# Chuancheng Duan

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 18 papers | 2,899 citations | 567281<br>15 h-index | 794594<br>19 g-index |
| 19 all docs | 19 docs citations | 19 times ranked | 1876 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Readily processed protonic ceramic fuel cells with high performance at low temperatures. Science, 2015, 349, 1321-1326. | 12.6 | 982 |
| 2 | Highly durable, coking and sulfur tolerant, fuel-flexible protonic ceramic fuel cells. Nature, 2018, 557, 217-222. | 27.8 | 500 |
| 3 | Highly efficient reversible protonic ceramic electrochemical cells for power generation and fuel production. Nature Energy, 2019, 4, 230-240. | 39.5 | 419 |
| 4 | Zr and Y co-doped perovskite as a stable, high performance cathode for solid oxide fuel cells operating below 500 Â°C. Energy and Environmental Science, 2017, 10, 176-182. | 30.8 | 270 |
| 5 | Proton-conducting oxides for energy conversion and storage. Applied Physics Reviews, 2020, 7, . | 11.3 | 249 |
| 6 | Defect Incorporation and Transport within Dense BaZr<sub>0.8</sub>Y<sub>0.2</sub>O<sub>3 âˆ’ Î´</sub>(BZY20) Proton-Conducting Membranes. Journal of the Electrochemical Society, 2018, 165, F581-F588. | 2.9 | 69 |
| 7 | Ce-doped La<sub>0.7</sub>Sr<sub>0.3</sub>Fe<sub>0.9</sub>Ni<sub>0.1</sub>O<sub>3âˆ’Î´</sub> as symmetrical electrodes for high performance direct hydrocarbon solid oxide fuel cells. Journal of Materials Chemistry A, 2017, 5, 15253-15259. | 10.3 | 64 |
| 8 | Defect Chemistry and Transport within Dense BaCe<sub>0.7</sub>Zr<sub>0.1</sub>Y<sub>0.1</sub>Yb<sub>0.1</sub>O<sub>3 âˆ’ Î´</sub>(BCZYYb) Proton-Conducting Membranes. Journal of the Electrochemical Society, 2018, 165, F845-F853. | 2.9 | 64 |
| 9 | Proton-conducting ceramic fuel cells: Scale up and stack integration. Journal of Power Sources, 2021, 482, 228868. | 7.8 | 58 |
| 10 | Ionic transport modification in proton conducting BaCe0.6Zr0.3Y0.1O3âˆ’Î´ with transition metal oxide dopants. Solid State Ionics, 2016, 294, 37-42. | 2.7 | 41 |
| 11 | High-yield electrochemical upgrading of CO2 into CH4 using large-area protonic ceramic electrolysis cells. Applied Catalysis B: Environmental, 2022, 307, 121196. | 20.2 | 41 |
| 12 | Roadmap on inorganic perovskites for energy applications. JPhys Energy, 2021, 3, 031502. | 5.3 | 40 |
| 13 | Development of kW-Scale Protonic Ceramic Fuel Cells and Systems. ECS Transactions, 2019, 91, 997-1008. | 0.5 | 24 |
| 14 | Ammonia-fed reversible protonic ceramic fuel cells with Ru-based catalyst. Communications Chemistry, 2021, 4, . | 4.5 | 22 |
| 15 | Direct-Hydrocarbon Proton-Conducting Solid Oxide Fuel Cells. Sustainability, 2021, 13, 4736. | 3.2 | 21 |
| 16 | Enhanced CO<sub>2</sub> Methanation Activity of Sm<sub>0.25</sub>Ce<sub>0.75</sub>O<sub>2-Î´</sub>â€“Ni by Modulating the Chelating Agents-to-Metal Cation Ratio and Tuning Metalâ€“Support Interactions. ACS Applied Materials & Interfaces, 2022, 14, 13295-13304. | 8.0 | 14 |
| 17 | Measurement and Characterization of a High-Temperature, Coke-Resistant Bi-functional Ni/BZY15 Water-Gas-Shift Catalyst Under Steam-Reforming Conditions. Catalysis Letters, 2018, 148, 3592-3607. | 2.6 | 9 |
| 18 | Selective CO2 electrohydrogenation. Nature Catalysis, 2021, 4, 264-265. | 34.4 | 6 |