

Zhiyu Jiang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38

papers

1,613

citations

20

h-index

40

g-index

40

ext. papers

1,682

ext. citations

4.1

avg, IF

4.01

L-index

#	Paper	IF	Citations
38	Tailored dealloying-driven, graphene-boosted defective rutile TiO ₂ for long-term lithium storage. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3226-3235	7.8	2
37	Direct fabrication of anatase TiO ₂ hollow microspheres for applications in photocatalytic hydrogen evolution and lithium storage. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 705-715	2.6	7
36	Scalable synthesis of TiO ₂ crystallites embedded in bread-derived carbon matrix with enhanced lithium storage performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 9206-9220	2.1	12
35	Effect of nano Cu coating on porous Si prepared by acid etching Al-Si alloy powder. <i>Electrochimica Acta</i> , 2015 , 161, 408-412	6.7	30
34	An easy way for preparing high performance porous silicon powder by acid etching AlSi alloy powder for lithium ion battery. <i>Electrochimica Acta</i> , 2014 , 115, 393-398	6.7	87
33	High-performance thin-film Li ₄ Ti ₅ O ₁₂ electrodes fabricated by using ink-jet printing technique and their electrochemical properties. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 705-711	2.6	40
32	Electrochemical properties of LiCoO ₂ thin film electrode prepared by ink-jet printing technique. <i>Thin Solid Films</i> , 2008 , 516, 3314-3319	2.2	52
31	Thermal study of organic electrolytes with fully charged cathodic materials of lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2008 , 12, 671-678	2.6	10
30	Photokilling cancer cells using highly cell-specific antibody-TiO ₂ bioconjugates and electroporation. <i>Bioelectrochemistry</i> , 2007 , 71, 217-22	5.6	109
29	Nitrogen-containing carbon spheres with very large uniform mesopores: The superior electrode materials for EDLC in organic electrolyte. <i>Carbon</i> , 2007 , 45, 1757-1763	10.4	302
28	Nitrogen enriched mesoporous carbon spheres obtained by a facile method and its application for electrochemical capacitor. <i>Electrochemistry Communications</i> , 2007 , 9, 569-573	5.1	241
27	Li _{0.99} Ti _{0.01} FePO ₄ /C composite as cathode material for lithium ion battery. <i>Journal of Solid State Electrochemistry</i> , 2007 , 11, 457-462	2.6	21
26	Cyclic voltammetry as a tool to estimate the effective pore density of an anodic aluminium oxide template. <i>Nanotechnology</i> , 2007 , 18, 215701	3.4	10
25	A novel and facile route of ink-jet printing to thin film SnO ₂ anode for rechargeable lithium ion batteries. <i>Electrochimica Acta</i> , 2006 , 51, 2639-2645	6.7	96
24	Electrochemical fabrication and electronic behavior of polypyrrole nano-fiber array devices. <i>Thin Solid Films</i> , 2006 , 503, 241-245	2.2	25
23	Nano-polypyrrole supercapacitor arrays prepared by layer-by-layer assembling method in anodic aluminum oxide templates. <i>Journal of Solid State Electrochemistry</i> , 2006 , 11, 32-37	2.6	20
22	High-performance supercapacitors of hydrous ruthenium oxide/mesoporous carbon composites. <i>Journal of Solid State Electrochemistry</i> , 2006 , 11, 283-290	2.6	16

21	In situ analysis of interfacial reactions between negative MCMB, lithium electrodes, and gel polymer electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2006 , 11, 310-316	2.6	11
20	Direct electrochemistry and electrocatalysis of horseradish peroxidase immobilized in sol-gel-derived tin oxide/gelatin composite films. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 580, 213-221	4.1	87
19	Bamboo-like CNx nanotubes for the immobilization of hemoglobin and its bioelectrochemistry. <i>Electrochemistry Communications</i> , 2005 , 7, 349-354	5.1	48
18	Bioelectrochemistry and enzymatic activity of glucose oxidase immobilized onto the bamboo-shaped CNx nanotubes. <i>Electrochimica Acta</i> , 2005 , 51, 611-618	6.7	46
17	Homogenous LiCoO ₂ nanoparticles prepared using surfactant P123 as template and its application to manufacturing ultra-thin-film electrode. <i>Materials Chemistry and Physics</i> , 2005 , 91, 463-467	4.4	24
16	Enhanced ionic conductivity of poly(ethylene oxide) (PEO) electrolyte by adding mesoporous molecular sieve LiAISBA. <i>Journal of Solid State Electrochemistry</i> , 2005 , 9, 609-615	2.6	16
15	The unusual electrochemical characteristics of a novel three-dimensional ordered bicontinuous mesoporous carbon. <i>Chemical Physics Letters</i> , 2004 , 389, 327-331	2.5	33
14	Submicro-sized LiMn ₂ O ₄ prepared by a sol-gel, spray-drying method. <i>Journal of Applied Electrochemistry</i> , 2003 , 33, 107-112	2.6	17
13	Preparing ultra-thin nano-MnO ₂ electrodes using computer jet-printing method. <i>Chemical Physics Letters</i> , 2003 , 375, 247-251	2.5	30
12	Photocurrent and photothermal current of polypyrrole (PPy) film. <i>Applied Surface Science</i> , 2003 , 207, 6-12	6.7	9
11	In situ transmission difference FTIR spectroscopic investigation on anodic oxidation of methanol in aqueous solution. <i>Electrochemistry Communications</i> , 2003 , 5, 276-282	5.1	14
10	The one-step preparation and electrochemical characteristics of tin dioxide nanocrystalline materials. <i>Electrochemistry Communications</i> , 2003 , 5, 599-602	5.1	24
9	Cyclic Voltammetric and Ac Impedance Behavior of TiO ₂ Electrodes under UV Illumination. <i>Journal of the Chinese Chemical Society</i> , 2003 , 50, 1003-1008	1.5	4
8	Immobilization of barley protoplasts on a polyelectrolyte modified electrode for measuring the photoelectric behavior of protoplasts. <i>Electrochemistry Communications</i> , 2002 , 4, 431-435	5.1	1
7	Composite polymer electrolyte for Li-ion battery. <i>Chemical Physics Letters</i> , 2002 , 359, 303-308	2.5	6
6	INFLUENCE ON ELECTROFUSION BY ADSORPTION OF FLUORESCENT DEXTRAN ON PROTOPLAST MEMBRANES. <i>Electromagnetic Biology and Medicine</i> , 2002 , 21, 233-241	2.2	1
5	Synthesis of spinel LiMn ₂ O ₄ using direct solid state reaction. <i>Materials Letters</i> , 2002 , 56, 357-363	3.3	51
4	Influence of additives on the protoplasts electrofusion. <i>Bioelectrochemistry</i> , 1999 , 48, 447-51		2

- 3 Transition of polypyrrole from electroactive to electroinactive state investigated by use of in situ FTIR spectroscopy. *Electrochimica Acta*, **1997**, 42, 2361-2367 6.7 39
- 2 Electrochemical oxidation of thiourea studied by use of in situ FTIR spectroscopy. *Journal of Electroanalytical Chemistry*, **1996**, 408, 225-229 4.1 50
- 1 Increase of protoplast electrofusion supported by dextran fractions. *Bioelectrochemistry*, **1995**, 38, 383-387 17