

Jinyoung Chun

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6723406/jinyoung-chun-publications-by-citations.pdf>

Version: 2024-04-19

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.

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	Facile Synthesis of Nb ₂ O ₅ @Carbon Core-Shell Nanocrystals with Controlled Crystalline Structure for High-Power Anodes in Hybrid Supercapacitors. <i>ACS Nano</i> , 2015 , 9, 7497-505	16.7	340
48	Advanced hybrid supercapacitor based on a mesoporous niobium pentoxide/carbon as high-performance anode. <i>ACS Nano</i> , 2014 , 8, 8968-78	16.7	339
47	High-Performance Sodium-Ion Hybrid Supercapacitor Based on Nb ₂ O ₅ @Carbon CoreShell Nanoparticles and Reduced Graphene Oxide Nanocomposites. <i>Advanced Functional Materials</i> , 2016 , 26, 3711-3719	15.6	312
46	Highly Improved Rate Capability for a Lithium-Ion Battery Nano-Li ₄ Ti ₅ O ₁₂ Negative Electrode via Carbon-Coated Mesoporous Uniform Pores with a Simple Self-Assembly Method. <i>Advanced Functional Materials</i> , 2011 , 21, 4349-4357	15.6	241
45	Mesoporous Ge/GeO ₂ /Carbon Lithium-Ion Battery Anodes with High Capacity and High Reversibility. <i>ACS Nano</i> , 2015 , 9, 5299-309	16.7	141
44	Block Copolymer Directed Ordered Mesostructured TiNb ₂ O ₇ Multimetallic Oxide Constructed of Nanocrystals as High Power Li-Ion Battery Anodes. <i>Chemistry of Materials</i> , 2014 , 26, 3508-3514	9.6	137
43	General Synthesis of N-Doped Macroporous Graphene-Encapsulated Mesoporous Metal Oxides and Their Application as New Anode Materials for Sodium-Ion Hybrid Supercapacitors. <i>Advanced Functional Materials</i> , 2017 , 27, 1603921	15.6	106
42	TiO ₂ nanodisks designed for Li-ion batteries: a novel strategy for obtaining an ultrathin and high surface area anode material at the ice interface. <i>Energy and Environmental Science</i> , 2013 , 6, 2932	35.4	90
41	Magnetite/mesocellular carbon foam as a magnetically recoverable fenton catalyst for removal of phenol and arsenic. <i>Chemosphere</i> , 2012 , 89, 1230-7	8.4	68
40	Soft-template synthesized ordered mesoporous carbon counter electrodes for dye-sensitized solar cells. <i>Carbon</i> , 2010 , 48, 4563-4565	10.4	53
39	Ammonium Fluoride Mediated Synthesis of Anhydrous Metal Fluoride-Mesoporous Carbon Nanocomposites for High-Performance Lithium Ion Battery Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35180-35190	9.5	49
38	Sorption of Pb(II) and Cu(II) onto multi-amine grafted mesoporous silica embedded with nano-magnetite: effects of steric factors. <i>Journal of Hazardous Materials</i> , 2012 , 239-240, 183-91	12.8	43
37	Various Synthetic Methods for One-Dimensional Semiconductor Nanowires/Nanorods and Their Applications in Photovoltaic Devices. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 4251-4263	2.3	31
36	Easy access to efficient magnetically recyclable separation of histidine-tagged proteins using superparamagnetic nickel ferrite nanoparticle clusters. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6713		30
35	Mesoporous carbon host material for stable lithium metal anode. <i>Nanoscale</i> , 2020 , 12, 11818-11824	7.7	28
34	Highly mesoporous silicon derived from waste iron slag for high performance lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21899-21906	13	26
33	Rational design of Li ₃ VO ₄ @carbon coreShell nanoparticles as Li-ion hybrid supercapacitor anode materials. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20969-20977	13	26

