

Zhicheng Li

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69 papers	812 citations	16 h-index	23 g-index
70 ext. papers	927 ext. citations	4.1 avg, IF	4.47 L-index

#	Paper	IF	Citations
69	One-pot hydrothermal synthesized MoO ₂ with high reversible capacity for anode application in lithium ion battery. <i>Electrochimica Acta</i> , 2013 , 102, 429-435	6.7	68
68	High electrochemical performance and lithiation/delithiation phase evolution in CuO thin films for Li-ion storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14202-14209	13	46
67	High electrochemical performance and phase evolution of magnetron sputtered MoO ₂ thin films with hierarchical structure for Li-ion battery electrodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4714-4721	12.1	42
66	In-situ Microstructural Investigations by Electron-beam Irradiation Induced Crystallization of Amorphous MoO _x Thin Films with High Performance for Li-ion Storage. <i>Electrochimica Acta</i> , 2014 , 144, 369-375	6.7	26
65	Electrical properties of hexagonal BaTi _{0.8} Co _{0.2} O ₃ ceramic with NTC effect. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 235103	3	26
64	Electrochemical characteristics of nanostructured NiO plates hydrothermally treated on nickel foam for Li-ion storage. <i>Electrochimica Acta</i> , 2015 , 176, 1427-1433	6.7	25
63	Electrical properties and temperature sensitivity of Mo-modified MnFe ₂ O ₄ ceramics for application of NTC thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 2491-2499	2.1	24
62	Lanthanum gallate and ceria composite as electrolyte for solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2010 , 492, 392-395	5.7	22
61	Gel-combustion synthesis and electrochemical performance of LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ as cathode material for lithium-ion batteries. <i>RSC Advances</i> , 2014 , 4, 37148	3.7	19
60	Electrical properties and temperature sensitivity of Li/Mg modified Ni _{0.7} Zn _{0.3} O based ceramics. <i>Journal of Alloys and Compounds</i> , 2018 , 763, 975-982	5.7	19
59	Reducing the flammability of hydrophobic silica aerogels by doping with hydroxides. <i>Journal of Hazardous Materials</i> , 2019 , 373, 536-546	12.8	18
58	Phase component and conductivities of Co-doped BaTiO ₃ thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2010 , 21, 811-816	2.1	18
57	Electrical conductivity & temperature sensitivity of ceramics based on NiO simple oxides for NTC applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 11871-11877	2.1	17
56	High electrochemical performance of V-FeN thin film electrode for lithium ion batteries. <i>Journal of Power Sources</i> , 2019 , 423, 159-165	8.9	17
55	Zr-substituted SnO ₂ -based NTC thermistors with wide application temperature range and high property stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 6163-6169	2.1	17
54	Single-crystalline metal filament-based resistive switching in a nitrogen-doped carbon film containing conical nanopores. <i>Applied Physics Letters</i> , 2015 , 106, 083104	3.4	17
53	Microstructure evolution of Li uptake/removal in MoO ₂ @C nanoparticles with high lithium storage performance. <i>Materials Research Bulletin</i> , 2014 , 50, 95-102	5.1	16

