

Qingping Fang

List of Publications by Year in descending order

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1,041
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471509

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all docs

46
docs citations

46
times ranked

842
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Frequency Features in the Distribution of Relaxation Times Related to Frequency Dispersion Effects in SOFCs. Journal of the Electrochemical Society, 2022, 169, 014501.	2.9	6
2	Origin of Steam Contaminants and Degradation of Solid-Oxide Electrolysis Stacks. Processes, 2022, 10, 598.	2.8	2
3	System-Supporting Operation of Solid-Oxide Electrolysis Stacks. Energies, 2021, 14, 544.	3.1	4
4	Long-Term Experience with a 5/15kW-Class Reversible Solid Oxide Cell System. Journal of the Electrochemical Society, 2021, 168, 014508.	2.9	22
5	An Investigation of the Redox Stability of an Anode-Supported SOFC Stack Using Acoustic Emission Monitoring. ECS Transactions, 2021, 103, 1395-1402.	0.5	0
6	Degradation Analysis of Long-Term Solid Oxide Fuel Cell Stacks with Respect to Chromium Poisoning in La _{0.58} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} and La _{0.6} Sr _{0.4} CoO _{3-δ} Cathodes. ECS Transactions, 2021, 103, 1093-1105.	0.5	0
7	Performance and Stability of Solid Oxide Cell Stacks in CO ₂ -Electrolysis Mode. ECS Meeting Abstracts, 2021, MA2021-03, 202-202.	0.0	1
8	Development of a 10/40kW-Class Reversible Solid Oxide Cell System at Forschungszentrum Jülich. ECS Meeting Abstracts, 2021, MA2021-03, 195-195.	0.0	0
9	Development of a 10/40kW-Class Reversible Solid Oxide Cell System at Forschungszentrum Jülich. ECS Transactions, 2021, 103, 289-297.	0.5	4
10	Degradation Analysis of Long-Term Solid Oxide Fuel Cell Stacks with Respect to Chromium Poisoning in La _{0.58} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} and La _{0.6} Sr _{0.4} CoO _{3-δ} Cathodes. ECS Meeting Abstracts, 2021, MA2021-03, 69-69.	0.0	0
11	An Investigation of the Redox Stability of an Anode-Supported SOFC Stack Using Acoustic Emission Monitoring. ECS Meeting Abstracts, 2021, MA2021-03, 60-60.	0.0	0
12	Performance and Stability of Solid Oxide Cell Stacks in CO ₂ -Electrolysis Mode. ECS Transactions, 2021, 103, 363-374.	0.5	5
13	Repair Joining of Glass-Ceramic Sealants for SOC Stacks. ECS Transactions, 2021, 103, 1859-1865.	0.5	0
14	Repair Joining of Glass-Ceramic Sealants for SOC Stacks. ECS Meeting Abstracts, 2021, MA2021-03, 183-183.	0.0	0
15	Degradation Analysis of Long-Term Solid Oxide Fuel Cell Stacks with Respect to Chromium Poisoning in La _{0.58} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} and La _{0.6} Sr _{0.4} CoO _{3-δ} Cathodes. Journal of the Electrochemical Society, 2021, 168, 014505.	2.9	10
16	An experimental investigation of fracture processes in glass-ceramic sealant by means of acoustic emission. International Journal of Hydrogen Energy, 2020, 45, 27539-27550.	7.1	4
17	On the origin of degradation in fuel cells and its fast identification by applying unconventional online-monitoring tools. Applied Energy, 2020, 277, 115603.	10.1	18
18	Multiple charging/discharging cycles of a rechargeable oxide battery – Electrochemistry and post-test analysis. Journal of Power Sources Advances, 2020, 6, 100041.	5.1	0

