

Seung Ho Choi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Electrolyte Modulators towards Polarization Mitigated Lithium-Ion Batteries for Sustainable Electric Transportation. <i>Advanced Materials</i> , 2021 , e2107787	24	1
65	Porous carbon microspheres with highly graphitized structure for potassium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 48-53	9.3	8
64	Marginal Magnesium Doping for High-Performance Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1902278	21.8	26
63	Highly Elastic Polyrotaxane Binders for Mechanically Stable Lithium Hosts in Lithium-Metal Batteries. <i>Advanced Materials</i> , 2019 , 31, e1901645	24	39
62	Building high-rate silicon anodes based on hierarchical Si@C@CNT nanocomposite. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 1105-1113	5.7	34
61	One-Pot Formation of Sb-Carbon Microspheres with Graphene Sheets: Potassium-Ion Storage Properties and Discharge Mechanisms. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27973-27981	9.5	32
60	Facile synthesis of macroporous SnS microspheres as a potential anode material for enhanced sodium ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 80, 130-135	6.3	7
59	Li ₂ O-B ₂ O ₃ -TeO ₂ glass as a high performance anode material for rechargeable lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6860-6866	13	13
58	Eco-Friendly Composite of FeO-Reduced Graphene Oxide Particles for Efficient Enzyme Immobilization. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2213-2222	9.5	153
57	Recent Progress on Spray Pyrolysis for High Performance Electrode Materials in Lithium and Sodium Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1601578	21.8	92
56	Fullerene-like MoSe ₂ nanoparticles-embedded CNT balls with excellent structural stability for highly reversible sodium-ion storage. <i>Nanoscale</i> , 2016 , 8, 4209-16	7.7	114
55	Trimodally porous SnO ₂ nanospheres with three-dimensional interconnectivity and size tunability: a one-pot synthetic route and potential application as an extremely sensitive ethanol detector. <i>NPG Asia Materials</i> , 2016 , 8, e244-e244	10.3	64
54	Large-scale aerosol-assisted synthesis of biofriendly Fe ₃ O ₄ /yolk-shell particles: a promising support for enzyme immobilization. <i>Nanoscale</i> , 2016 , 8, 6728-38	7.7	119
53	Hollow Cobalt Selenide Microspheres: Synthesis and Application as Anode Materials for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6449-56	9.5	105
52	One-pot Aerosol Synthesis of Carbon Nanotube-Zn ₂ GeO ₄ Composite Microspheres for Enhanced Lithium-ion Storage Properties. <i>Electrochimica Acta</i> , 2016 , 190, 766-774	6.7	15
51	Synergetic compositional and morphological effects for improved Na ⁺ storage properties of NiCoB-Reduced graphene oxide composite powders. <i>Nanoscale</i> , 2015 , 7, 6230-7	7.7	53
50	Facile synthesis of multi-shell structured binary metal oxide powders with a Ni/Co mole ratio of 1:2 for Li-Ion batteries. <i>Journal of Power Sources</i> , 2015 , 284, 481-488	8.9	23

49	Aerosol-assisted rapid synthesis of SnS-C composite microspheres as anode material for Na-ion batteries. <i>Nano Research</i> , 2015 , 8, 1595-1603	10	104
48	Capacitive properties of reduced graphene oxide microspheres with uniformly dispersed nickel sulfide nanocrystals prepared by spray pyrolysis. <i>Electrochimica Acta</i> , 2015 , 167, 287-293	6.7	7
47	Synergetic Effect of Yolk-Shell Structure and Uniform Mixing of SnS-MoS ₂ Nanocrystals for Improved Na-Ion Storage Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24694-702	9.5	92
46	Perforated Metal Oxide-Carbon Nanotube Composite Microspheres with Enhanced Lithium-Ion Storage Properties. <i>ACS Nano</i> , 2015 , 9, 10173-85	16.7	84
45	Superior lithium-ion storage properties of Si-based composite powders with unique Si@carbon@void@graphene configuration. <i>Chemistry - A European Journal</i> , 2015 , 21, 2076-82	4.8	23
44	Polystyrene-Templated Aerosol Synthesis of MoS ₂ -Amorphous Carbon Composite with Open Macropores as Battery Electrode. <i>ChemSusChem</i> , 2015 , 8, 2260-7	8.3	32