32	One pot synthesis of mesoporous boron nitride using polystyrene-b-poly(ethylene oxide) block copolymer. <i>RSC Advances</i> , 2015 , 5, 6528-6535	3.7	21
31	Synthesis of ordered mesoporous silica with various pore structures using high-purity silica extracted from rice husk. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 81, 135-143	6.3	20
30	A small-strain niobium nitride anode with ordered mesopores for ultra-stable potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3119-3127	13	19
29	Recent Progress on the Development of Engineered Silica Particles Derived from Rice Husk. <i>Sustainability</i> , 2020 , 12, 10683	3.6	14
28	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. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 1115-1118	2.8	12
27	Nitrogen and Fluorine Co-doped Activated Carbon for Supercapacitors. <i>Journal of Electrochemical Science and Technology</i> , 2017 , 8, 338-343	3.2	10
26	Facile approach for the synthesis of spherical mesoporous silica nanoparticles from sodium silicate. <i>Materials Letters</i> , 2021 , 283, 128765	3.3	10
25	Recent advances in the synthesis of mesoporous materials and their application to lithium-ion batteries and hybrid supercapacitors. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 227-247	2.8	10
24	Using waste Li ion batteries as cathodes in rechargeable Li-liquid batteries. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 7036-40	3.6	9
23	Determination of the Adsorption Isotherms of Hydrogen and Deuterium Isotopes on a Pt ₁₁ Alloy in LiOH Solutions Using the Phase-Shift Method and Correlation Constants. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5598-5607	2.8	8
22	A biopolymer-based functional separator for stable Li metal batteries with an additive-free commercial electrolyte. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7774-7781	13	7
21	Solvothermal synthesis of sodium cobalt fluoride (NaCoF ₃) nanoparticle clusters. <i>Materials Letters</i> , 2017 , 207, 89-92	3.3	6
20	Determination of Adsorption Isotherms of Hydroxide and Deuterioxide on Pt ₁₁ Alloy in LiOH Solutions Using the Phase-Shift Method and Correlation Constants. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3825-3833	2.8	6
19	Determination of Adsorption Isotherms of Overpotentially Deposited Hydrogen on Platinum and Iridium in KOH Aqueous Solution Using the Phase-Shift Method and Correlation Constants. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2363-2372	2.8	6
18	Review on the Determination of Frumkin, Langmuir, and Temkin Adsorption Isotherms at Electrode/Solution Interfaces Using the Phase-Shift Method and Correlation Constants. <i>Korean Chemical Engineering Research</i> , 2016 , 54, 734-745		6
17	Residual silica removal and nanopore generation on industrial waste silicon using ammonium fluoride and its application to lithium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2021 , 419, 129389	14.7	6
16	Synthesis of Sodium Cobalt Fluoride/Reduced Graphene Oxide (NaCoF/rGO) Nanocomposites and Investigation of Their Electrochemical Properties as Cathodes for Li-Ion Batteries. <i>Materials</i> , 2021 , 14,	3.5	6
15	Reversibility of Lithium-Ion Air Batteries Using Lithium Intercalation Compounds as Anodes. <i>ChemPlusChem</i> , 2015 , 80, 349-353	2.8	5

14	Isotopic Shifts of the Frumkin and Temkin Adsorption Isotherms of H and D at Pt/Alkaline Solution Interfaces: Analysis Using the Phase-Shift Method. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H2433-H2439	3.9	4
13	Microwave-assisted solvothermal synthesis of sodium metal fluoride (Na _x MF _y) nanopowders. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 6475-6479	3.8	3
12	Determination of the Adsorption Isotherms of Overpotentially Deposited Hydrogen on a PtIr Alloy in H ₂ SO ₄ Aqueous Solution Using the Phase-Shift Method and Correlation Constants. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 251-258	2.8	3
11	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. <i>Journal of the Korean Electrochemical Society</i> , 2013 , 16, 211-216		3
10	Alkaline Fractionation and Subsequent Production of Nano-Structured Silica and Cellulose Nano-Fibrils for the Comprehensive Utilization of Rice Husk. <i>Sustainability</i> , 2021 , 13, 1951	3.6	3
9	Nickel fluoride (NiF ₂)/porous carbon nanocomposite synthesized via ammonium fluoride (NH ₄ F) treatment for lithium-ion battery cathode applications. <i>Journal of Power Sources</i> , 2022 , 521, 230935	8.9	2
8	ON/OFF Switchable Nanocomposite Membranes for Separations. <i>Polymers</i> , 2020 , 12,	4.5	2
7	Two-Stage Continuous Process for the Extraction of Silica from Rice Husk Using Attrition Ball Milling and Alkaline Leaching Methods. <i>Sustainability</i> , 2021 , 13, 7350	3.6	2
6	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. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 8125-8131	6.7	1
5	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. <i>Journal of Alloys and Compounds</i> , 2021 , 873, 159771	5.7	1
4	Transition effect of under- and over-potentially deposited hydrogen and negative resistance at a poly-Rh/alkaline aqueous solution interface. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 1429-1434	6.7	0
3	Dual Behavior of Dispersed Ni Nanoparticles for Hydrogen Evolution Reaction at the Interface of Ni/Alkaline Solution. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 096512	3.9	0
2	On-demand solid-state artistic ultrahigh areal energy density microsupercapacitors. <i>Energy Storage Materials</i> , 2022 , 47, 569-578	19.4	0
1	Simplified synthesis of spherical silica microparticles from rice husk. <i>Chemical Engineering and Technology</i> ,	2	