduction reaction for a novel SOFC cathode with promoted CO ₂ tolerance. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 546-555.	20.2	97
14	Infiltrated Pr ₂ NiO ₄ as promising bi-electrode for symmetrical solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 8953-8961.	7.1	38
15	Coordinating of thermal and dielectric properties for cyanate ester composites filled with silica-coated sulfonated graphene oxide hybrids. <i>Polymer Composites</i> , 2018, 39, E1565.	4.6	8
16	Cation deficiency design: A simple and efficient strategy for promoting oxygen evolution reaction activity of perovskite electrocatalyst. <i>Electrochimica Acta</i> , 2018, 259, 1004-1010.	5.2	44
17	Promotion on electrochemical performance of a cation deficient SrCo _{0.7} Nb _{0.1} Fe _{0.2} O _{3-δ} perovskite cathode for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2017, 354, 26-33.	7.8	42
18	Improved electrochemical activity and stability of LaNi _{0.6} Fe _{0.4} O _{3-δ} cathodes achieved by an in - situ reaction. <i>Electrochimica Acta</i> , 2017, 236, 378-383.	5.2	8

#	ARTICLE	IF	CITATIONS
19	La _{0.6} Ca _{0.4} Fe _{0.8} Ni _{0.2} O ₃ ~"~" Sm _{0.2} Ce _{0.8} O _{1.9} composites as symmetrical bi-electrodes for solid oxide fuel cells through infiltration and in-situ exsolution. International Journal of Hydrogen Energy, 2017, 42, 24968-24977.	7.1	25
20	Enhanced ionic conductivity of apatite-type lanthanum silicate electrolyte for IT-SOFCs through copper doping. Journal of Power Sources, 2016, 306, 630-635.	7.8	29
21	Enhanced oxygen reduction activity on surface-decorated perovskite La _{0.6} Ni _{0.4} FeO ₃ cathode for solid oxide fuel cells. Electrochimica Acta, 2015, 163, 204-212.	5.2	34
22	NdBaCu ₂ O ₅ +~"~" and NdBa _{0.5} Sr _{0.5} Cu ₂ O ₅ +~"~" layered perovskite oxides as cathode materials for IT-SOFCs. International Journal of Hydrogen Energy, 2015, 40, 16477-16483.	7.1	39
23	Enhanced ionic conductivity of Sm _{0.2} Ce _{0.8} O ₂ ~"~" electrolyte for solid oxide fuel cells through doping transition metals. Journal of Materials Science: Materials in Electronics, 2015, 26, 3664-3669.	2.2	17
24	Enhanced SOFC cathode performance by infiltrating Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ ~"~" nanoparticles for intermediate temperature solid oxide fuel cells. Fuel Processing Technology, 2015, 135, 14-19.	7.2	19
25	Cobalt-free Sr _{0.7} Y _{0.3} CuO ₂ +~"~" as a cathode for intermediate-temperature solid oxide fuel cell. International Journal of Hydrogen Energy, 2014, 39, 1030-1038.	7.1	11
26	Electrode redox properties of Ba _{1-x} La _x FeO ₃ ~"~" as cobalt free cathode materials for intermediate-temperature SOFCs. International Journal of Hydrogen Energy, 2014, 39, 12092-12100.	7.1	57
27	High-performance, ceria-based solid oxide fuel cells fabricated at low temperatures. Journal of Power Sources, 2013, 241, 454-459.	7.8	41
28	SmBa _{0.5} Sr _{0.5} Cu ₂ O ₅ +~"~" and SmBa _{0.5} Sr _{0.5} CuFeO ₅ +~"~" layered perovskite oxides as cathodes for IT-SOFCs. International Journal of Hydrogen Energy, 2012, 37, 2546-2551.	7.1	39
29	Enhanced visible-light-response photocatalytic activity of bismuth ferrite nanoparticles. Journal of Alloys and Compounds, 2011, 509, 6585-6588.	5.5	133
30	Novel layered perovskite SmBaCu ₂ O ₅ +~"~" as a potential cathode for intermediate temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2011, 36, 15715-15721.	7.1	29
31	Characterization and electrochemical performance of (Ba _{0.6} Sr _{0.4}) _{1-x} La _x Co _{0.6} Fe _{0.4} O ₃ ~"~" (x=0, 0.1) cathode for intermediate temperature solid oxide fuel cells. Materials Research Bulletin, 2010, 45, 1271-1277.	5.2	21
32	Electrochemical performance of La _{0.7} Sr _{0.3} CuO ₃ ~"~"~"Sm _{0.2} Ce _{0.8} O ₂ ~"~" functional graded composite cathode for intermediate temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2010, 35, 1742-1748.	7.1	38
33	Evaluation of Sr substituted Nd ₂ CuO ₄ as a potential cathode material for intermediate-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2009, 34, 6869-6875.	7.1	36
34	Electrical conductivity, thermal expansion and electrochemical properties of Fe-doped La _{0.7} Sr _{0.3} CuO ₃ ~"~" cathodes for solid oxide fuel cells. Journal of Alloys and Compounds, 2009, 475, 418-421.	5.5	20
35	Thermal expansion and electrochemical performance of La _{0.7} Sr _{0.3} CuO ₃ ~"~"~"Sm _{0.2} Ce _{0.8} O ₂ ~"~" composite cathode for IT-SOFCs. Journal of Alloys and Compounds, 2009, 481, 845-850.	5.5	27
36	Synthesis and characterization of doped LaCrO ₃ perovskite prepared by EDTA~"~"citrate complexing method. Journal of Alloys and Compounds, 2008, 458, 346-350.	5.5	54

#	ARTICLE	IF	CITATIONS
37	Effects of cation substitution on thermal expansion and electrical properties of lanthanum chromites. <i>Journal of Alloys and Compounds</i> , 2006, 425, 318-322.	5.5	56