Jeong-Hee Choi

List of Publications by Citations

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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.

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	Enhancement of ionic conductivity of composite membranes for all-solid-state lithium rechargeable batteries incorporating tetragonal□Li7La3Zr2O12 into a polyethylene oxide matrix. *Journal of Power Sources*, **2015**, 274, 458-463	8.9	189
55	Ultraconcentrated Sodium Bis(fluorosulfonyl)imide-Based Electrolytes for High-Performance Sodium Metal Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 3723-3732	9.5	126
54	All Solid-State Lithium Batteries Assembled with Hybrid Solid Electrolytes. *Journal of the Electrochemical Society*, **2015**, 162, A704-A710	3.9	124
53	Sn-Based Nanocomposite for Li-Ion Battery Anode with High Energy Density, Rate Capability, and Reversibility. *ACS Nano*, **2018**, 12, 2955-2967	16.7	78
52	Microstructure Controlled Porous Silicon Particles as a High Capacity Lithium Storage Material via Dual Step Pore Engineering. *Advanced Functional Materials*, **2018**, 28, 1800855	15.6	74
51	Free-Positioning Wireless Charging System for Small Electronic Devices Using a Bowl-Shaped Transmitting Coil. *IEEE Transactions on Microwave Theory and Techniques*, **2015**, 63, 791-800	4.1	61
50	Nitrate removal by electro-bioremediation technology in Korean soil. *Journal of Hazardous Materials*, **2009**, 168, 1208-16	12.8	48
49	Sb2S3 embedded in amorphous P/C composite matrix as high-performance anode material for sodium ion batteries. *Electrochimica Acta*, **2016**, 210, 588-595	6.7	47
48	Anodic WO3 mesosponge @ carbon: a novel binder-less electrode for advanced energy storage devices. *ACS Applied Materials & Interfaces*, **2015**, 7, 7635-43	9.5	45
47	Cathodic performance of V2O5 nanowires and reduced graphene oxide composites for lithium ion batteries. *Current Applied Physics*, **2014**, 14, 215-221	2.6	45
46	New high-energy-density GeTe-based anodes for Li-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 3278-3288	13	40
45	Hexagonal two dimensional electrokinetic systems for restoration of saline agricultural lands: A pilot study. *Chemical Engineering Journal*, **2012**, 198-199, 110-121	14.7	38
44	Pilot-scale study on in situ electrokinetic removal of nitrate from greenhouse soil. *Separation and Purification Technology*, **2011**, 79, 254-263	8.3	32
43	Low temperature performance of graphite and LiNi0.6Co0.2Mn0.2O2 electrodes in Li-ion batteries. *Journal of Materials Science*, **2014**, 49, 7707-7714	4.3	31
42	Highly Reversible Na-Ion Reaction in Nanostructured Sb2Te3-C Composites as Na-Ion Battery Anodes. *Journal of the Electrochemical Society*, **2017**, 164, A2056-A2064	3.9	29
41	Porous carbon-free SnSb anodes for high-performance Na-ion batteries. *Journal of Power Sources*, **2018**, 386, 34-39	8.9	28
40	Comparative electrochemical analysis of crystalline and amorphous anodized iron oxide nanotube layers as negative electrode for LIB. *ACS Applied Materials & Interfaces*, **2014**, 6, 11219-24	9.5	28

39	Effect of binder and composition ratio on electrochemical performance of silicon/graphite composite battery electrode. *Materials Letters*, **2014**, 136, 254-257	3.3	23
38	Removal characteristics of salts of greenhouse in field test by in situ electrokinetic process. *Electrochimica Acta*, **2012**, 86, 63-71	6.7	23
37	Carbon Nanofiber/3D Nanoporous Silicon Hybrids as High Capacity Lithium Storage Materials. *ChemSusChem*, **2016**, 9, 834-40	8.3	20
36	Molecular characterization and corrosion behavior of thermophilic (55 ℃) SRB Desulfotomaculum kuznetsovii isolated from cooling tower in petroleum refinery. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2009**, 60, 730-737	1.6	18
35	A cooperative biphasic MoO-MoP promoter enables a fast-charging lithium-ion battery. *Nature Communications*, **2021**, 12, 39	17.4	18
34	ZnSb/C composite anode in additive free electrolyte for sodium ion batteries. *Materials Letters*, **2015**, 159, 349-352	3.3	17
33	High performance Sb2S3/carbon composite with tailored artificial interface as an anode material for sodium ion batteries. *Metals and Materials International*, **2017**, 23, 1241-1249	2.4	16
32	Carbon embedded SnSb composite tailored by carbothermal reduction process as high performance anode for sodium-ion batteries. *Journal of Industrial and Engineering Chemistry*, **2018**, 60, 451-457	6.3	15
31	Cycle life modeling and the capacity fading mechanisms in a graphite/LiNi0.6Co0.2Mn0.2O2 cell. *Journal of Applied Electrochemistry*, **2015**, 45, 419-426	2.6	14
30	Low temperature synthesis of garnet type solid electrolyte by modified polymer complex process and its characterization. *Materials Research Bulletin*, **2016**, 83, 309-315	5.1	13
29	Effect of Electrode Materials on Electrokinetic Reduction of Soil Salinity. *Separation Science and Technology*, **2012**, 47, 22-29	2.5	13
28	Crystalline iron oxide nanotube arrays with high aspect ratio as binder free anode for Li-ion batteries. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 1889-1894	1.6	12
27	Improved performance of Ag-nanoparticle-decorated TiO2 nanotube arrays in Li-ion batteries. *Journal of the Korean Physical Society*, **2013**, 63, 1809-1814	0.6	12
26	Evaluation of EK System by DC and AC on Removal of Nitrate Complex. *Separation Science and Technology*, **2009**, 44, 2269-2283	2.5	12
25	Electrokinetic Remediation of Saline Soil Using Pulse Power. *Environmental Engineering Science*, **2013**, 30, 133-141	2	11
24	In Situ Electrokinetic Removal of Salts from Greenhouse Soil Using Iron Electrode. *Separation Science and Technology*, **2013**, 48, 749-756	2.5	11
23	Investigation of electrochemical reaction mechanism for antimony selenide nanocomposite for sodium-ion battery electrodes. *Journal of Applied Electrochemistry*, **2019**, 49, 207-216	2.6	11
22	Removal of phosphate from agricultural soil by electrokinetic remediation with iron electrode. *Journal of Applied Electrochemistry*, **2010**, 40, 1101-1111	2.6	10

