Litao Yan

List of Publications by Year
in descending order

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32 papers	2,096 citations	257450 24 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	2724 citing authors

#	Article	IF	Citations
1	Nanoscale Engineering of Heterostructured Anode Materials for Boosting Lithiumâ€Ion Storage. Advanced Materials, 2016, 28, 7580-7602.	21.0	224
2	Recent advances in nanostructured Nb-based oxides for electrochemical energy storage. Nanoscale, 2016, 8, 8443-8465.	5.6	172
3	A review of advanced proton-conducting materials for hydrogen separation. Progress in Materials Science, 2015, 74, 1-50.	32.8	145
4	Recent progress and perspectives of bifunctional oxygen reduction/evolution catalyst development for regenerative anion exchange membrane fuel cells. Nano Energy, 2018, 47, 172-198.	16.0	134
5	Fabrication and performance of a proton-conducting solid oxide fuel cell based on a thin BaZr0.8Y0.2O3â^Î´ electrolyte membrane. Journal of Power Sources, 2010, 195, 4727-4730.	7.8	123
6	Ultrafine Nb₂O₅ Nanocrystal Coating on Reduced Graphene Oxide as Anode Material for High Performance Sodium Ion Battery. ACS Applied Materials & Interfaces, 2016, 8, 22213-22219.	8.0	108
7	A novel single phase cathode material for a proton-conducting SOFC. Electrochemistry Communications, 2009, 11, 688-690.	4.7	105
8	High performance proton-conducting solid oxide fuel cells with a stable Sm0.5Sr0.5Co3â^Îâ€“Ce0.8Sm0.2O2â^Î´ composite cathode. Journal of Power Sources, 2010, 195, 3155-3158.	7.8	95
9	La_{0.8}Sr_{0.2}MnO₃-Based Perovskite Nanoparticles with the A-Site Deficiency as High Performance Bifunctional Oxygen Catalyst in Alkaline Solution. ACS Applied Materials & Interfaces, 2017, 9, 23820-23827.	8.0	87
10	A-site Excessive (La_{0.8}Sr_{0.2})_{1+x}MnO₃ Perovskite Oxides for Bifunctional Oxygen Catalyst in Alkaline Media. ACS Catalysis, 2019, 9, 5074-5083.	11.2	84
11	Synthesis and hydrogen permeation of Niâ€“Ba(Zr0.1Ce0.7Y0.2)O3â^Î´ metalâ€“ceramic asymmetric membranes. International Journal of Hydrogen Energy, 2011, 36, 6337-6342.	7.1	80
12	Facile synthesis of hierarchical MoS₂â€“carbon microspheres as a robust anode for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 9653-9660.	10.3	73
13	The performance and mechanism of modified activated carbon air cathode by non-stoichiometric nano Fe3O4 in the microbial fuel cell. Biosensors and Bioelectronics, 2015, 74, 989-995.	10.1	66
14	CO₂-Resistant Hydrogen Permeation Membranes Based on Doped Ceria and Nickel. Journal of Physical Chemistry C, 2010, 114, 10986-10991.	3.1	58
15	Effect of Sm-doping on the hydrogen permeation of Niâ€“La2Ce2O7 mixed protonicâ€“electronic conductor. International Journal of Hydrogen Energy, 2010, 35, 4508-4511.	7.1	54
16	A high performance BaZr0.1Ce0.7Y0.2O3-Î´-based solid oxide fuel cell with a cobalt-free Ba0.5Sr0.5FeO3-Îâ€“Ce0.8Sm0.2O2-Î´ composite cathode. International Journal of Hydrogen Energy, 2010, 35, 7925-7929.	7.1	53
17	Investigation of cobalt-free perovskite Ba0.95La0.05FeO3â^Î´ as a cathode for proton-conducting solid oxide fuel cells. Journal of Power Sources, 2011, 196, 9352-9355.	7.8	52
18	Proton-Blocking Composite Cathode for Proton-Conducting Solid Oxide Fuel Cell. Journal of the Electrochemical Society, 2011, 158, B1432.	2.9	46

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19	Optimization of BaZr0.1Ce0.7Y0.2O3â^Î´-based proton-conducting solid oxide fuel cells with a cobalt-free proton-blocking La0.7Sr0.3FeO3â^Î´â€“Ce0.8Sm0.2O2â^Î´ composite cathode. International Journal of Hydrogen Energy, 2011, 36, 9956-9966.	7.1	38
20	A mixed electronic and protonic conducting hydrogen separation membrane with asymmetric structure. International Journal of Hydrogen Energy, 2012, 37, 12708-12713.	7.1	37
21	White-light long persistent and photo-stimulated luminescence in CaSnSiO5:Dy3+. Journal of Alloys and Compounds, 2013, 574, 22-26.	5.5	36
22	Nanoscale conductive niobium oxides made through low temperature phase transformation for electrocatalyst support. RSC Advances, 2014, 4, 9701.	3.6	33
23	Evaluation of BaZr0.1Ce0.7Y0.2O3â^Î´-based proton-conducting solid oxide fuel cells fabricated by a one-step co-firing process. Electrochimica Acta, 2011, 56, 1447-1454.	5.2	31
24	Influence of fabrication process of Niâ€“BaCe0.7Zr0.1Y0.2O3â^Î´ cermet on the hydrogen permeation performance. Journal of Alloys and Compounds, 2010, 508, L5-L8.	5.5	29
25	A cobalt-free composite cathode prepared by a superior method for intermediate temperature solid oxide fuel cells. Journal of Power Sources, 2012, 217, 431-436.	7.8	23
26	IrO₂-incorporated La_{0.8}Sr_{0.2}MnO₃ as a bifunctional oxygen electrocatalyst with enhanced activities. Inorganic Chemistry Frontiers, 2019, 6, 1029-1039.	6.0	23
27	Concentration-dependent effects of optical storage properties in CSSO:Dy. Materials Letters, 2013, 99, 158-160.	2.6	22
28	Engineering Molybdenum Diselenide and Its Reduced Graphene Oxide Hybrids for Efficient Electrocatalytic Hydrogen Evolution. ACS Applied Nano Materials, 2018, 1, 2143-2152.	5.0	22
29	H2S poisoning and regeneration of Niâ€“BaZr0.1Ce0.7Y0.2O3â^Î´ at intermediate temperature. Journal of Alloys and Compounds, 2009, 475, 935-939.	5.5	20
30	Niobium-doped titanium dioxide on a functionalized carbon supported palladium catalyst for enhanced ethanol electro-oxidation. RSC Advances, 2017, 7, 34618-34623.	3.6	9
31	Crystal structure, electrical conductivity and sintering of Ba0.5Sr0.5ZnxFe1â^'xO3â^Î´. Journal of Alloys and Compounds, 2009, 485, 872-875.	5.5	8
32	Synthesis of SmBaCo2O6â^Î´ powder by the combustion process using Co3O4 as precursor. Journal of Alloys and Compounds, 2009, 481, L40-L42.	5.5	6