Jinyoung Chun

List of Publications by Year in Descending Order

49 papers	2,287 citations	20 h-index	47 g-index
56 ext. papers	2,562 ext. citations	8 avg, IF	5.01 L-index

#	Paper	IF	Citations
49	Nickel fluoride (NiF2)/porous carbon nanocomposite synthesized via ammonium fluoride (NH4F) treatment for lithium-ion battery cathode applications. *Journal of Power Sources*, **2022**, 521, 230935	8.9	2
48	On-demand solid-state artistic ultrahigh areal energy density microsupercapacitors. *Energy Storage Materials*, **2022**, 47, 569-578	19.4	0
47	Two-Stage Continuous Process for the Extraction of Silica from Rice Husk Using Attrition Ball Milling and Alkaline Leaching Methods. *Sustainability*, **2021**, 13, 7350	3.6	2
46	Facile approach for the synthesis of spherical mesoporous silica nanoparticles from sodium silicate. *Materials Letters*, **2021**, 283, 128765	3.3	10
45	Recent advances in the synthesis of mesoporous materials and their application to lithium-ion batteries and hybrid supercapacitors. *Korean Journal of Chemical Engineering*, **2021**, 38, 227-247	2.8	10
44	A biopolymer-based functional separator for stable Li metal batteries with an additive-free commercial electrolyte. *Journal of Materials Chemistry A*, **2021**, 9, 7774-7781	13	7
43	Determination of equilibrium isotope effect at Pd/alkaline solution (regular and heavy water) interfaces by the phase-shift method and its comparison with other Pt-group metals. *International Journal of Hydrogen Energy*, **2021**, 46, 8125-8131	6.7	1
42	Alkaline Fractionation and Subsequent Production of Nano-Structured Silica and Cellulose Nano-Fibrils for the Comprehensive Utilization of Rice Husk. *Sustainability*, **2021**, 13, 1951	3.6	3
41	Non-graphitizable resin coating on polyacrylonitrile-based polyHIPE to prepare high surface area graphitic carbon foam and the investigation of its electrochemical performance as an anode of lithium-ion batteries. *Journal of Alloys and Compounds*, **2021**, 873, 159771	5.7	1
40	Residual silica removal and nanopore generation on industrial waste silicon using ammonium fluoride and its application to lithium-ion battery anodes. *Chemical Engineering Journal*, **2021**, 419, 129389	14.7	6
39	Dual Behavior of Dispersed Ni Nanoparticles for Hydrogen Evolution Reaction at the Interface of Ni/Alkaline Solution. *Journal of the Electrochemical Society*, **2021**, 168, 096512	3.9	0
38	Synthesis of Sodium Cobalt Fluoride/Reduced Graphene Oxide (NaCoF/rGO) Nanocomposites and Investigation of Their Electrochemical Properties as Cathodes for Li-Ion Batteries. *Materials*, **2021**, 14,	3.5	6
37	Mesoporous carbon host material for stable lithium metal anode. *Nanoscale*, **2020**, 12, 11818-11824	7.7	28
36	A small-strain niobium nitride anode with ordered mesopores for ultra-stable potassium-ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 3119-3127	13	19
35	Recent Progress on the Development of Engineered Silica Particles Derived from Rice Husk. *Sustainability*, **2020**, 12, 10683	3.6	14
34	Transition effect of under- and over-potentially deposited hydrogen and negative resistance at a poly-Rh/alkaline aqueous solution interface. *International Journal of Hydrogen Energy*, **2020**, 45, 1429-1434	6.7	0
33	ON/OFF Switchable Nanocomposite Membranes for Separations. *Polymers*, **2020**, 12,	4.5	2

