

# Jeong-Hee Choi

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1476200/jeong-hee-choi-publications-by-year.pdf>

**Version:** 2024-04-24

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.

56  
papers

1,454  
citations

20  
h-index

37  
g-index

58  
ext. papers

1,709  
ext. citations

6  
avg, IF

4.77  
L-index

#	Paper	IF	Citations
56	Highly Reversible Cycling of Zn-MnO Batteries Integrated with Acid-Treated Carbon Supportive Layer.. <i>Small Methods</i> , <b>2022</b> , 6, e2101060	12.8	1
55	Highly Reversible Cycling of Zn-MnO 2 Batteries Integrated with Acid-Treated Carbon Supportive Layer (Small Methods 2/2022). <i>Small Methods</i> , <b>2022</b> , 6, 2270014	12.8	
54	3D Carbon-Based Porous Anode with a Pore-Size Gradient for High-Performance Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 55227-55234	9.5	3
53	Modulating the electrical conductivity of a graphene oxide-coated 3D framework for guiding bottom-up lithium growth. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 1822-1834	13	9
52	A cooperative biphasic MoO-MoP promoter enables a fast-charging lithium-ion battery. <i>Nature Communications</i> , <b>2021</b> , 12, 39	17.4	18
51	Germanium telluride: Layered high-performance anode for sodium-ion batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 331, 135393	6.7	10
50	Porosity controlled carbon-based 3D anode for lithium metal batteries by a slurry based process. <i>Chemical Communications</i> , <b>2020</b> , 56, 13040-13043	5.8	9
49	New high-energy-density GeTe-based anodes for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3278-3288	13	40
48	Calcium zincate as an efficient reversible negative electrode material for rechargeable zinc-air batteries. <i>Ionics</i> , <b>2019</b> , 25, 1707-1713	2.7	5
47	Investigation of electrochemical reaction mechanism for antimony selenide nanocomposite for sodium-ion battery electrodes. <i>Journal of Applied Electrochemistry</i> , <b>2019</b> , 49, 207-216	2.6	11
46	Sn-Based Nanocomposite for Li-Ion Battery Anode with High Energy Density, Rate Capability, and Reversibility. <i>ACS Nano</i> , <b>2018</b> , 12, 2955-2967	16.7	78
45	Effect of carbon properties on the electrochemical performance of carbon-based air electrodes for rechargeable zinc-air batteries. <i>Journal of Applied Electrochemistry</i> , <b>2018</b> , 48, 405-413	2.6	6
44	Microstructure Controlled Porous Silicon Particles as a High Capacity Lithium Storage Material via Dual Step Pore Engineering. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800855	15.6	74
43	Design and electrochemical characteristics of single-layer cathode for flexible tubular type zinc-air fuel cells. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 740, 895-900	5.7	9
42	Carbon embedded SnSb composite tailored by carbothermal reduction process as high performance anode for sodium-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 60, 451-457	6.3	15
41	Porous carbon-free SnSb anodes for high-performance Na-ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 386, 34-39	8.9	28
40	Ultraconcentrated Sodium Bis(fluorosulfonyl)imide-Based Electrolytes for High-Performance Sodium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3723-3732	9.5	126

39	Highly Reversible Na-Ion Reaction in Nanostructured Sb <sub>2</sub> Te <sub>3</sub> -C Composites as Na-Ion Battery Anodes. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A2056-A2064	3.9	29
38	A pore-structured Si alloy anode using an unzipping polymer for a lithium ion battery. <i>Journal of Applied Electrochemistry</i> , <b>2017</b> , 47, 1127-1136	2.6	5
37	High performance Sb <sub>2</sub> S <sub>3</sub> /carbon composite with tailored artificial interface as an anode material for sodium ion batteries. <i>Metals and Materials International</i> , <b>2017</b> , 23, 1241-1249	2.4	16
36	Carbon Nanofiber/3D Nanoporous Silicon Hybrids as High Capacity Lithium Storage Materials. <i>ChemSusChem</i> , <b>2016</b> , 9, 834-40	8.3	20
35	Fabrication of macroporous Si alloy anodes using polystyrene beads for lithium ion batteries. <i>Journal of Applied Electrochemistry</i> , <b>2016</b> , 46, 695-702	2.6	9
34	Sb <sub>2</sub> S <sub>3</sub> embedded in amorphous P/C composite matrix as high-performance anode material for sodium ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 210, 588-595	6.7	47
33	Microstructural Tuning of Si/TiFeSi <sub>2</sub> Nanocomposite as Lithium Storage Materials by Mechanical Deformation. <i>Electrochimica Acta</i> , <b>2016</b> , 210, 301-307	6.7	9
32	Restoration of saline greenhouse soil and its effect on crop growth through in situ field-scale electrokinetic technology. <i>Separation Science and Technology</i> , <b>2016</b> , 51, 1227-1237	2.5	5
31	Low temperature synthesis of garnet type solid electrolyte by modified polymer complex process and its characterization. <i>Materials Research Bulletin</i> , <b>2016</b> , 83, 309-315	5.1	13
30	Rate-capability response of graphite anode materials in advanced energy storage systems: a structural comparison. <i>Carbon Letters</i> , <b>2016</b> , 17, 39-44	2.3	3
29	Free-Positioning Wireless Charging System for Small Electronic Devices Using a Bowl-Shaped Transmitting Coil. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2015</b> , 63, 791-800	4.1	61
28	ZnSb/C composite anode in additive free electrolyte for sodium ion batteries. <i>Materials Letters</i> , <b>2015</b> , 159, 349-352	3.3	17
27	Anodic WO <sub>3</sub> mesosponge @ carbon: a novel binder-less electrode for advanced energy storage devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 7635-43	9.5	45
26	Cycle life modeling and the capacity fading mechanisms in a graphite/LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> cell. <i>Journal of Applied Electrochemistry</i> , <b>2015</b> , 45, 419-426	2.6	14
25	Enhancement of ionic conductivity of composite membranes for all-solid-state lithium rechargeable batteries incorporating tetragonal Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> into a polyethylene oxide matrix. <i>Journal of Power Sources</i> , <b>2015</b> , 274, 458-463	8.9	189
24	All Solid-State Lithium Batteries Assembled with Hybrid Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A704-A710	3.9	124
23	Metal-assisted silicon based negative electrode for Li-ion batteries. <i>Materials Letters</i> , <b>2014</b> , 126, 291-294	3.3	6
22	Effect of copper content in the new conductive material Cu-SPB used in low-temperature Li-ion batteries. <i>Journal of the Korean Physical Society</i> , <b>2014</b> , 65, 317-324	0.6	4

