Jin Koo Kim

List of Publications by Year in descending order

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	Deliberate introduction of mesopores into microporous activated carbon toward efficient Se cathode of <scp>Naâ€'Se</scp> batteries. International Journal of Energy Research, 2022, 46, 3396-3408.	2.2	6
2	A General Solution to Mitigate Water Poisoning of Oxide Chemiresistors: Bilayer Sensors with Tb₄O₇ Overlayer. Advanced Functional Materials, 2021, 31, 2007895.	7.8	33
3	Recent Advances in Heterostructured Anode Materials with Multiple Anions for Advanced Alkaliâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2003058.	10.2	60
4	Uniquely structured iron hydroxide-carbon nanospheres with yolk-shell and hollow structures and their excellent lithium-ion storage performances. Applied Surface Science, 2021, 542, 148637.	3.1	6
5	Scalable green synthesis of hierarchically porous carbon microspheres by spray pyrolysis for high-performance supercapacitors. Chemical Engineering Journal, 2020, 382, 122805.	6.6	40
6	Hierarchical Tubularâ€Structured MoSe₂ Nanosheets/Nâ€Doped Carbon Nanocomposite with Enhanced Sodium Storage Properties. ChemSusChem, 2020, 13, 1546-1555.	3.6	45
7	Uniquely structured quaternary metal oxide polyhedra as efficient anode materials for lithium-ion batteries. Applied Surface Science, 2020, 509, 144918.	3.1	5
8	Encapsulation of Se into Hierarchically Porous Carbon Microspheres with Optimized Pore Structure for Advanced Naâ€“Se and Kâ€“Se Batteries. ACS Nano, 2020, 14, 13203-13216.	7.3	86
9	Sodium-ion storage performances of MoS2 nanocrystals coated with N-doped carbon synthesized by flame spray pyrolysis. Applied Surface Science, 2020, 523, 146470.	3.1	11
10	Advances in the synthesis and design of nanostructured materials by aerosol spray processes for efficient energy storage. Nanoscale, 2019, 11, 19012-19057.	2.8	30
11	Recent Advances in Aerosolâ€Assisted Spray Processes for the Design and Fabrication of Nanostructured Metal Chalcogenides for Sodiumâ€Ion Batteries. Chemistry - an Asian Journal, 2019, 14, 3127-3140.	1.7	19
12	Uniquely structured composite microspheres of metal sulfides and carbon with cubic nanorooms for highly efficient anode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 2636-2645.	5.2	50
13	A MOF-mediated strategy for constructing human backbone-like CoMoS₃@N-doped carbon nanostructures with multiple voids as a superior anode for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 13751-13761.	5.2	85
14	Germanium Nanoparticle-Dispersed Reduced Graphene Oxide Balls Synthesized by Spray Pyrolysis for Li-Ion Battery Anode. Journal of the Korean Ceramic Society, 2019, 56, 65-70.	1.1	9
15	Dual Role of Multiroom-Structured Sn-Doped NiO Microspheres for Ultrasensitive and Highly Selective Detection of Xylene. ACS Applied Materials & Interfaces, 2018, 10, 16605-16612.	4.0	96
16	Electrochemical properties of multicomponent oxide and selenide microspheres containing Co and Mo components with several tens of vacant nanorooms synthesized by spray pyrolysis. Chemical Engineering Journal, 2018, 333, 665-677.	6.6	30
17	Electrochemical properties of uniquely structured Fe2O3 and FeSe2/graphitic-carbon microrods synthesized by applying a metal-organic framework. Chemical Engineering Journal, 2018, 334, 2440-2449.	6.6	64
18	Three-dimensionally ordered mesoporous multicomponent (Ni, Mo) metal oxide/N-doped carbon composite with superior Li-ion storage performance. Nanoscale, 2018, 10, 18734-18741.	2.8	35

#	Article	IF	Citations
19	Amorphous Molybdenum Sulfide on Three-Dimensional Hierarchical Hollow Microspheres Comprising Bamboo-like N-Doped Carbon Nanotubes as a Highly Active Hydrogen Evolution Reaction Catalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 12706-12715.	3.2	28
20	Structure-optimized CoP-carbon nanotube composite microspheres synthesized by spray pyrolysis for hydrogen evolution reaction. Journal of Alloys and Compounds, 2018, 763, 652-661.	2.8	32
21	Electrochemical properties of amorphous GeO x -C composite microspheres prepared by a one-pot spray pyrolysis process. Ceramics International, 2017, 43, 5534-5540.	2.3	7
22	Rational Design and Synthesis of Extremely Efficient Macroporous CoSe₂-CNT Composite Microspheres for Hydrogen Evolution Reaction. Small, 2017, 13, 1700068.	5.2	116
23	Metalâ€“organic framework-templated hollow Co3O4 nanosphere aggregate/N-doped graphitic carbon composite powders showing excellent lithium-ion storage performances. Materials Characterization, 2017, 132, 320-329.	1.9	33
24	Excellent sodium-ion storage performances of CoSe2 nanoparticles embedded within N-doped porous graphitic carbon nanocube/carbon nanotube composite. Chemical Engineering Journal, 2017, 328, 546-555.	6.6	187
25	Metalâ€“organic framework-derived CoSe₂/(NiCo)Se₂ box-in-box hollow nanocubes with enhanced electrochemical properties for sodium-ion storage and hydrogen evolution. Journal of Materials Chemistry A, 2017, 5, 18823-18830.	5.2	213