52	Forming-free resistive switching in a nanoporous nitrogen-doped carbon thin film with ready-made metal nanofilaments. <i>Carbon</i> , 2014 , 76, 459-463	10.4	16
51	Electrical properties of hexagonal BaTi _{1-x} Fe _x O ₃ (x = 0.1, 0.2, 0.3) ceramics with NTC effect. <i>Journal of Materials Science: Materials in Electronics</i> , 2012 , 23, 1306-1312	2.1	16
50	Characterization of a new system of NTC temperature-sensitive ceramics based on Al/F modified NiO simple oxides. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 363-370	2.1	15
49	Electrochemical & microstructural investigations of magnetron sputtered nanostructured ATO thin films for application in Li-ion battery. <i>Electrochimica Acta</i> , 2014 , 130, 232-238	6.7	15
48	Temperature sensitivity of Fe-substituted SnO ₂ -based ceramics as negative temperature coefficient thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 4935-4942	2.1	15
47	Li/Fe modified Zn _{0.3} Ni _{0.7} O NTC thermistors with adjustable resistivities and temperature sensitivity. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 343-350	2.1	14
46	Characterization of negative temperature coefficient of resistivity in (Sn _{1-x} Ti _x) _{0.95} Sb _{0.05} O ₂ (x = 0.1) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 5552-5559	2.1	14
45	Characterization of new negative temperature coefficient thermistors based on Zn _{0.5} Ni _{0.5} O system. <i>Journal of Advanced Ceramics</i> , 2016 , 5, 329-336	10.7	13
44	NTC characteristic of SnSb _{0.05} O ₂ BaTi _{0.8} Fe _{0.2} O ₃ composite materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 3932-3939	2.1	13
43	Electrical properties and temperature sensitivity of B-substituted CuO-based ceramics for negative temperature coefficient thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 10151-10158	2.1	13
42	Electrochemical and microstructural characterization of magnetron-sputtered ATO thin films as Li ⁺ storage materials. <i>Materials Research Bulletin</i> , 2015 , 61, 9-15	5.1	12
41	Electrical properties and thermal sensitivity of Ti/Y modified CuO-based ceramic thermistors. <i>Frontiers of Materials Science</i> , 2016 , 10, 413-421	2.5	12
40	Carbon-coated SnO ₂ thin films developed by magnetron sputtering as anode material for lithium-ion batteries. <i>RSC Advances</i> , 2015 , 5, 106258-106264	3.7	12
39	Influence of B ³⁺ - and Na ⁺ -ions on electrical property and temperature sensitivity of NiO-based ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 3088-3097	2.1	12
38	Characterization of Cu ₃ N/CuO thin films derived from annealed Cu ₃ N for electrode application in Li-ion batteries. <i>Thin Solid Films</i> , 2019 , 672, 157-164	2.2	12
37	Methyltrichlorosilane modified hydrophobic silica aerogels and their kinetic and thermodynamic behaviors. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 89, 448-457	2.3	12
36	NiO/Ni nanocomposites embedded in 3D porous carbon with high performance for lithium-ion storage. <i>Journal of Materials Science</i> , 2020 , 55, 1659-1672	4.3	12
35	Binder free Cu(OH) ₂ /CuO electrodes fabricated directly on copper foils by facile large-scale production method. <i>Journal of Alloys and Compounds</i> , 2018 , 762, 565-573	5.7	12

34	Synthesis and characterization of $\text{Zr}_{0.85}\text{Y}_{0.15}\text{O}_{1.925}\text{-La}_{0.33}\text{Si}_6\text{O}_{26}$ composite electrolyte for application in SOFCs. <i>Journal of Advanced Ceramics</i> , 2012 , 1, 327-335	10.7	10
33	Investigation of electrical and aging properties of Bi-modified $(\text{Zn}_{0.4}\text{Ni}_{0.6})_{1-x}\text{Na}_x\text{O}$ ceramic thermistors. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 4160-4166	6	10
32	Electrical properties and temperature sensitivity of Li/Fe-modified NiO-based ceramics as NTC thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 11902-11908	2.1	10
31	Electrical properties and temperature sensitivity of Mo-modified CuFe_2O_4 ceramics. <i>Materials Research Express</i> , 2018 , 5, 036307	1.7	9
30	Nanostructured Ni_2N thin films magnetron-sputtered on nickel foam as efficient electrocatalyst for hydrogen evolution reaction. <i>Materials Letters</i> , 2018 , 229, 148-151	3.3	9
29	Electrical properties of Y/Mg modified NiO simple oxides for negative temperature coefficient thermistors. <i>International Journal of Applied Ceramic Technology</i> , 2019 , 16, 160-169	2	9
28	Electrical properties of perovskite YFeO_3 based ceramics modified by Cu/Nb ions as negative temperature coefficient thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 14528-14537	2.1	8
27	Electrical property and temperature sensitivity of $\text{NiFe}_2\text{Sb}_x\text{O}_4$ ($x=0.02$) ceramics for negative temperature coefficient thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 11637-11645	2.1	8
26	Electrical property of Al/La/Cu modified ZnO-based negative temperature coefficient (NTC) ceramics with high ageing stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 19598-19607	2.1	7
25	Electrochemical performances of NiO/ Ni_2N nanocomposite thin film as anode material for lithium ion batteries. <i>Frontiers of Materials Science</i> , 2019 , 13, 367-374	2.5	6
24	Electrical conductivity of Al-doped Li_2ZrO_3 ceramics for Li-ion conductor electrolytes. <i>Ceramics International</i> , 2021 , 47, 17950-17955	5.1	6
23	Phase evolution of magnetron sputtered nanostructured ATO on grid during lithiation-delithiation processes as model electrodes for Li-ion battery. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5056-60	3.6	5
22	$\text{Li}_{29}\text{Zr}_9\text{Nb}_{30}\text{O}_{40}$ based Li-ionic conductors as a new system of solid-state electrolytes. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152517	5.7	5
21	Characterization of temperature sensitivity of V-modified CuFe_2O_4 ceramics for NTC thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 18797-18806	2.1	5
20	Characterization of temperature induced resistivity jump in Li/Y/Cr co-doped ZnO ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 10969-10975	2.1	4
19	Characterization of electrical conductivity and temperature sensitivity of Cr/Sb-modified SnO_2 ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 4040-4049	2.1	3
18	Temperature sensitivity and electrical stability of Sb/Mn co-doped SnO_2 ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 16945-16955	2.1	3
17	Abnormal resistivity-temperature characteristic in fluorite type Bi/K-substituted ceria ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 6419-6424	2.1	2