#	ARTICLE	IF	CITATIONS
19	Performance analysis of a planar solid oxide fuel cell stack between 750°C and 500°C. Journal of Power Sources, 2020, 474, 228671.	7.8	3
20	An Advanced Exergoeconomic Comparison of CO ₂ -Based Transcritical Refrigeration Cycles. Energies, 2020, 13, 6454.	3.1	5
21	Long-term operation of solid oxide fuel cells and preliminary findings on accelerated testing. International Journal of Hydrogen Energy, 2020, 45, 8955-8964.	7.1	35
22	Degradation Analysis of an SOFC Short Stack Subject to 10,000 h of Operation. Journal of the Electrochemical Society, 2020, 167, 144508.	2.9	17
23	Forschungszentrum Jülich "Progress in SOC Development. ECS Transactions, 2019, 91, 2443-2453.	0.5	6
24	Syngas production performance and degradation analysis of a solid oxide electrolyzer stack. Journal of Power Sources, 2019, 433, 126666.	7.8	13
25	A solid oxide fuel cell operating on liquid organic hydrogen carrier-based hydrogen " A kinetic model of the hydrogen release unit and system performance. International Journal of Hydrogen Energy, 2019, 44, 13794-13806.	7.1	47
26	Electrochemical Performance and Degradation Analysis of an SOFC Short Stack Following Operation of More than 100,000 Hours. Journal of the Electrochemical Society, 2019, 166, F1320-F1325.	2.9	31
27	A Detailed Post Mortem Analysis of Solid Oxide Electrolyzer Cells after Long-Term Stack Operation. Journal of the Electrochemical Society, 2018, 165, F357-F364.	2.9	54
28	Electrochemical Performance and Preliminary Post-Mortem Analysis of a Solid Oxide Cell Stack with 20,000 h of Operation. Journal of the Electrochemical Society, 2018, 165, F38-F45.	2.9	58
29	Solid oxide fuel cell operating on liquid organic hydrogen carrier-based hydrogen " making full use of heat integration potentials. International Journal of Hydrogen Energy, 2018, 43, 1758-1768.	7.1	62
30	Analysis of the Cathode Electrical Contact in SOFC Stacks. Journal of the Electrochemical Society, 2018, 165, F677-F683.	2.9	16
31	SOC Development at Forschungszentrum Jülich. ECS Transactions, 2017, 78, 1791-1804.	0.5	20
32	Diffusion-Related SOFC Stack Degradation. ECS Transactions, 2017, 78, 2223-2230.	0.5	3
33	Solid Oxide Electrolyzer Stack with 20,000 h of Operation. ECS Transactions, 2017, 78, 2885-2893.	0.5	15
34	Operation of Thin-Film Electrolyte Metal-Supported Solid Oxide Fuel Cells in Lightweight and Stationary Stacks: Material and Microstructural Aspects. Materials, 2016, 9, 762.	2.9	11
35	Electrochemical characterization of Fe-air rechargeable oxide battery in planar solid oxide cell stacks. Journal of Power Sources, 2016, 336, 91-98.	7.8	20
36	Influence of operating parameters on overall system efficiencies using solid oxide electrolysis technology. International Journal of Hydrogen Energy, 2015, 40, 7103-7113.	7.1	41

#	ARTICLE	IF	CITATIONS
37	Development of storage materials for high-temperature rechargeable oxide batteries. Journal of Energy Storage, 2015, 1, 54-64.	8.1	28
38	Chromium-Related Degradation of Thin-Film Electrolyte Solid Oxide Fuel Cell Stacks. Journal of the Electrochemical Society, 2015, 162, F1275-F1281.	2.9	7
39	Performance and Degradation of Solid Oxide Electrolysis Cells in Stack. Journal of the Electrochemical Society, 2015, 162, F907-F912.	2.9	81
40	SOFC Stack and System Development at Forschungszentrum Jülich. Journal of the Electrochemical Society, 2015, 162, F1199-F1205.	2.9	58
41	SOFC stack performance under high fuel utilization. International Journal of Hydrogen Energy, 2015, 40, 1128-1136.	7.1	111
42	Durability test and degradation behavior of a 2.5 kW SOFC stack with internal reforming of LNG. International Journal of Hydrogen Energy, 2013, 38, 16344-16353.	7.1	64
43	Long-term tests of a Jülich planar short stack with reversible solid oxide cells in both fuel cell and electrolysis modes. International Journal of Hydrogen Energy, 2013, 38, 4281-4290.	7.1	148
44	System Relevant Redox Cycling in SOFC Stacks. ECS Transactions, 2011, 35, 243-249.	0.5	9