

# Do-Hwan Nam

## List of Publications by Year in descending order

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37  
papers

2,274  
citations

279778

23  
h-index

302107

39  
g-index

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all docs

39  
docs citations

39  
times ranked

3217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical and photoelectrochemical approaches for the selective removal, recovery, and valorization of chloride ions. <i>Chemical Engineering Journal</i> , 2021, 404, 126378.	12.7	20
2	Electrochemical Redox Cells Capable of Desalination and Energy Storage: Addressing Challenges of the Water–Energy Nexus. <i>ACS Energy Letters</i> , 2021, 6, 1034-1044.	17.4	37
3	A seawater battery with desalination capabilities enabling a dual-purpose aqueous energy storage system. <i>Energy Storage Materials</i> , 2021, 37, 556-566.	18.0	14
4	Elucidating Structure–Composition–Property Relationships of Ni-Based Prussian Blue Analogues for Electrochemical Seawater Desalination. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 36014-36025.	8.0	27
5	Tandem Desalination/Salination Strategies Enabling the Use of Redox Couples for Efficient and Sustainable Electrochemical Desalination. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 38641-38647.	8.0	23
6	A Desalination Battery Combining $\text{Cu}_3[\text{Fe}(\text{CN})_6]_2$ as a Na-Storage Electrode and Bi as a Cl-Storage Electrode Enabling Membrane-Free Desalination. <i>Chemistry of Materials</i> , 2019, 31, 1460-1468.	6.7	70
7	A Comparative Study of Nickel, Cobalt, and Iron Oxyhydroxide Anodes for the Electrochemical Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid. <i>ACS Catalysis</i> , 2019, 9, 660-670.	11.2	254
8	Fabrication of $\text{Na}_0.7\text{MnO}_2/\text{C}$ composite cathode material by simple heat treatment for high-power Na-ion batteries. <i>Electronic Materials Letters</i> , 2018, 14, 30-36.	2.2	6
9	Copper-Based Catalytic Anodes To Produce 2,5-Furandicarboxylic Acid, a Biomass-Derived Alternative to Terephthalic Acid. <i>ACS Catalysis</i> , 2018, 8, 1197-1206.	11.2	218
10	Electrochemical Desalination Using Bi/BiOCl Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15455-15462.	6.7	39
11	Effects of Centerline Segregation of Cr Carbides and Non-Metallic Inclusions on the Pitting Corrosion of Fe-13Cr-0.3C Stainless Steel Produced by Continuous Casting and Strip Casting. <i>Corrosion</i> , 2017, 73, 979-987.	1.1	2
12	Effects of the degradation of methane sulfonic acid electrolyte on the collapse failure of Sn–Ag alloy solders for flip-chip interconnections. <i>RSC Advances</i> , 2017, 7, 23136-23142.	3.6	10
13	Microstructure evolution of novel Sn islands prepared by electrodeposition as anode materials for lithium rechargeable batteries. <i>RSC Advances</i> , 2017, 7, 30428-30432.	3.6	1
14	One-step synthesis of multilayered 2D Sn nanodendrites as a high-performance anode material for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20304-20315.	10.3	21
15	Bismuth as a New Chloride-Storage Electrode Enabling the Construction of a Practical High Capacity Desalination Battery. <i>Journal of the American Chemical Society</i> , 2017, 139, 11055-11063.	13.7	212
16	Fabrication of tin-cobalt/carbon composite electrodes by electrodeposition using cationic surfactant for lithium-ion batteries. <i>Electronic Materials Letters</i> , 2016, 12, 622-627.	2.2	11
17	Synergetic effects of edge formation and sulfur doping on the catalytic activity of a graphene-based catalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14400-14407.	10.3	30
18	Cobalt-carbon nanofibers as an efficient support-free catalyst for oxygen reduction reaction with a systematic study of active site formation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14284-14290.	10.3	77

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19	Electrochemically Synthesized Sb/Sb <sub>2</sub> O <sub>3</sub> Composites as High-Capacity Anode Materials Utilizing a Reversible Conversion Reaction for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 17264-17271.	8.0	87
20	High-Performance Sb/Sb <sub>2</sub> O <sub>3</sub> Anode Materials Using a Polypyrrole Nanowire Network for Na-Ion Batteries. Small, 2015, 11, 2885-2892.	10.0	105
21	Synergistic effects of coumarin and cis-2-butene-1,4-diol on high speed electrodeposition of nickel. Surface and Coatings Technology, 2014, 248, 30-37.	4.8	19
22	One-step synthesis of a Si/CNT/polypyrrole composite film by electrochemical deposition. RSC Advances, 2014, 4, 10212.	3.6	11
23	Structural enhancement of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite cathode materials by pillar ion doping for high power and long cycle life sodium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 19623-19632.	10.3	156
24	Template-Free Electrochemical Synthesis of Sn Nanofibers as High-Performance Anode Materials for Na-Ion Batteries. ACS Nano, 2014, 8, 11824-11835.	14.6	123
25	Carbon nanotubes/aluminum composite as a hydrogen source for PEMFC. International Journal of Hydrogen Energy, 2014, 39, 19416-19423.	7.1	23
26	Electrochemical Properties of Electrodeposited Sn Anodes for Na-Ion Batteries. Journal of Physical Chemistry C, 2014, 118, 20086-20093.	3.1	62
27	Electrochemical synthesis of a three-dimensional porous Sb/Cu <sub>2</sub> Sb anode for Na-ion batteries. Journal of Power Sources, 2014, 247, 423-427.	7.8	101
28	Electrochemical Migration Behavior of a Fine-Pitch IC Substrate by Alternating Current. Journal of Nanoscience and Nanotechnology, 2014, 14, 8258-8263.	0.9	3
29	Facile synthesis of SnO <sub>2</sub> -polypyrrole hybrid nanowires by cathodic electrodeposition and their application to Li-ion battery anodes. RSC Advances, 2013, 3, 16102.	3.6	29
30	Single-step synthesis of polypyrrole nanowires by cathodic electropolymerization. Journal of Materials Chemistry A, 2013, 1, 8061.	10.3	54
31	Highly Reversible Sn-Co Alloy Anode Using Porous Cu Foam Substrate for Li-Ion Batteries. Journal of the Electrochemical Society, 2012, 159, A1822-A1826.	2.9	32
32	Electrochemical performance of a smooth and highly ordered TiO <sub>2</sub> nanotube electrode for Li-ion batteries. Electrochimica Acta, 2012, 61, 19-24.	5.2	97
33	Electrochemical performances of Sn anode electrodeposited on porous Cu foam for Li-ion batteries. Electrochimica Acta, 2012, 66, 126-132.	5.2	111
34	Effects of (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> and BTA on the nanostructure of copper foam prepared by electrodeposition. Electrochimica Acta, 2011, 56, 9397-9405.	5.2	86
35	Characterization of hydrogen generation for fuel cells via borane hydrolysis using an electroless-deposited Co-P/Ni foam catalyst. Journal of Power Sources, 2010, 195, 2830-2834.	7.8	52
36	Electrochemical performance of a tin electrodeposit with a multi-layered structure for Li-ion batteries. Journal of Power Sources, 2010, 195, 5067-5070.	7.8	23

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37	Effects of Substrate Morphology and Postelectrodeposition on Structure of Cu Foam and Their Application for Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2010, 157, D269.	2.9	24