

Lili Cai

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

347
citations

840776

11
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of inner strain on the performance of dual-phase oxygen permeable membranes. <i>Journal of Membrane Science</i> , 2022, 644, 120142.	8.2	5
2	Effect of Phase Ratio on Hydrogen Separation of Dual-Phase Membrane Reactors. <i>Chemie-Ingenieur-Technik</i> , 2022, 94, 145-151.	0.8	1
3	Platinum Group Metal Catalyst (RuO ₂ , PtO ₂ , and Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5) Solar Thermochemical CO ₂ Splitting. <i>ACS Catalysis</i> , 2022, 12, 7719-7736.	11.2	16
4	Improved hydrogen separation performance of asymmetric oxygen transport membranes by grooving in the porous support layer. <i>Green Chemical Engineering</i> , 2021, 2, 96-103.	6.3	7
5	Effects of catalysts on water decomposition and hydrogen oxidation reactions in oxygen transport membrane reactors. <i>Journal of Membrane Science</i> , 2021, 634, 119394.	8.2	6
6	Recent Progress on Mixed Conducting Oxygen Transport Membrane Reactors for Water Splitting Reaction. <i>Acta Chimica Sinica</i> , 2021, 79, 588.	1.4	1
7	Non-noble metal catalysts coated on oxygen-permeable membrane reactors for hydrogen separation. <i>Journal of Membrane Science</i> , 2020, 594, 117463.	8.2	21
8	Universally applicable kinetic model for mixed ionic-electronic conducting membranes. <i>Chemical Engineering Science</i> , 2020, 215, 115455.	3.8	6
9	Effect of Ru and Ni nanocatalysts on water splitting and hydrogen oxidation reactions in oxygen-permeable membrane reactors. <i>Journal of Membrane Science</i> , 2020, 599, 117702.	8.2	22
10	Iron stabilized 1/3 A-site deficient La _{0.67} Ti _{0.33} O perovskite cathodes for efficient CO ₂ electroreduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21053-21061.	10.3	22
11	A permeation model study of oxygen transport kinetics of Ba _x Sr _{1-x} Co _{0.8} Fe _{0.2} O _{3-δ} . <i>AIChE Journal</i> , 2020, 66, e16291.	3.6	5
12	A high-efficiency novel IGCC-COTM carbon capture power plant design. <i>Journal of Advanced Manufacturing and Processing</i> , 2020, 2, .	2.4	11
13	High-performance oxygen transport membrane reactors integrated with IGCC for carbon capture. <i>AIChE Journal</i> , 2020, 66, e16427.	3.6	22
14	Detrimental phase evolution triggered by Ni in perovskite-type cathodes for CO ₂ electroreduction. <i>Journal of Energy Chemistry</i> , 2019, 36, 87-94.	12.9	38
15	Dual-phase membrane reactor for hydrogen separation with high tolerance to CO ₂ and H ₂ S impurities. <i>AIChE Journal</i> , 2019, 65, 1088-1096.	3.6	31
16	Structure and electrochemical properties of cobalt-free perovskite cathode materials for intermediate-temperature solid oxide fuel cells. <i>Electrochimica Acta</i> , 2018, 279, 224-230.	5.2	33
17	H ₂ S-tolerant oxygen-permeable ceramic membranes for hydrogen separation with a performance comparable to those of palladium-based membranes. <i>Energy and Environmental Science</i> , 2017, 10, 101-106.	30.8	53
18	Improving oxygen permeation of MIEC membrane reactor by enhancing the electronic conductivity under intermediate-low oxygen partial pressures. <i>Journal of Membrane Science</i> , 2016, 520, 607-615.	8.2	47