43	Amorphous GeO _x -Coated Reduced Graphene Oxide Balls with Sandwich Structure for Long-Life Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 13952-9	9.5	56
42	Enhanced Li ⁺ storage properties of few-layered MoS ₂ -C composite microspheres embedded with Si nanopowder. <i>Nano Research</i> , 2015 , 8, 2492-2502	10	21
41	Three-dimensional porous graphene-metal oxide composite microspheres: Preparation and application in Li-ion batteries. <i>Nano Research</i> , 2015 , 8, 1584-1594	10	63
40	Sodium ion storage properties of WS ₂ -decorated three-dimensional reduced graphene oxide microspheres. <i>Nanoscale</i> , 2015 , 7, 3965-70	7.7	119
39	3D MoS ₂ @Graphene Microspheres Consisting of Multiple Nanospheres with Superior Sodium Ion Storage Properties. <i>Advanced Functional Materials</i> , 2015 , 25, 1780-1788	15.6	436
38	Electrochemical properties of tungsten sulfide-carbon composite microspheres prepared by spray pyrolysis. <i>Scientific Reports</i> , 2014 , 4, 5755	4.9	39
37	Rapid continuous synthesis of spherical reduced graphene ball-nickel oxide composite for lithium ion batteries. <i>Scientific Reports</i> , 2014 , 4, 5786	4.9	29
36	One-pot synthesis of manganese oxide-carbon composite microspheres with three dimensional channels for Li-ion batteries. <i>Scientific Reports</i> , 2014 , 4, 5751	4.9	33
35	Electrochemical properties of yolk-shell structured ZnFe ₂ O ₄ powders prepared by a simple spray drying process as anode material for lithium-ion battery. <i>Scientific Reports</i> , 2014 , 4, 5857	4.9	75
34	Crumpled graphene-molybdenum oxide composite powders: preparation and application in lithium-ion batteries. <i>ChemSusChem</i> , 2014 , 7, 523-8	8.3	116
33	Kilogram-scale production of SnO ₂ yolk-shell powders by a spray-drying process using dextrin as carbon source and drying additive. <i>Chemistry - A European Journal</i> , 2014 , 20, 5835-9	4.8	34
32	Controllable synthesis of yolk-shell-structured metal oxides with seven to ten components for finding materials with superior lithium storage properties. <i>Nanoscale</i> , 2014 , 6, 12421-5	7.7	18

31	Using simple spray pyrolysis to prepare yolk-shell-structured ZnO-Mn ₃ O ₄ systems with the optimum composition for superior electrochemical properties. <i>Chemistry - A European Journal</i> , 2014 , 20, 3014-8	4.8	48
30	Superior supercapacitor properties of composite powders with amorphous NiO nanoclusters distributed uniformly in an amorphous carbon matrix. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2453-7	4.5	8
29	Ultrafast synthesis of yolk-shell and cubic NiO Nanopowders and application in lithium ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2312-6	9.5	81
28	Hierarchical MoSe ₂ /yolk-shell microspheres with superior Na-ion storage properties. <i>Nanoscale</i> , 2014 , 6, 10511-5	7.7	208
27	Fe ₃ O ₄ -decorated hollow graphene balls prepared by spray pyrolysis process for ultrafast and long cycle-life lithium ion batteries. <i>Carbon</i> , 2014 , 79, 58-66	10.4	63
26	Electrochemical properties of graphene-MnO composite and hollow-structured MnO powders prepared by a simple one-pot spray pyrolysis process. <i>Electrochimica Acta</i> , 2014 , 132, 441-447	6.7	35
25	Electrochemical properties of tin oxide flake/reduced graphene oxide/carbon composite powders as anode materials for lithium-ion batteries. <i>Chemistry - A European Journal</i> , 2014 , 20, 15203-7	4.8	20
24	Macroporous Fe ₃ O ₄ /carbon composite microspheres with a short Li ⁺ diffusion pathway for the fast charge/discharge of lithium ion batteries. <i>Chemistry - A European Journal</i> , 2014 , 20, 11078-83	4.8	34
23	One-pot method for synthesizing spherical-like metal sulfide-reduced graphene oxide composite powders with superior electrochemical properties for lithium-ion batteries. <i>Chemistry - A European Journal</i> , 2014 , 20, 12183-9	4.8	34
22	Uniform decoration of vanadium oxide nanocrystals on reduced graphene-oxide balls by an aerosol process for lithium-ion battery cathode material. <i>Chemistry - A European Journal</i> , 2014 , 20, 6294-9	4.8	42
