

Zhefei Pan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4515992/publications.pdf>

Version: 2024-02-01

30
papers

2,417
citations

394286

19
h-index

454834

30
g-index

30
all docs

30
docs citations

30
times ranked

2845
citing authors

#	ARTICLE	IF	CITATIONS
1	Recycling of lithium-ion batteries: Recent advances and perspectives. <i>Journal of Power Sources</i> , 2018, 399, 274-286.	4.0	587
2	Advances and challenges in alkaline anion exchange membrane fuel cells. <i>Progress in Energy and Combustion Science</i> , 2018, 66, 141-175.	15.8	388
3	Aqueous metal-air batteries: Fundamentals and applications. <i>Energy Storage Materials</i> , 2020, 27, 478-505.	9.5	221
4	Advances in three-dimensional graphene-based materials: configurations, preparation and application in secondary metal (Li, Na, K, Mg, Al)-ion batteries. <i>Energy and Environmental Science</i> , 2019, 12, 2030-2053.	15.6	163
5	Recent advances in fuel cells based propulsion systems for unmanned aerial vehicles. <i>Applied Energy</i> , 2019, 240, 473-485.	5.1	153
6	Tin-based materials as versatile anodes for alkali (earth)-ion batteries. <i>Journal of Power Sources</i> , 2018, 395, 41-59.	4.0	98
7	Machine learning for advanced energy materials. <i>Energy and AI</i> , 2021, 3, 100049.	5.8	96
8	Alkaline anion exchange membrane fuel cells for cogeneration of electricity and valuable chemicals. <i>Journal of Power Sources</i> , 2017, 365, 430-445.	4.0	94
9	Recent advances in alkali-doped polybenzimidazole membranes for fuel cell applications. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 89, 168-183.	8.2	71
10	Modeling and Simulation of Flow Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000758.	10.2	66
11	Carbon-free sustainable energy technology: Direct ammonia fuel cells. <i>Journal of Power Sources</i> , 2020, 476, 228454.	4.0	61
12	Polymer Electrolyte Membranes for Vanadium Redox Flow Batteries: Fundamentals and Applications. <i>Progress in Energy and Combustion Science</i> , 2021, 85, 100926.	15.8	61
13	Performance characteristics of a passive direct ethylene glycol fuel cell with hydrogen peroxide as oxidant. <i>Applied Energy</i> , 2019, 250, 846-854.	5.1	51
14	A cost-effective and chemically stable electrode binder for alkaline-acid direct ethylene glycol fuel cells. <i>Applied Energy</i> , 2020, 258, 114060.	5.1	45
15	Performance of a hybrid direct ethylene glycol fuel cell. <i>International Journal of Energy Research</i> , 2019, 43, 2583-2591.	2.2	42
16	Enhancing high-voltage performance of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ cathode material via surface modification with lithium-conductive Li ₃ Fe ₂ (PO ₄) ₃ . <i>Journal of Alloys and Compounds</i> , 2019, 773, 519-526.	2.8	32
17	Mathematical modeling of direct ethylene glycol fuel cells incorporating the effect of the competitive adsorption. <i>Applied Thermal Engineering</i> , 2019, 147, 1115-1124.	3.0	27
18	Flow Batteries: Modeling and Simulation of Flow Batteries (Adv. Energy Mater. 31/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070133.	10.2	26

#	ARTICLE	IF	CITATIONS
19	A direct ethylene glycol fuel cell stack as air-independent power sources for underwater and outer space applications. <i>Journal of Power Sources</i> , 2019, 437, 226944.	4.0	25
20	Energizing Fuel Cells with an Electrically Rechargeable Liquid Fuel. <i>Cell Reports Physical Science</i> , 2020, 1, 100102.	2.8	18
21	Two-Dimensional Layered SnO ₂ Nanosheets for Ambient Ammonia Synthesis. <i>ACS Applied Energy Materials</i> , 2020, 3, 6735-6742.	2.5	16
22	Mathematical modeling of direct formate fuel cells incorporating the effect of ion migration. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120629.	2.5	14
23	Performance characteristics of a passive direct formate fuel cell. <i>International Journal of Energy Research</i> , 2019, 43, 7433.	2.2	11
24	Ion Transport Characteristics in Membranes for Direct Formate Fuel Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 765.	1.8	10
25	In-situ formation of bismuth nanoparticles on nickel foam for ambient ammonia synthesis via electrocatalytic nitrogen reduction. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160006.	2.8	10
26	Water flooding behavior in flow cells for ammonia production via electrocatalytic nitrogen reduction. <i>Fundamental Research</i> , 2022, 2, 757-763.	1.6	10
27	Ultralow loading FeCoNi alloy nanoparticles decorated carbon mat for hydrogen peroxide reduction reaction and its application in direct ethylene glycol fuel cells. <i>International Journal of Energy Research</i> , 2022, 46, 13820-13831.	2.2	7
28	A discrete regenerative fuel cell mediated by ammonia for renewable energy conversion and storage. <i>Applied Energy</i> , 2022, 322, 119463.	5.1	7
29	Three-dimensional porous electrodes for direct formate fuel cells. <i>Science China Technological Sciences</i> , 2021, 64, 705-718.	2.0	4
30	Boosting electrocatalytic nitrogen reduction to ammonia in alkaline media. <i>International Journal of Energy Research</i> , 2021, 45, 19634-19644.	2.2	3