Seung Ho Choi

List of Publications by Citations

66 papers	3,561 citations	34 h-index	59 g-index
68 ext. papers	3,855 ext. citations	8.3 avg, IF	6.12 L-index

#	Paper	IF	Citations
66	3D MoS2/Graphene Microspheres Consisting of Multiple Nanospheres with Superior Sodium Ion Storage Properties. *Advanced Functional Materials*, **2015**, 25, 1780-1788	15.6	436
65	Hierarchical MoSe2 yolk-shell microspheres with superior Na-ion storage properties. *Nanoscale*, **2014**, 6, 10511-5	7.7	208
64	Eco-Friendly Composite of FeO-Reduced Graphene Oxide Particles for Efficient Enzyme Immobilization. *ACS Applied Materials & Interfaces*, **2017**, 9, 2213-2222	9.5	153
63	Yolk-shell, hollow, and single-crystalline ZnCo(2)O(4) powders: preparation using a simple one-pot process and application in lithium-ion batteries. *ChemSusChem*, **2013**, 6, 2111-6	8.3	128
62	Large-scale aerosol-assisted synthesis of biofriendly Fe3O4 yolk-shell particles: a promising support for enzyme immobilization. *Nanoscale*, **2016**, 8, 6728-38	7.7	119
61	Sodium ion storage properties of WSe2-decorated three-dimensional reduced graphene oxide microspheres. *Nanoscale*, **2015**, 7, 3965-70	7.7	119
60	Crumpled graphene-molybdenum oxide composite powders: preparation and application in lithium-ion batteries. *ChemSusChem*, **2014**, 7, 523-8	8.3	116
59	Fullerene-like MoSe2 nanoparticles-embedded CNT balls with excellent structural stability for highly reversible sodium-ion storage. *Nanoscale*, **2016**, 8, 4209-16	7.7	114
58	Synthesis for yolk-shell-structured metal sulfide powders with excellent electrochemical performances for lithium-ion batteries. *Small*, **2014**, 10, 474-8	11	113
57	Hollow Cobalt Selenide Microspheres: Synthesis and Application as Anode Materials for Na-Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 6449-56	9.5	105
56	Aerosol-assisted rapid synthesis of SnS-C composite microspheres as anode material for Na-ion batteries. *Nano Research*, **2015**, 8, 1595-1603	10	104
55	Recent Progress on Spray Pyrolysis for High Performance Electrode Materials in Lithium and Sodium Rechargeable Batteries. *Advanced Energy Materials*, **2017**, 7, 1601578	21.8	92
54	Synergetic Effect of Yolk-Shell Structure and Uniform Mixing of SnS-MoS2 Nanocrystals for Improved Na-Ion Storage Capabilities. *ACS Applied Materials & Interfaces*, **2015**, 7, 24694-702	9.5	92
53	Perforated Metal Oxide-Carbon Nanotube Composite Microspheres with Enhanced Lithium-Ion Storage Properties. *ACS Nano*, **2015**, 9, 10173-85	16.7	84
52	Ultrafast synthesis of yolk-shell and cubic NiO Nanopowders and application in lithium ion batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 2312-6	9.5	81
51	Electrochemical properties of yolk-shell structured ZnFe2O4 powders prepared by a simple spray drying process as anode material for lithium-ion battery. *Scientific Reports*, **2014**, 4, 5857	4.9	75
50	Trimodally porous SnO2 nanospheres with three-dimensional interconnectivity and size tunability: a one-pot synthetic route and potential application as an extremely sensitive ethanol detector. *NPG Asia Materials*, **2016**, 8, e244-e244	10.3	64

