Young Jun Hong

List of Publications by Year
in descending order

44 papers	2,470 citations	201385 27 h-index	253896 43 g-index
45 all docs	45 docs citations	45 times ranked	3618 citing authors

#	Article	IF	Citations
1	Design and Synthesis of Bubble-Nanorod-Structured Fe₂O₃â€“Carbon Nanofibers as Advanced Anode Material for Li-Ion Batteries. ACS Nano, 2015, 9, 4026-4035.	7.3	426
2	Oneâ€Pot Facile Synthesis of Doubleâ€Shelled SnO₂ Yolkâ€Shellâ€Structured Powders by Continuous Process as Anode Materials for Liâ€ion Batteries. Advanced Materials, 2013, 25, 2279-2283.	11.1	378
3	A New Strategy for Humidity Independent Oxide Chemiresistors: Dynamic Selfâ€Refreshing of In₂O₃ Sensing Surface Assisted by Layerâ€byâ€Layer Coated CeO₂ Nanoclusters. Small, 2016, 12, 4229-4240.	5.2	195
4	Oneâ€Pot Synthesis of Pdâ€Loaded SnO₂ Yolkâ€“Shell Nanostructures for Ultraselective Methyl Benzene Sensors. Chemistry - A European Journal, 2014, 20, 2737-2741.	1.7	93
5	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.	1.6	88
6	Highly sensitive and selective detection of ppb-level NO 2 using multi-shelled WO 3 yolkâ€“shell spheres. Sensors and Actuators B: Chemical, 2016, 229, 561-569.	4.0	80
7	One-pot synthesis of Fe2O3 yolkâ€“shell particles with two, three, and four shells for application as an anode material in lithium-ion batteries. Nanoscale, 2013, 5, 11592.	2.8	65
8	Design and synthesis of micron-sized spherical aggregates composed of hollow Fe₂O₃nanospheres for use in lithium-ion batteries. Nanoscale, 2015, 7, 8361-8367.	2.8	65
9	ÂA New Concept for Obtaining SnO₂ Fiberâ€inâ€Tube Nanostructures with Superior Electrochemical Properties. Chemistry - A European Journal, 2015, 21, 371-376.	1.7	61
10	Superior electrochemical properties of Co3O4 yolkâ€“shell powders with a filled core and multishells prepared by a one-pot spray pyrolysis. Chemical Communications, 2013, 49, 5678.	2.2	59
11	Yolkâ€“shelled cathode materials with extremely high electrochemical performances prepared by spray pyrolysis. Nanoscale, 2013, 5, 7867.	2.8	58
12	High performance chemiresistive H₂S sensors using Ag-loaded SnO₂ yolkâ€“shell nanostructures. RSC Advances, 2014, 4, 16067-16074.	1.7	58
13	Selenium-impregnated hollow carbon microspheres as efficient cathode materials for lithium-selenium batteries. Carbon, 2017, 111, 198-206.	5.4	58
14	Kilogram-Scale Synthesis of Pd-Loaded Quintuple-Shelled Co₃O₄ Microreactors and Their Application to Ultrasensitive and Ultraselective Detection of Methylbenzenes. ACS Applied Materials & Interfaces, 2015, 7, 7717-7723.	4.0	56
15	Electrochemical properties of yolkâ€“shell and hollow CoMn2O4 powders directly prepared by continuous spray pyrolysis as negative electrode materials for lithium ion batteries. RSC Advances, 2013, 3, 13110.	1.7	54
16	Oneâ€Pot Synthesis of Yolkâ€“Shell Materials with Single, Binary, Ternary, Quaternary, and Quinary Systems. Small, 2013, 9, 2224-2227.	5.2	54
17	General Formation of Tin Nanoparticles Encapsulated in Hollow Carbon Spheres for Enhanced Lithium Storage Capability. Small, 2015, 11, 2157-2163.	5.2	48
18	Yolkâ€“shell carbon microspheres with controlled yolk and void volumes and shell thickness and their application as a cathode material for Liâ€“S batteries. Journal of Materials Chemistry A, 2017, 5, 988-995.	5.2	46

