Likun Wang

List of Publications by Year
in descending order

20 papers	1,126 citations	623734 14 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	2189 citing authors

#	Article	IF	Citations
1	Nitrogen-doped nanoporous carbon nanosheets derived from plant biomass: an efficient catalyst for oxygen reduction reaction. Energy and Environmental Science, 2014, 7, 4095-4103.	30.8	537
2	An excellent OER electrocatalyst of cubic SrCoO_{3â¯Î´} prepared by a simple F-doping strategy. Journal of Materials Chemistry A, 2019, 7, 12538-12546.	10.3	112
3	Nanocomposite of N-Doped TiO₂ Nanorods and Graphene as an Effective Electrocatalyst for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2014, 6, 21978-21985.	8.0	76
4	Enhancing Chemical Stability and Suppressing Ion Migration in CH₃NH₃PbI₃ Perovskite Solar Cells via Direct Backbone Attachment of Polyesters on Grain Boundaries. Chemistry of Materials, 2020, 32, 5104-5117.	6.7	64
5	Engineering thermally and electrically conductive biodegradable polymer nanocomposites. Composites Part B: Engineering, 2020, 189, 107905.	12.0	56
6	Enhanced flame retardancy of poly(lactic acid) with ultra-low loading of ammonium polyphosphate. Composites Part B: Engineering, 2020, 196, 108124.	12.0	46
7	Designing Nanoplatelet Alloy/Nafion Catalytic Interface for Optimization of PEMFCs: Performance, Durability, and CO Resistance. ACS Catalysis, 2019, 9, 1446-1456.	11.2	29
8	Operation of proton exchange membrane (PEM) fuel cells using natural cellulose fiber membranes. Sustainable Energy and Fuels, 2019, 3, 2725-2732.	4.9	28
9	Suppression of Carbon Monoxide Poisoning in Proton Exchange Membrane Fuel Cells via Gold Nanoparticle/Titania Ultrathin Film Heterogeneous Catalysts. ACS Applied Energy Materials, 2019, 2, 3479-3487.	5.1	28
10	Improving Thermal Stability of Perovskite Solar Cells by Suppressing Ion Migration Using Copolymer Grain Encapsulation. Chemistry of Materials, 2021, 33, 6120-6135.	6.7	22
11	A N-, Fe- and Co-tridoped carbon nanotube/nanoporous carbon nanocomposite with synergistically enhanced activity for oxygen reduction in acidic media. Journal of Materials Chemistry A, 2015, 3, 17866-17873.	10.3	20
12	Engineering Styrenic Blends with Poly(lactic acid). Macromolecules, 2019, 52, 7547-7556.	4.8	19
13	The use of low cost, abundant, homopolymers for engineering degradable polymer blends: Compatibilization of poly(lactic acid)/styrenics using poly(methyl methacrylate). Polymer, 2020, 186, 122010.	3.8	19
14	Regulating substrate mechanics to achieve odontogenic differentiation for dental pulp stem cells on TiO2 filled and unfilled polyisoprene. Acta Biomaterialia, 2019, 89, 60-72.	8.3	17
15	Synthesis and characterization of iron nanoparticles on partially reduced graphene oxide as a cost-effective catalyst for polymer electrolyte membrane fuel cells. MRS Communications, 2017, 7, 166-172.	1.8	15
16	Enhancing proton exchange membrane fuel cell performance via graphene oxide surface synergy. Applied Energy, 2020, 261, 114277.	10.1	13
17	Nitro-oxidized carboxylated cellulose nanofiber based nanopapers and their PEM fuel cell performance. Sustainable Energy and Fuels, 2022, 6, 3669-3680.	4.9	11
18	Electrospinning deposition of poly(acrylic acid): platinum/carbon catalyst ink to enhance polymer electrolyte membrane fuel cell performance. MRS Communications, 2019, 9, 1343-1348.	1.8	8

#	Article	IF	Citations
19	The Role of Titania Surface Coating by Atomic Layer Deposition in Improving Osteogenic Differentiation and Hard Tissue Formation of Dental Pulp Stem Cells. Advanced Engineering Materials, 2021, 23, 2100097.	3.5	5
20	Combination of 3D Printing and ALD for Dentin Fabrication from Dental Pulp Stem Cell Culture. ACS Applied Bio Materials, 2021, 4, 7422-7430.	4.6	1