21	Preparation of yolk-shell and filled Co ₉ S ₈ microspheres and comparison of their electrochemical properties. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 572-6	4.5	63
20	Synthesis for yolk-shell-structured metal sulfide powders with excellent electrochemical performances for lithium-ion batteries. <i>Small</i> , 2014 , 10, 474-8	11	113
19	Electrochemical properties of ultrafine TiO ₂ -doped MoO ₃ nanoplates prepared by one-pot flame spray pyrolysis. <i>RSC Advances</i> , 2014 , 4, 17382	3.7	19
18	Yolk-shell, hollow, and single-crystalline ZnCo ₂ O ₄ powders: preparation using a simple one-pot process and application in lithium-ion batteries. <i>ChemSusChem</i> , 2013 , 6, 2111-6	8.3	128
17	One-pot facile synthesis of Janus-structured SnO ₂ -CuO composite nanorods and their application as anode materials in Li-ion batteries. <i>Nanoscale</i> , 2013 , 5, 4662-8	7.7	49
16	Effects of ratios of Li ₂ MnO ₃ and Li(Ni _{1/3} Mn _{1/3} Co _{1/3})O ₂ phases on the properties of composite cathode powders in spray pyrolysis. <i>Electrochimica Acta</i> , 2013 , 103, 110-118	6.7	36
15	Preparation and electrochemical properties of glass-modified LiCoO ₂ cathode powders. <i>Journal of Power Sources</i> , 2013 , 244, 129-135	8.9	20
14	One-pot rapid synthesis of core-shell structured NiO@TiO ₂ nanopowders and their excellent electrochemical properties as anode materials for lithium ion batteries. <i>Nanoscale</i> , 2013 , 5, 12645-50	7.7	37

13	Characteristics of $\text{Li}_2\text{TiO}_3/\text{LiCrO}_2$ composite cathode powders prepared by ultrasonic spray pyrolysis. <i>Journal of Power Sources</i> , 2013 , 244, 336-343	8.9	14
12	Yolk-shelled cathode materials with extremely high electrochemical performances prepared by spray pyrolysis. <i>Nanoscale</i> , 2013 , 5, 7867-71	7.7	53
11	Superior electrochemical properties of LiMn_2O_4 yolk-shell powders prepared by a simple spray pyrolysis process. <i>Chemical Communications</i> , 2013 , 49, 5978-80	5.8	51
10	Electrochemical properties of nanometer-sized $0.6\text{Li}_2\text{MnO}_3/0.4\text{LiNi}_0.5\text{Mn}_0.5\text{O}_2$ composite powders prepared by flame spray pyrolysis. <i>Ceramics International</i> , 2013 , 39, 331-336	5.1	9
9	Core-shell-structure Ag/BaTiO_3 composite nanopowders prepared directly by flame spray pyrolysis. <i>Materials Chemistry and Physics</i> , 2013 , 140, 266-272	4.4	4
8	Electrochemical properties of ZrO_2 -doped V_2O_5 amorphous powders with spherical shape and fine size. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3234-40	9.5	24
7	Nano-sized Ag/BaTiO_3 composite powders with various amount of Ag prepared by spray pyrolysis. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 1335-1341	6	8
6	Excellent electrochemical properties of yolk-shell LiV_3O_8 powder and its potential as cathodic material for lithium-ion batteries. <i>Chemistry - A European Journal</i> , 2013 , 19, 17305-9	4.8	19
5	Electrochemical properties of $\text{Li}_2\text{O}/\text{B}_2\text{O}_3$ glass-modified LiMn_2O_4 powders prepared by spray pyrolysis process. <i>Journal of Power Sources</i> , 2012 , 210, 110-115	8.9	19
4	Electrochemical properties of spherically shaped dense V_2O_5 cathode powders prepared directly by spray pyrolysis. <i>Journal of Power Sources</i> , 2012 , 211, 84-91	8.9	19
3	Effect of boric acid on the properties of $\text{Li}_2\text{MnO}_3/\text{LiNi}_0.5\text{Mn}_0.5\text{O}_2$ composite cathode powders prepared by large-scale spray pyrolysis with droplet classifier. <i>Materials Research Bulletin</i> , 2012 , 47, 4359-4364 ¹¹	5.1	11
2	Dielectric properties of nano-sized $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ powders prepared by spray pyrolysis. <i>Ceramics International</i> , 2012 , 38, 4029-4033	5.1	7
1	Characteristics of $\text{BaO}/\text{B}_2\text{O}_3/\text{SiO}_2$ nano glass powders prepared by flame spray pyrolysis as the sintering agent of BaTiO_3 ceramics. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7979-7984	5.7	6