21	Effects of electrode loading on low temperature performances of Li-ion batteries. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 2625-2630	1.6	4
20	Low temperature performance of graphite and LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> electrodes in Li-ion batteries. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 7707-7714	4.3	31
19	Comparative electrochemical analysis of crystalline and amorphous anodized iron oxide nanotube layers as negative electrode for LIB. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 11219-24	9.5	28
18	High areal capacity for battery anode using rapidly growing self-ordered TiO <sub>2</sub> nanotubes with a high aspect ratio. <i>Materials Letters</i> , <b>2014</b> , 137, 347-350	3.3	9
17	Effect of binder and composition ratio on electrochemical performance of silicon/graphite composite battery electrode. <i>Materials Letters</i> , <b>2014</b> , 136, 254-257	3.3	23
16	Cathodic performance of V <sub>2</sub> O <sub>5</sub> nanowires and reduced graphene oxide composites for lithium ion batteries. <i>Current Applied Physics</i> , <b>2014</b> , 14, 215-221	2.6	45
15	Crystalline iron oxide nanotube arrays with high aspect ratio as binder free anode for Li-ion batteries. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 1889-1894	1.6	12
14	Electrically exploded silicon/carbon nanocomposite as anode material for lithium-ion batteries. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 9340-5	1.3	6
13	A Field Study on Electrokinetic Removal of Salts from Greenhouse Soil. <i>Korean Chemical Engineering Research</i> , <b>2014</b> , 52, 126-132		
12	Improved performance of Ag-nanoparticle-decorated TiO <sub>2</sub> nanotube arrays in Li-ion batteries. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 63, 1809-1814	0.6	12
11	Electrokinetic Remediation of Saline Soil Using Pulse Power. <i>Environmental Engineering Science</i> , <b>2013</b> , 30, 133-141	2	11
10	In Situ Electrokinetic Removal of Salts from Greenhouse Soil Using Iron Electrode. <i>Separation Science and Technology</i> , <b>2013</b> , 48, 749-756	2.5	11
9	Effect of Electrode Materials on Electrokinetic Reduction of Soil Salinity. <i>Separation Science and Technology</i> , <b>2012</b> , 47, 22-29	2.5	13
8	Hexagonal two dimensional electrokinetic systems for restoration of saline agricultural lands: A pilot study. <i>Chemical Engineering Journal</i> , <b>2012</b> , 198-199, 110-121	14.7	38
7	Removal characteristics of salts of greenhouse in field test by in situ electrokinetic process. <i>Electrochimica Acta</i> , <b>2012</b> , 86, 63-71	6.7	23
6	Pilot-scale study on in situ electrokinetic removal of nitrate from greenhouse soil. <i>Separation and Purification Technology</i> , <b>2011</b> , 79, 254-263	8.3	32
5	Removal of phosphate from agricultural soil by electrokinetic remediation with iron electrode. <i>Journal of Applied Electrochemistry</i> , <b>2010</b> , 40, 1101-1111	2.6	10
4	Evaluation of EK System by DC and AC on Removal of Nitrate Complex. <i>Separation Science and Technology</i> , <b>2009</b> , 44, 2269-2283	2.5	12

3	Molecular characterization and corrosion behavior of thermophilic (55 °C) SRB <i>Desulfotomaculum kuznetsovii</i> isolated from cooling tower in petroleum refinery. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , <b>2009</b> , 60, 730-737	1.6	18
2	Electrochemical studies on the performance of SS316L electrode in electrokinetics. <i>Metals and Materials International</i> , <b>2009</b> , 15, 771-781	2.4	6
1	Nitrate removal by electro-bioremediation technology in Korean soil. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 168, 1208-16	12.8	48