Qingping Fang

List of Publications by Year
in descending order

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44 papers	1,041 citations	471509 17 h-index	414414 32 g-index
46 all docs	46 docs citations	46 times ranked	842 citing authors

#	Article	IF	Citations
1	Long-term tests of a JÃ¼lich 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
2	SOFC stack performance under high fuel utilization. International Journal of Hydrogen Energy, 2015, 40, 1128-1136.	7.1	111
3	Performance and Degradation of Solid Oxide Electrolysis Cells in Stack. Journal of the Electrochemical Society, 2015, 162, F907-F912.	2.9	81
4	Durability test and degradation behavior of a 2.5ÂkW SOFC stack with internal reforming of LNG. International Journal of Hydrogen Energy, 2013, 38, 16344-16353.	7.1	64
5	Solid oxide fuel cell operating on liquid organic hydrogen carrier-based hydrogen â€“ making full use of heat integration potentials. International Journal of Hydrogen Energy, 2018, 43, 1758-1768.	7.1	62
6	SOFC Stack and System Development at Forschungszentrum JÃ¼lich. Journal of the Electrochemical Society, 2015, 162, F1199-F1205.	2.9	58
7	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
8	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
9	A solid oxide fuel cell operating on liquid organic hydrogen carrier-based hydrogen â€“ A kinetic model of the hydrogen release unit and system performance. International Journal of Hydrogen Energy, 2019, 44, 13794-13806.	7.1	47
10	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
11	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
12	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
13	Development of storage materials for high-temperature rechargeable oxide batteries. Journal of Energy Storage, 2015, 1, 54-64.	8.1	28
14	Long-Term Experience with a 5/15kW-Class Reversible Solid Oxide Cell System. Journal of the Electrochemical Society, 2021, 168, 014508.	2.9	22
15	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
16	SOC Development at Forschungszentrum JÃ¼lich. ECS Transactions, 2017, 78, 1791-1804.	0.5	20
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	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

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19	Analysis of the Cathode Electrical Contact in SOFC Stacks. Journal of the Electrochemical Society, 2018, 165, F677-F683.	2.9	16
20	Solid Oxide Electrolyzer Stack with 20,000 h of Operation. ECS Transactions, 2017, 78, 2885-2893.	0.5	15
21	Syngas production performance and degradation analysis of a solid oxide electrolyzer stack. Journal of Power Sources, 2019, 433, 126666.	7.8	13
22	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
23	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_{3â˜’Î´} and La_{0.6}Sr_{0.4}CoO_{3â˜’Î´} Cathodes. Journal of the Electrochemical Society, 2021, 168, 104505.	2.9	10
24	System Relevant Redox Cycling in SOFC Stacks. ECS Transactions, 2011, 35, 243-249.	0.5	9
25	Chromium-Related Degradation of Thin-Film Electrolyte Solid Oxide Fuel Cell Stacks. Journal of the Electrochemical Society, 2015, 162, F1275-F1281.	2.9	7
26	Forschungszentrum JÃ¼lich â€“ Progress in SOC Development. ECS Transactions, 2019, 91, 2443-2453.	0.5	6
27	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
28	An Advanced Exergoeconomic Comparison of CO2-Based Transcritical Refrigeration Cycles. Energies, 2020, 13, 6454.	3.1	5
29	Performance and Stability of Solid Oxide Cell Stacks in CO₂-Electrolysis Mode. ECS Transactions, 2021, 103, 363-374.	0.5	5
30	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
31	System-Supporting Operation of Solid-Oxide Electrolysis Stacks. Energies, 2021, 14, 544.	3.1	4
32	Development of a 10/40kW-Class Reversible Solid Oxide Cell System at Forschungszentrum JÃ¼lich. ECS Transactions, 2021, 103, 289-297.	0.5	4
33	Diffusion-Related SOFC Stack Degradation. ECS Transactions, 2017, 78, 2223-2230.	0.5	3
34	Performance analysis of a planar solid oxide fuel cell stack between 750ÂÂ°C and 500ÂÂ°C. Journal of Power Sources, 2020, 474, 228671.	7.8	3
35	Origin of Steam Contaminants and Degradation of Solid-Oxide Electrolysis Stacks. Processes, 2022, 10, 598.	2.8	2
36	Performance and Stability of Solid Oxide Cell Stacks in CO2-Electrolysis Mode. ECS Meeting Abstracts, 2021, MA2021-03, 202-202.	0.0	1

#	Article	IF	Citations
37	Multiple charging/discharging cycles of a rechargeable oxide battery â€“ Electrochemistry and post-test analysis. Journal of Power Sources Advances, 2020, 6, 100041.	5.1	0
38	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
39	Degradation Analysis of Long-Term Solid Oxide Fuel Cell Stacks with Respect to Chromium Poisoning in La0.58Sr0.4Co0.2Fe0.8O3-Î´ and La0.6Sr0.4CoO3-Î´ Cathodes. ECS Transactions, 2021, 103, 1093-1105.	0.5	0
40	Development of a 10/40kW-Class Reversible Solid Oxide Cell System at Forschungszentrum JÃ¼lich. ECS Meeting Abstracts, 2021, MA2021-03, 195-195.	0.0	0
41	Degradation Analysis of Long-Term Solid Oxide Fuel Cell Stacks with Respect to Chromium Poisoning in La0.58Sr0.4Co0.2Fe0.8O3-Î´ and La0.6Sr0.4CoO3-Î´ Cathodes. ECS Meeting Abstracts, 2021, MA2021-03, 69-69.	0.0	0
42	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
43	Repair Joining of Glass-Ceramic Sealants for SOC Stacks. ECS Transactions, 2021, 103, 1859-1865.	0.5	0
44	Repair Joining of Glass-Ceramic Sealants for SOC Stacks. ECS Meeting Abstracts, 2021, MA2021-03, 183-183.	0.0	0