21	Germanium telluride: Layered high-performance anode for sodium-ion batteries. *Electrochimica Acta*, **2020**, 331, 135393	6.7	10
20	Design and electrochemical characteristics of single-layer cathode for flexible tubular type zinc-air fuel cells. *Journal of Alloys and Compounds*, **2018**, 740, 895-900	5.7	9
19	Fabrication of macroporous Si alloy anodes using polystyrene beads for lithium ion batteries. *Journal of Applied Electrochemistry*, **2016**, 46, 695-702	2.6	9
18	Microstructural Tuning of Si/TiFeSi2 Nanocomposite as Lithium Storage Materials by Mechanical Deformation. *Electrochimica Acta*, **2016**, 210, 301-307	6.7	9
17	High areal capacity for battery anode using rapidly growing self-ordered TiO2 nanotubes with a high aspect ratio. *Materials Letters*, **2014**, 137, 347-350	3.3	9
16	Porosity controlled carbon-based 3D anode for lithium metal batteries by a slurry based process. *Chemical Communications*, **2020**, 56, 13040-13043	5.8	9
15	Modulating the electrical conductivity of a graphene oxide-coated 3D framework for guiding bottom-up lithium growth. *Journal of Materials Chemistry A*, **2021**, 9, 1822-1834	13	9
14	Effect of carbon properties on the electrochemical performance of carbon-based air electrodes for rechargeable zinc–air batteries. *Journal of Applied Electrochemistry*, **2018**, 48, 405-413	2.6	6
13	Metal-assisted silicon based negative electrode for Li-ion batteries. *Materials Letters*, **2014**, 126, 291-294	3.3	6
12	Electrically exploded silicon/carbon nanocomposite as anode material for lithium-ion batteries. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 9340-5	1.3	6
11	Electrochemical studies on the performance of SS316L electrode in electrokinetics. *Metals and Materials International*, **2009**, 15, 771-781	2.4	6
10	Restoration of saline greenhouse soil and its effect on crop growth through in situ field-scale electrokinetic technology. *Separation Science and Technology*, **2016**, 51, 1227-1237	2.5	5
9	A pore-structured Si alloy anode using an unzipping polymer for a lithium ion battery. *Journal of Applied Electrochemistry*, **2017**, 47, 1127-1136	2.6	5
8	Calcium zincate as an efficient reversible negative electrode material for rechargeable zinc–air batteries. *Ionics*, **2019**, 25, 1707-1713	2.7	5
7	Effect of copper content in the new conductive material Cu-SPB used in low-temperature Li-ion batteries. *Journal of the Korean Physical Society*, **2014**, 65, 317-324	0.6	4
6	Effects of electrode loading on low temperature performances of Li-ion batteries. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 2625-2630	1.6	4
5	3D Carbon-Based Porous Anode with a Pore-Size Gradient for High-Performance Lithium Metal Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 55227-55234	9.5	3
4	Rate-capability response of graphite anode materials in advanced energy storage systems: a structural comparison. *Carbon Letters*, **2016**, 17, 39-44	2.3	3

List of Publications

3	Highly Reversible Cycling of Zn-MnO Batteries Integrated with Acid-Treated Carbon Supportive Layer.. *Small Methods*, **2022**, 6, e2101060	12.8	1
2	A Field Study on Electrokinetic Removal of Salts from Greenhouse Soil. *Korean Chemical Engineering Research*, **2014**, 52, 126-132		
1	Highly Reversible Cycling of Zn-MnO 2 Batteries Integrated with Acid-Treated Carbon Supportive Layer (Small Methods 2/2022). *Small Methods*, **2022**, 6, 2270014	12.8	