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19	Sodium-ion storage performance of hierarchically structured (Co_{1/3}Fe_{2/3})Se₂nanofibers with fiber-in-tube nanostructures. Journal of Materials Chemistry A, 2016, 4, 15471-15477.	5.2	42
20	Rationally designed microspheres consisting of yolkâ€“shell structured FeSe₂â€“Fe₂O₃ nanospheres covered with graphitic carbon for lithium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 15182-15190.	5.2	42
21	Electrochemical Properties of Yolkâ€Shell, Hollow, and Dense WO₃ Particles Prepared by using Spray Pyrolysis. ChemSusChem, 2013, 6, 1320-1325.	3.6	41
22	Highly Active and Stable Pt-Loaded Ce_{0.75}Zr_{0.25}O₂ Yolkâ€“Shell Catalyst for Waterâ€“Gas Shift Reaction. ACS Applied Materials & Interfaces, 2016, 8, 17239-17244.	4.0	36
23	Strategy for yolk-shell structured metal oxide-carbon composite powders and their electrochemical properties for lithium-ion batteries. Carbon, 2016, 100, 137-144.	5.4	35
24	One-pot synthesis of coreâ€“shell-structured tin oxideâ€“carbon composite powders by spray pyrolysis for use as anode materials in Li-ion batteries. Carbon, 2015, 88, 262-269.	5.4	34
25	Mesoporous graphitic carbon microspheres with a controlled amount of amorphous carbon as an efficient Se host material for Liâ€“Se batteries. Journal of Materials Chemistry A, 2018, 6, 4152-4160.	5.2	34
26	Electrochemical Properties of Fiberâ€inâ€Tubeâ€and Filledâ€Structured TiO₂ Nanofiber Anode Materials for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2015, 21, 11082-11087.	1.7	31
27	Formation of coreâ€“shell-structured Zn2SnO4â€“carbon microspheres with superior electrochemical properties by one-pot spray pyrolysis. Nanoscale, 2015, 7, 701-707.	2.8	31
28	Superior Electrochemical Properties of Nanofibers Composed of Hollow CoFe₂O₄ Nanospheres Covered with Onionâ€Like Graphitic Carbon. Chemistry - A European Journal, 2015, 21, 18202-18208.	1.7	26
29	Electrochemical properties of Li2Oâ€“2B2O3 glass-modified LiMn2O4 powders prepared by spray pyrolysis process. Journal of Power Sources, 2012, 210, 110-115.	4.0	25
30	Electrochemical Properties of Yolkâ€“Shellâ€Structured CuOâ€“Fe₂O₃ Powders with Various Cu/Fe Molar Ratios Prepared by Oneâ€Pot Spray Pyrolysis. ChemSusChem, 2013, 6, 2299-2303.	3.6	20
31	A new general approach to synthesizing filled and yolkâ€“shell structured metal oxide microspheres by applying a carbonaceous template. Nanoscale, 2017, 9, 17991-17999.	2.8	20
32	Preparation of nanometer AlN powders by combining spray pyrolysis with carbothermal reduction and nitridation. Ceramics International, 2011, 37, 1967-1971.	2.3	18
33	Electrochemical properties of 0.3Li2MnO3Â·0.7LiNi0.5Mn0.5O2 composite cathode powders prepared by large-scale spray pyrolysis. Materials Research Bulletin, 2012, 47, 2022-2026.	2.7	15
34	Alkali resistant Ni-loaded yolk-shell catalysts for direct internal reforming in molten carbonate fuel cells. Journal of Power Sources, 2017, 352, 1-8.	4.0	14
35	Superior lithium-ion storage performances of carbonaceous microspheres with high electrical conductivity and uniform distribution of Fe and TiO ultrafine nanocrystals for Li-S batteries. Carbon, 2018, 126, 394-403.	5.4	13
36	Carbon-templated strategy toward the synthesis of dense and yolk-shell multi-component transition metal oxide cathode microspheres for high-performance Li ion batteries. Journal of Power Sources, 2020, 461, 228115.	4.0	13

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37	Characteristics of stabilized spinel cathode powders obtained by in-situ coating method. Journal of Power Sources, 2013, 244, 625-630.	4.0	9
38	Batteries: Oneâ€Pot Facile Synthesis of Doubleâ€Shelled SnO₂ Yolkâ€Shellâ€Structured Powders by Continuous Process as Anode Materials for Liâ€ion Batteries (Adv. Mater. 16/2013). Advanced Materials, 2013, 25, 2250-2250.	11.1	8
39	Superior electrochemical performances of double-shelled CuO yolkâ€“shell powders formed from spherical copper nitrateâ€“polyvinylpyrrolidone composite powders. RSC Advances, 2014, 4, 58231-58237.	1.7	6
40	Fine-sized Tb3Al5O12:Ce phosphor powders prepared by spray pyrolysis from spray solution with ethylenediaminetetraacetic acid. Electronic Materials Letters, 2012, 8, 283-287.	1.0	5
41	Superior electrochemical properties of micron-sized aggregates of (Co0.5Fe0.5)3O4 hollow nanospheres and graphitic carbon. Chemical Engineering Journal, 2018, 346, 351-360.	6.6	5
42	Size-controlled glass frits with spherical shape for Al electrodes in Si solar cells. Journal of the Ceramic Society of Japan, 2011, 119, 954-960.	0.5	1
43	Properties of La0.8Sr0.2Ga0.8Mg0.2O2.8 electrolyte formed from the nano-sized powders prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2011, 119, 752-756.	0.5	0
44	Yolk-Shell Materials: One-Pot Synthesis of Yolk-Shell Materials with Single, Binary, Ternary, Quaternary, and Quinary Systems (Small 13/2013). Small, 2013, 9, 2223-2223.	5.2	0