49	Fe3O4-decorated hollow graphene balls prepared by spray pyrolysis process for ultrafast and long cycle-life lithium ion batteries. *Carbon*, **2014**, 79, 58-66	10.4	63
48	Three-dimensional porous graphene-metal oxide composite microspheres: Preparation and application in Li-ion batteries. *Nano Research*, **2015**, 8, 1584-1594	10	63
47	Preparation of yolk-shell and filled Co9S8 microspheres and comparison of their electrochemical properties. *Chemistry - an Asian Journal*, **2014**, 9, 572-6	4.5	63
46	Amorphous GeOx-Coated Reduced Graphene Oxide Balls with Sandwich Structure for Long-Life Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 13952-9	9.5	56
45	Synergetic compositional and morphological effects for improved Na+ storage properties of NiCo□S□-reduced graphene oxide composite powders. *Nanoscale*, **2015**, 7, 6230-7	7.7	53
44	Yolk-shelled cathode materials with extremely high electrochemical performances prepared by spray pyrolysis. *Nanoscale*, **2013**, 5, 7867-71	7.7	53
43	Superior electrochemical properties of LiMn2O4 yolk-shell powders prepared by a simple spray pyrolysis process. *Chemical Communications*, **2013**, 49, 5978-80	5.8	51
42	One-pot facile synthesis of Janus-structured SnO2-CuO composite nanorods and their application as anode materials in Li-ion batteries. *Nanoscale*, **2013**, 5, 4662-8	7.7	49
41	Using simple spray pyrolysis to prepare yolk-shell-structured ZnO-Mn3O4 systems with the optimum composition for superior electrochemical properties. *Chemistry - A European Journal*, **2014**, 20, 3014-8	4.8	48
40	Uniform decoration of vanadium oxide nanocrystals on reduced graphene-oxide balls by an aerosol process for lithium-ion battery cathode material. *Chemistry - A European Journal*, **2014**, 20, 6294-9	4.8	42
39	Highly Elastic Polyrotaxane Binders for Mechanically Stable Lithium Hosts in Lithium-Metal Batteries. *Advanced Materials*, **2019**, 31, e1901645	24	39
38	Electrochemical properties of tungsten sulfide-carbon composite microspheres prepared by spray pyrolysis. *Scientific Reports*, **2014**, 4, 5755	4.9	39
37	One-pot rapid synthesis of core-shell structured NiO@TiO2 nanopowders and their excellent electrochemical properties as anode materials for lithium ion batteries. *Nanoscale*, **2013**, 5, 12645-50	7.7	37
36	Effects of ratios of Li2MnO3 and Li(Ni1/3Mn1/3Co1/3)O2 phases on the properties of composite cathode powders in spray pyrolysis. *Electrochimica Acta*, **2013**, 103, 110-118	6.7	36
35	Electrochemical properties of graphene-MnO composite and hollow-structured MnO powders prepared by a simple one-pot spray pyrolysis process. *Electrochimica Acta*, **2014**, 132, 441-447	6.7	35
34	Building high-rate silicon anodes based on hierarchical Si@C@CNT nanocomposite. *Journal of Alloys and Compounds*, **2019**, 791, 1105-1113	5.7	34
33	Kilogram-scale production of SnO(2) yolk-shell powders by a spray-drying process using dextrin as carbon source and drying additive. *Chemistry - A European Journal*, **2014**, 20, 5835-9	4.8	34
32	Macroporous Fe3O4/carbon composite microspheres with a short Li+ diffusion pathway for the fast charge/discharge of lithium ion batteries. *Chemistry - A European Journal*, **2014**, 20, 11078-83	4.8	34

