# Zhefei Pan

List of Publications by Year
in descending order

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

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|---|---|---|---|
| 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 | Water flooding behavior in flow cells for ammonia production via electrocatalytic nitrogen reduction. Fundamental Research, 2022, 2, 757-763. | 1.6 | 10 |
| 2 | Ultralow loading FeCoNi alloy nanoparticles decorated carbon mat for hydrogen peroxide reduction reaction and its application in direct ethylene glycol fuel cells. International Journal of Energy Research, 2022, 46, 13820-13831. | 2.2 | 7 |
| 3 | A discrete regenerative fuel cell mediated by ammonia for renewable energy conversion and storage. Applied Energy, 2022, 322, 119463. | 5.1 | 7 |
| 4 | Three-dimensional porous electrodes for direct formate fuel cells. Science China Technological Sciences, 2021, 64, 705-718. | 2.0 | 4 |
| 5 | Mathematical modeling of direct formate fuel cells incorporating the effect of ion migration. International Journal of Heat and Mass Transfer, 2021, 164, 120629. | 2.5 | 14 |
| 6 | Machine learning for advanced energy materials. Energy and AI, 2021, 3, 100049. | 5.8 | 96 |
| 7 | Boosting electrocatalytic nitrogen reduction to ammonia in alkaline media. International Journal of Energy Research, 2021, 45, 19634-19644. | 2.2 | 3 |
| 8 | Polymer Electrolyte Membranes for Vanadium Redox Flow Batteries: Fundamentals and Applications. Progress in Energy and Combustion Science, 2021, 85, 100926. | 15.8 | 61 |
| 9 | In-situ formation of bismuth nanoparticles on nickel foam for ambient ammonia synthesis via electrocatalytic nitrogen reduction. Journal of Alloys and Compounds, 2021, 875, 160006. | 2.8 | 10 |
| 10 | A cost-effective and chemically stable electrode binder for alkaline-acid direct ethylene glycol fuel cells. Applied Energy, 2020, 258, 114060. | 5.1 | 45 |
| 11 | Aqueous metal-air batteries: Fundamentals and applications. Energy Storage Materials, 2020, 27, 478-505. | 9.5 | 221 |
| 12 | Ion Transport Characteristics in Membranes for Direct Formate Fuel Cells. Frontiers in Chemistry, 2020, 8, 765. | 1.8 | 10 |
| 13 | Energizing Fuel Cells with an Electrically Rechargeable Liquid Fuel. Cell Reports Physical Science, 2020, 1, 100102. | 2.8 | 18 |
| 14 | Carbon-free sustainable energy technology: Direct ammonia fuel cells. Journal of Power Sources, 2020, 476, 228454. | 4.0 | 61 |
| 15 | Flow Batteries: Modeling and Simulation of Flow Batteries (Adv. Energy Mater. 31/2020). Advanced Energy Materials, 2020, 10, 2070133. | 10.2 | 26 |
| 16 | Two-Dimensional Layered SnO<sub>2</sub> Nanosheets for Ambient Ammonia Synthesis. ACS Applied Energy Materials, 2020, 3, 6735-6742. | 2.5 | 16 |
| 17 | Modeling and Simulation of Flow Batteries. Advanced Energy Materials, 2020, 10, 2000758. | 10.2 | 66 |
| 18 | Performance of a hybrid direct ethylene glycol fuel cell. International Journal of Energy Research, 2019, 43, 2583-2591. | 2.2 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Performance characteristics of a passive direct formate fuel cell. International Journal of Energy Research, 2019, 43, 7433. | 2.2 | 11 |
| 20 | A direct ethylene glycol fuel cell stack as air-independent power sources for underwater and outer space applications. Journal of Power Sources, 2019, 437, 226944. | 4.0 | 25 |
| 21 | Advances in three-dimensional graphene-based materials: configurations, preparation and application in secondary metal (Li, Na, K, Mg, Al)-ion batteries. Energy and Environmental Science, 2019, 12, 2030-2053. | 15.6 | 163 |
| 22 | Mathematical modeling of direct ethylene glycol fuel cells incorporating the effect of the competitive adsorption. Applied Thermal Engineering, 2019, 147, 1115-1124. | 3.0 | 27 |
| 23 | Performance characteristics of a passive direct ethylene glycol fuel cell with hydrogen peroxide as oxidant. Applied Energy, 2019, 250, 846-854. | 5.1 | 51 |
| 24 | Recent advances in fuel cells based propulsion systems for unmanned aerial vehicles. Applied Energy, 2019, 240, 473-485. | 5.1 | 153 |
| 25 | Enhancing high-voltage performance of LiNi0.5Co0.2Mn0.3O2 cathode material via surface modification with lithium-conductive Li3Fe2(PO4)3. Journal of Alloys and Compounds, 2019, 773, 519-526. | 2.8 | 32 |
| 26 | Advances and challenges in alkaline anion exchange membrane fuel cells. Progress in Energy and Combustion Science, 2018, 66, 141-175. | 15.8 | 388 |
| 27 | Recent advances in alkali-doped polybenzimidazole membranes for fuel cell applications. Renewable and Sustainable Energy Reviews, 2018, 89, 168-183. | 8.2 | 71 |
| 28 | Tin-based materials as versatile anodes for alkali (earth)-ion batteries. Journal of Power Sources, 2018, 395, 41-59. | 4.0 | 98 |
| 29 | Recycling of lithium-ion batteries: Recent advances and perspectives. Journal of Power Sources, 2018, 399, 274-286. | 4.0 | 587 |
| 30 | Alkaline anion exchange membrane fuel cells for cogeneration of electricity and valuable chemicals. Journal of Power Sources, 2017, 365, 430-445. | 4.0 | 94 |