16	Electrical properties of Nb/Al-doped CuO-based ceramics for NTC thermistors. <i>Processing and Application of Ceramics</i> , 2020 , 14, 47-55	1.4	2
15	Influence of V/Ni-doping on electrical properties and aging stability of ZnFe ₂ O ₄ -based NTC ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 17800-17809	2.1	2
14	Critical positive temperature coefficient of resistivity of Li/Y co-doped ZnO ceramics modified by Cr-ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 1691-1702	2.1	2
13	Li ₂ ZrO ₃ based Li-ion conductors doped with halide ions & sintered in oxygen-deficient atmosphere. <i>Ceramics International</i> , 2021 , 47, 31907-31914	5.1	2
12	Facile method for investigating electrochemically induced products in films deposited directly on grids as working electrodes. <i>Materials Letters</i> , 2015 , 157, 1-3	3.3	1
11	High Li-ionic conductivity of Li ₂ Zr ₉ Nb ₃ O ₄₀ ceramic sintered in oxygen-deficient atmosphere. <i>Journal of Alloys and Compounds</i> , 2021 , 163082	5.7	1
10	Electrical properties of Ga/V-modified ZnO ceramic thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 28792	2.1	1
9	Electrical properties of Sr-modified CuO ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 15907-15916	2.1	1
8	Li-ion storage performance and electrochemically induced phase evolution of layer-structured Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ cathode material. <i>Frontiers of Materials Science</i> , 2016 , 10, 187-196	2.5	1
7	Sb-doped ZnO ceramics: NTC thermistors with high temperature sensitivity and electrical stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 24296-24307	2.1	1
6	Electrical properties of La-Mn-codoped BaTiO ₃ -(Bi _{0.5} Na _{0.5})TiO ₃ lead-free PTCR ceramics. <i>Ceramics International</i> , 2021 , 47, 30963-30968	5.1	1
5	Three-dimensional flexible molybdenum oxynitride thin film as a high capacity anode for Li-ion batteries.. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 183-192	9.3	0
4	Thin film based on Li-doped Zn _{0.4} Ni _{0.6} O solid solution compound for multifunctional applications. <i>Materials Letters</i> , 2022 , 316, 132013	3.3	0
3	Electrical conductivity and temperature sensitivity of Cu/Mo co-modified YFeO ceramics. <i>Processing and Application of Ceramics</i> , 2021 , 15, 195-201	1.4	
2	Characterization of NiO based ceramics modified with Y ₂ O ₃ /BiSbO ₃ for application of NTC thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 1	2.1	
1	Performance and electrochemical evolution of (Zn _{0.4} Ni _{0.6}) _{0.95} Li _{0.05} O thin film for Li-ion storage electrode. <i>Journal of Alloys and Compounds</i> , 2022 , 906, 164417	5.7	