31	One-pot method for synthesizing spherical-like metal sulfide-reduced graphene oxide composite powders with superior electrochemical properties for lithium-ion batteries. *Chemistry - A European Journal*, **2014**, 20, 12183-9	4.8	34
30	One-pot synthesis of manganese oxide-carbon composite microspheres with three dimensional channels for Li-ion batteries. *Scientific Reports*, **2014**, 4, 5751	4.9	33
29	One-Pot Formation of Sb-Carbon Microspheres with Graphene Sheets: Potassium-Ion Storage Properties and Discharge Mechanisms. *ACS Applied Materials & Interfaces*, **2019**, 11, 27973-27981	9.5	32
28	Polystyrene-Templated Aerosol Synthesis of MoS2 -Amorphous Carbon Composite with Open Macropores as Battery Electrode. *ChemSusChem*, **2015**, 8, 2260-7	8.3	32
27	Rapid continuous synthesis of spherical reduced graphene ball-nickel oxide composite for lithium ion batteries. *Scientific Reports*, **2014**, 4, 5786	4.9	29
26	Marginal Magnesium Doping for High-Performance Lithium Metal Batteries. *Advanced Energy Materials*, **2019**, 9, 1902278	21.8	26
25	Electrochemical properties of ZrO2-doped V2O5 amorphous powders with spherical shape and fine size. *ACS Applied Materials & Interfaces*, **2013**, 5, 3234-40	9.5	24
24	Facile synthesis of multi-shell structured binary metal oxide powders with a Ni/Co mole ratio of 1:2 for Li-Ion batteries. *Journal of Power Sources*, **2015**, 284, 481-488	8.9	23
23	Superior lithium-ion storage properties of si-based composite powders with unique Si@carbon@void@graphene configuration. *Chemistry - A European Journal*, **2015**, 21, 2076-82	4.8	23
22	Enhanced Li+ storage properties of few-layered MoS2-C composite microspheres embedded with Si nanopowder. *Nano Research*, **2015**, 8, 2492-2502	10	21
21	Electrochemical properties of tin oxide flake/reduced graphene oxide/carbon composite powders as anode materials for lithium-ion batteries. *Chemistry - A European Journal*, **2014**, 20, 15203-7	4.8	20
20	Preparation and electrochemical properties of glass-modified LiCoO2 cathode powders. *Journal of Power Sources*, **2013**, 244, 129-135	8.9	20
19	Electrochemical properties of Li2O⍰B2O3 glass-modified LiMn2O4 powders prepared by spray pyrolysis process. *Journal of Power Sources*, **2012**, 210, 110-115	8.9	19
18	Electrochemical properties of spherically shaped dense V2O5 cathode powders prepared directly by spray pyrolysis. *Journal of Power Sources*, **2012**, 211, 84-91	8.9	19
17	Electrochemical properties of ultrafine TiO2-doped MoO3 nanoplates prepared by one-pot flame spray pyrolysis. *RSC Advances*, **2014**, 4, 17382	3.7	19
16	Excellent electrochemical properties of yolk-shell LiV3O8 powder and its potential as cathodic material for lithium-ion batteries. *Chemistry - A European Journal*, **2013**, 19, 17305-9	4.8	19
15	Controllable synthesis of yolk-shell-structured metal oxides with seven to ten components for finding materials with superior lithium storage properties. *Nanoscale*, **2014**, 6, 12421-5	7.7	18
14	One-pot Aerosol Synthesis of Carbon Nanotube-Zn2GeO4 Composite Microspheres for Enhanced Lithium-ion Storage Properties. *Electrochimica Acta*, **2016**, 190, 766-774	6.7	15

13	Characteristics of Li2TiO3–LiCrO2 composite cathode powders prepared by ultrasonic spray pyrolysis. *Journal of Power Sources*, **2013**, 244, 336-343	8.9	14
12	Li2O–B2O3–CeO2 glass as a high performance anode material for rechargeable lithium-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 6860-6866	13	13
11	Effect of boric acid on the properties of Li2MnO3–LiNi0.5Mn0.5O2 composite cathode powders prepared by large-scale spray pyrolysis with droplet classifier. *Materials Research Bulletin*, **2012**, 47, 4359-4364	5.1	11
10	Electrochemical properties of nanometer-sized 0.6Li2MnO3·0.4LiNi0.5Mn0.5O2 composite powders prepared by flame spray pyrolysis. *Ceramics International*, **2013**, 39, 331-336	5.1	9
9	Superior supercapacitor properties of composite powders with amorphous NiO nanoclusters distributed uniformly in an amorphous carbon matrix. *Chemistry - an Asian Journal*, **2014**, 9, 2453-7	4.5	8
8	Nano-sized Ag–BaTiO3 composite powders with various amount of Ag prepared by spray pyrolysis. *Journal of the European Ceramic Society*, **2013**, 33, 1335-1341	6	8
7	Porous carbon microspheres with highly graphitized structure for potassium-ion storage. *Journal of Colloid and Interface Science*, **2020**, 577, 48-53	9.3	8
6	Capacitive properties of reduced graphene oxide microspheres with uniformly dispersed nickel sulfide nanocrystals prepared by spray pyrolysis. *Electrochimica Acta*, **2015**, 167, 287-293	6.7	7
5	Facile synthesis of macroporous SnS microspheres as a potential anode material for enhanced sodium ion batteries. *Journal of Industrial and Engineering Chemistry*, **2019**, 80, 130-135	6.3	7
4	Dielectric properties of nano-sized Ba0.7Sr0.3TiO3 powders prepared by spray pyrolysis. *Ceramics International*, **2012**, 38, 4029-4033	5.1	7
3	Characteristics of BaO–B2O3–SiO2 nano glass powders prepared by flame spray pyrolysis as the sintering agent of BaTiO3 ceramics. *Journal of Alloys and Compounds*, **2011**, 509, 7979-7984	5.7	6
2	Core–shell-structure Ag–BaTiO3 composite nanopowders prepared directly by flame spray pyrolysis. *Materials Chemistry and Physics*, **2013**, 140, 266-272	4.4	4
1	Electrolyte Modulators towards Polarization Mitigated Lithium-Ion Batteries for Sustainable Electric Transportation. *Advanced Materials*, **2021**, e2107787	24	1