32	Synthesis of ordered mesoporous silica with various pore structures using high-purity silica extracted from rice husk. *Journal of Industrial and Engineering Chemistry*, **2020**, 81, 135-143	6.3	20
31	Isotopic Shifts of the Frumkin and Temkin Adsorption Isotherms of H and D at Pt/Alkaline Solution Interfaces: Analysis Using the Phase-Shift Method. *Journal of the Electrochemical Society*, **2019**, 166, H243-H249	3.9	4
30	Microwave-assisted solvothermal synthesis of sodium metal fluoride (NaxMFy) nanopowders. *Journal of the American Ceramic Society*, **2019**, 102, 6475-6479	3.8	3
29	Rational design of Li3VO4@carbon core–shell nanoparticles as Li-ion hybrid supercapacitor anode materials. *Journal of Materials Chemistry A*, **2017**, 5, 20969-20977	13	26
28	Solvothermal synthesis of sodium cobalt fluoride (NaCoF3) nanoparticle clusters. *Materials Letters*, **2017**, 207, 89-92	3.3	6
27	General Synthesis of N-Doped Macroporous Graphene-Encapsulated Mesoporous Metal Oxides and Their Application as New Anode Materials for Sodium-Ion Hybrid Supercapacitors. *Advanced Functional Materials*, **2017**, 27, 1603921	15.6	106
26	Nitrogen and Fluorine Co-doped Activated Carbon for Supercapacitors. *Journal of Electrochemical Science and Technology*, **2017**, 8, 338-343	3.2	10
25	Ammonium Fluoride Mediated Synthesis of Anhydrous Metal Fluoride-Mesoporous Carbon Nanocomposites for High-Performance Lithium Ion Battery Cathodes. *ACS Applied Materials & Interfaces*, **2016**, 8, 35180-35190	9.5	49
24	High-Performance Sodium-Ion Hybrid Supercapacitor Based on Nb2O5@Carbon Core–Shell Nanoparticles and Reduced Graphene Oxide Nanocomposites. *Advanced Functional Materials*, **2016**, 26, 3711-3719	15.6	312
23	Review on the Determination of Frumkin, Langmuir, and Temkin Adsorption Isotherms at Electrode/Solution Interfaces Using the Phase-Shift Method and Correlation Constants. *Korean Chemical Engineering Research*, **2016**, 54, 734-745		6
22	Facile Synthesis of Nb2O5@Carbon Core-Shell Nanocrystals with Controlled Crystalline Structure for High-Power Anodes in Hybrid Supercapacitors. *ACS Nano*, **2015**, 9, 7497-505	16.7	340
21	Mesoporous Ge/GeO2/Carbon Lithium-Ion Battery Anodes with High Capacity and High Reversibility. *ACS Nano*, **2015**, 9, 5299-309	16.7	141
20	Highly mesoporous silicon derived from waste iron slag for high performance lithium ion battery anodes. *Journal of Materials Chemistry A*, **2015**, 3, 21899-21906	13	26
19	One pot synthesis of mesoporous boron nitride using polystyrene-b-poly(ethylene oxide) block copolymer. *RSC Advances*, **2015**, 5, 6528-6535	3.7	21
18	Reversibility of Lithium-Ion–Air Batteries Using Lithium Intercalation Compounds as Anodes. *ChemPlusChem*, **2015**, 80, 349-353	2.8	5
17	Advanced hybrid supercapacitor based on a mesoporous niobium pentoxide/carbon as high-performance anode. *ACS Nano*, **2014**, 8, 8968-78	16.7	339
16	Block Copolymer Directed Ordered Mesostructured TiNb2O7 Multimetallic Oxide Constructed of Nanocrystals as High Power Li-Ion Battery Anodes. *Chemistry of Materials*, **2014**, 26, 3508-3514	9.6	137
15	TiO2 nanodisks designed for Li-ion batteries: a novel strategy for obtaining an ultrathin and high surface area anode material at the ice interface. *Energy and Environmental Science*, **2013**, 6, 2932	35.4	90

14	Using waste Li ion batteries as cathodes in rechargeable Li-liquid batteries. *Physical Chemistry Chemical Physics*, **2013**, 15, 7036-40	3.6	9
13	Determination of the Frumkin and Temkin Adsorption Isotherms of Underpotentially Deposited Hydrogen at Pt Group Metal Interfaces Using the Standard Gibbs Energy of Adsorption and Correlation Constants. *Journal of the Korean Electrochemical Society*, **2013**, 16, 211-216		3
12	Magnetite/mesocellular carbon foam as a magnetically recoverable fenton catalyst for removal of phenol and arsenic. *Chemosphere*, **2012**, 89, 1230-7	8.4	68
11	A study of the palladium size effect on the direct synthesis of hydrogen peroxide from hydrogen and oxygen using highly uniform palladium nanoparticles supported on carbon. *Korean Journal of Chemical Engineering*, **2012**, 29, 1115-1118	2.8	12
10	Sorption of Pb(II) and Cu(II) onto multi-amine grafted mesoporous silica embedded with nano-magnetite: effects of steric factors. *Journal of Hazardous Materials*, **2012**, 239-240, 183-91	12.8	43
9	Highly Improved Rate Capability for a Lithium-Ion Battery Nano-Li4Ti5O12 Negative Electrode via Carbon-Coated Mesoporous Uniform Pores with a Simple Self-Assembly Method. *Advanced Functional Materials*, **2011**, 21, 4349-4357	15.6	241
8	Determination of the Adsorption Isotherms of Overpotentially Deposited Hydrogen on a Pt□ Alloy in H2SO4Aqueous Solution Using the Phase-Shift Method and Correlation Constants. *Journal of Chemical & Engineering Data*, **2011**, 56, 251-258	2.8	3
7	Easy access to efficient magnetically recyclable separation of histidine-tagged proteins using superparamagnetic nickel ferrite nanoparticle clusters. *Journal of Materials Chemistry*, **2011**, 21, 6713		30
6	Determination of Adsorption Isotherms of Hydroxide and Deuteroxide on Pt□ Alloy in LiOH Solutions Using the Phase-Shift Method and Correlation Constants. *Journal of Chemical & Engineering Data*, **2010**, 55, 3825-3833	2.8	6
5	Determination of the Adsorption Isotherms of Hydrogen and Deuterium Isotopes on a Pt□ Alloy in LiOH Solutions Using the Phase-Shift Method and Correlation Constants. *Journal of Chemical & Engineering Data*, **2010**, 55, 5598-5607	2.8	8
4	Determination of Adsorption Isotherms of Overpotentially Deposited Hydrogen on Platinum and Iridium in KOH Aqueous Solution Using the Phase-Shift Method and Correlation Constants. *Journal of Chemical & Engineering Data*, **2010**, 55, 2363-2372	2.8	6
3	Various Synthetic Methods for One-Dimensional Semiconductor Nanowires/Nanorods and Their Applications in Photovoltaic Devices. *European Journal of Inorganic Chemistry*, **2010**, 2010, 4251-4263	2.3	31
2	Soft-template synthesized ordered mesoporous carbon counter electrodes for dye-sensitized solar cells. *Carbon*, **2010**, 48, 4563-4565	10.4	53
1	Simplified synthesis of spherical silica microparticles from rice husk. *Chemical Engineering and Technology*,	2	