

# Jin Koo Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,326  
citations

393982

19  
h-index

580395

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1698  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic framework-derived CoSe <sub>2</sub> /(NiCo)Se <sub>2</sub> box-in-box hollow nanocubes with enhanced electrochemical properties for sodium-ion storage and hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18823-18830.	5.2	213
2	Excellent sodium-ion storage performances of CoSe <sub>2</sub> nanoparticles embedded within N-doped porous graphitic carbon nanocube/carbon nanotube composite. <i>Chemical Engineering Journal</i> , 2017, 328, 546-555.	6.6	187
3	Rational Design and Synthesis of Extremely Efficient Macroporous CoSe <sub>2</sub> -CNT Composite Microspheres for Hydrogen Evolution Reaction. <i>Small</i> , 2017, 13, 1700068.	5.2	116
4	Dual Role of Multiroom-Structured Sn-Doped NiO Microspheres for Ultrasensitive and Highly Selective Detection of Xylene. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16605-16612.	4.0	96
5	Encapsulation of Se into Hierarchically Porous Carbon Microspheres with Optimized Pore Structure for Advanced Na-Se and K-Se Batteries. <i>ACS Nano</i> , 2020, 14, 13203-13216.	7.3	86
6	A MOF-mediated strategy for constructing human backbone-like CoMoS <sub>3</sub> @N-doped carbon nanostructures with multiple voids as a superior anode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13751-13761.	5.2	85
7	Electrochemical properties of uniquely structured Fe <sub>2</sub> O <sub>3</sub> and FeSe <sub>2</sub> /graphitic-carbon microrods synthesized by applying a metal-organic framework. <i>Chemical Engineering Journal</i> , 2018, 334, 2440-2449.	6.6	64
8	Recent Advances in Heterostructured Anode Materials with Multiple Anions for Advanced Alkali-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003058.	10.2	60
9	Uniquely structured composite microspheres of metal sulfides and carbon with cubic nanorooms for highly efficient anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2636-2645.	5.2	50
10	Hierarchical Tubular-Structured MoSe <sub>2</sub> Nanosheets/N-Doped Carbon Nanocomposite with Enhanced Sodium Storage Properties. <i>ChemSusChem</i> , 2020, 13, 1546-1555.	3.6	45
11	Scalable green synthesis of hierarchically porous carbon microspheres by spray pyrolysis for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 382, 122805.	6.6	40
12	Three-dimensionally ordered mesoporous multicomponent (Ni, Mo) metal oxide/N-doped carbon composite with superior Li-ion storage performance. <i>Nanoscale</i> , 2018, 10, 18734-18741.	2.8	35
13	Metal-organic framework-templated hollow Co <sub>3</sub> O <sub>4</sub> nanosphere aggregate/N-doped graphitic carbon composite powders showing excellent lithium-ion storage performances. <i>Materials Characterization</i> , 2017, 132, 320-329.	1.9	33
14	A General Solution to Mitigate Water Poisoning of Oxide Chemiresistors: Bilayer Sensors with Tb <sub>4</sub> O <sub>7</sub> Overlay. <i>Advanced Functional Materials</i> , 2021, 31, 2007895.	7.8	33
15	Structure-optimized CoP-carbon nanotube composite microspheres synthesized by spray pyrolysis for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2018, 763, 652-661.	2.8	32
16	Electrochemical properties of multicomponent oxide and selenide microspheres containing Co and Mo components with several tens of vacant nanorooms synthesized by spray pyrolysis. <i>Chemical Engineering Journal</i> , 2018, 333, 665-677.	6.6	30
17	Advances in the synthesis and design of nanostructured materials by aerosol spray processes for efficient energy storage. <i>Nanoscale</i> , 2019, 11, 19012-19057.	2.8	30
18	Amorphous Molybdenum Sulfide on Three-Dimensional Hierarchical Hollow Microspheres Comprising Bamboo-like N-Doped Carbon Nanotubes as a Highly Active Hydrogen Evolution Reaction Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12706-12715.	3.2	28

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19	Recent Advances in Aerosol-Assisted Spray Processes for the Design and Fabrication of Nanostructured Metal Chalcogenides for Sodium-Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3127-3140.	1.7	19
20	Sodium-ion storage performances of MoS <sub>2</sub> nanocrystals coated with N-doped carbon synthesized by flame spray pyrolysis. <i>Applied Surface Science</i> , 2020, 523, 146470.	3.1	11
21	Germanium Nanoparticle-Dispersed Reduced Graphene Oxide Balls Synthesized by Spray Pyrolysis for Li-Ion Battery Anode. <i>Journal of the Korean Ceramic Society</i> , 2019, 56, 65-70.	1.1	9
22	Electrochemical properties of amorphous GeO <sub>x</sub> -C composite microspheres prepared by a one-pot spray pyrolysis process. <i>Ceramics International</i> , 2017, 43, 5534-5540.	2.3	7
23	Uniquely structured iron hydroxide-carbon nanospheres with yolk-shell and hollow structures and their excellent lithium-ion storage performances. <i>Applied Surface Science</i> , 2021, 542, 148637.	3.1	6
24	Deliberate introduction of mesopores into microporous activated carbon toward efficient Se cathode of Na <sup>+</sup> /Se <sup>2-</sup> batteries. <i>International Journal of Energy Research</i> , 2022, 46, 3396-3408.	2.2	6
25	Uniquely structured quaternary metal oxide polyhedra as efficient anode materials for lithium-ion batteries. <i>Applied Surface Science</i> , 2020, 509, 144918.	3.1	5