

Zhicheng Li

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4552742/zhicheng-li-publications-by-year.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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	0
68	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
67	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
66	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
65	Electrical properties of Ga/V-modified ZnO ceramic thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 28792	2.1	1
64	Electrical properties of Sr-modified CuO ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 15907-15916	2.1	1
63	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
62	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
61	Investigation of electrical and aging properties of Bi-modified (Zn _{0.4} Ni _{0.6}) _{1-x} NaxO ceramic thermistors. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 4160-4166	6	10
60	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
59	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	0
58	Electrical conductivity of Al-doped Li ₂ ZrO ₃ ceramics for Li-ion conductor electrolytes. <i>Ceramics International</i> , 2021 , 47, 17950-17955	5.1	6
57	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
56	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
55	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
54	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
53	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

52	Li ₂ Zr ₉ Nb ₃ 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
51	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
50	High electrochemical performance of α -FeN thin film electrode for lithium ion batteries. <i>Journal of Power Sources</i> , 2019 , 423, 159-165	8.9	17
49	Reducing the flammability of hydrophobic silica aerogels by doping with hydroxides. <i>Journal of Hazardous Materials</i> , 2019 , 373, 536-546	12.8	18
48	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
47	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
46	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, 19598-19608	2.1	7
45	Electrochemical performances of NiO/Ni ₂ N nanocomposite thin film as anode material for lithium ion batteries. <i>Frontiers of Materials Science</i> , 2019 , 13, 367-374	2.5	6
44	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
43	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
42	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
41	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
40	Electrical properties and temperature sensitivity of Mo-modified CuFe ₂ O ₄ ceramics. <i>Materials Research Express</i> , 2018 , 5, 036307	1.7	9
39	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
38	Nanostructured Ni ₂ N 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
37	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
36	Characterization of temperature sensitivity of V-modified CuFe ₂ O ₄ ceramics for NTC thermistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 18797-18806	2.1	5
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 Electrical property and temperature sensitivity of $\text{NiFe}_{2-x}\text{Sb}_x\text{O}_4$ ($x = 0.02$) ceramics for negative temperature coefficient thermistors. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 11637-11645
- 33 Electrical properties and temperature sensitivity of Li/Mg modified $\text{Ni}_{0.7}\text{Zn}_{0.3}\text{O}$ based ceramics. *Journal of Alloys and Compounds*, **2018**, 763, 975-982
- 32 Characterization of a new system of NTC temperature-sensitive ceramics based on Al/F modified NiO simple oxides. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 363-370
- 31 Electrical conductivity & temperature sensitivity of ceramics based on NiO simple oxides for NTC applications. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 11871-11877
- 30 Electrical properties and thermal sensitivity of Ti/Y modified CuO-based ceramic thermistors. *Frontiers of Materials Science*, **2016**, 10, 413-421
- 29 Characterization of new negative temperature coefficient thermistors based on ZnNiO system. *Journal of Advanced Ceramics*, **2016**, 5, 329-336
- 28 Abnormal resistivity-temperature characteristic in fluorite type Bi/K-substituted ceria ceramics. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 6419-6424
- 27 Temperature sensitivity of Fe-substituted SnO_2 -based ceramics as negative temperature coefficient thermistors. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 4935-4942
- 26 Li-ion storage performance and electrochemically induced phase evolution of layer-structured $\text{Li}[\text{Li}_{0.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}]\text{O}_2$ cathode material. *Frontiers of Materials Science*, **2016**, 10, 187-196
- 25 Electrical properties and temperature sensitivity of Li/Fe-modified NiO-based ceramics as NTC thermistors. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 11902-11908
- 24 Electrochemical characteristics of nanostructured NiO plates hydrothermally treated on nickel foam for Li-ion storage. *Electrochimica Acta*, **2015**, 176, 1427-1433
- 23 Zr-substituted SnO_2 -based NTC thermistors with wide application temperature range and high property stability. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 6163-6169
- 22 Single-crystalline metal filament-based resistive switching in a nitrogen-doped carbon film containing conical nanopores. *Applied Physics Letters*, **2015**, 106, 083104
- 21 Electrochemical and microstructural characterization of magnetron-sputtered ATO thin films as Li-ion storage materials. *Materials Research Bulletin*, **2015**, 61, 9-15
- 20 Facile method for investigating electrochemically induced products in films deposited directly on grids as working electrodes. *Materials Letters*, **2015**, 157, 1-3
- 19 High electrochemical performance and lithiation-delithiation phase evolution in CuO thin films for Li-ion storage. *Journal of Materials Chemistry A*, **2015**, 3, 14202-14209
- 18 Carbon-coated SnO_2 thin films developed by magnetron sputtering as anode material for lithium-ion batteries. *RSC Advances*, **2015**, 5, 106258-106264
- 17 Electrical properties and temperature sensitivity of B-substituted CuO-based ceramics for negative temperature coefficient thermistors. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 10157-10158

16	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
15	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	13.21	42
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	Synthesis and characterization of Zr _{0.85} Y _{0.15} O _{1.925} -La _{0.33} Si ₆ O ₂₆ composite electrolyte for application in SOFCs. <i>Journal of Advanced Ceramics</i> , 2012 , 1, 327-335	10.7	10
5	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
4	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
3	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
2	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
1	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> , 2009 , 20, 1055-1060	2.1	1