Yun Chan Kang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/368269/publications.pdf

Version: 2024-02-01

		7096	22166
645	24,438	78	113
papers	citations	h-index	g-index

658	658	658	18688
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D MoS₂â€“Graphene Microspheres Consisting of Multiple Nanospheres with Superior Sodium Ion Storage Properties. Advanced Functional Materials, 2015, 25, 1780-1788.	14.9	482
2	Design and Synthesis of Bubble-Nanorod-Structured Fe₂O₃â€“Carbon Nanofibers as Advanced Anode Material for Li-Ion Batteries. ACS Nano, 2015, 9, 4026-4035.	14.6	426
3	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.	21.0	378
4	Design of selective gas sensors using electrospun Pd-doped SnO2 hollow nanofibers. Sensors and Actuators B: Chemical, 2010, 150, 191-199.	7.8	227
5	Hierarchical MoSe₂yolkâ€“shell microspheres with superior Na-ion storage properties. Nanoscale, 2014, 6, 10511.	5.6	227
6	Quorum sensing inhibitors as antipathogens: biotechnological applications. Biotechnology Advances, 2019, 37, 68-90.	11.7	215
7	YAG:Ce phosphor particles prepared by ultrasonic spray pyrolysis. Materials Research Bulletin, 2000, 35, 789-798.	5.2	213
8	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.	10.3	213
9	Eco-Friendly Composite of Fe₃O₄-Reduced Graphene Oxide Particles for Efficient Enzyme Immobilization. ACS Applied Materials & Interfaces, 2017, 9, 2213-2222.	8.0	205
10	Preparation of Y2O3:Eu Phosphor Particles of Filled Morphology at High Precursor Concentrations by Spray Pyrolysis. Advanced Materials, 2000, 12, 451-453.	21.0	196
11	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.	10.0	195
12	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.	12.7	187
13	MoSe₂ Embedded CNT-Reduced Graphene Oxide Composite Microsphere with Superior Sodium Ion Storage and Electrocatalytic Hydrogen Evolution Performances. ACS Applied Materials & Interfaces, 2017, 9, 10673-10683.	8.0	174
14	Ultraselective and ultrasensitive detection of H2S in highly humid atmosphere using CuO-loaded SnO2 hollow spheres for real-time diagnosis of halitosis. Sensors and Actuators B: Chemical, 2014, 194, 371-376.	7.8	164
15	MOF-Templated N-Doped Carbon-Coated CoSe₂ Nanorods Supported on Porous CNT Microspheres with Excellent Sodium-Ion Storage and Electrocatalytic Properties. ACS Applied Materials & Interfaces, 2018, 10, 17203-17213.	8.0	164
16	SiO2 microparticles with carbon nanotube-derived mesopores as an efficient support for enzyme immobilization. Chemical Engineering Journal, 2019, 359, 1252-1264.	12.7	154
17	One-Pot Facile Synthesis of Ant-Cave-Structured Metal Oxideâ€“Carbon Microballs by Continuous Process for Use as Anode Materials in Li-Ion Batteries. Nano Letters, 2013, 13, 5462-5466.	9.1	151
18	Sodium-ion storage properties of nickel sulfide hollow nanospheres/reduced graphene oxide composite powders prepared by a spray drying process and the nanoscale Kirkendall effect. Nanoscale, 2015, 7, 16781-16788.	5.6	150

#	Article	IF	Citations
19	First Introduction of NiSe2 to Anode Material for Sodium-Ion Batteries: A Hybrid of Graphene-Wrapped NiSe2/C Porous Nanofiber. Scientific Reports, 2016, 6, 23338.	3.3	150
20	Synthesis of cross-linked protein-metal hybrid nanoflowers and its application in repeated batch decolorization of synthetic dyes. Journal of Hazardous Materials, 2018, 347, 442-450.	12.4	145
21	Enhanced Ethanol Sensing Characteristics of In₂O₃-Decorated NiO Hollow Nanostructures via Modulation of Hole Accumulation Layers. ACS Applied Materials & Interfaces, 2014, 6, 18197-18204.	8.0	144
22	Large-scale aerosol-assisted synthesis of biofriendly Fe₂O₃yolkâ€“shell particles: a promising support for enzyme immobilization. Nanoscale, 2016, 8, 6728-6738.	5.6	144
23	Porous FeS nanofibers with numerous nanovoids obtained by Kirkendall diffusion effect for use as anode materials for sodium-ion batteries. Nano Research, 2017, 10, 897-907.	10.4	142
24	Gd2O3:Eu phosphor particles with sphericity, submicron size and non-aggregation characteristics. Journal of Physics and Chemistry of Solids, 1999, 60, 379-384.	4.0	138
25	Design of particles by spray pyrolysis and recent progress in its application. Korean Journal of Chemical Engineering, 2010, 27, 1621-1645.	2.7	137
26	Sodium ion storage properties of WS₂-decorated three-dimensional reduced graphene oxide microspheres. Nanoscale, 2015, 7, 3965-3970.	5.6	134
27	Yolkâ€“Shell, Hollow, and Singleâ€Crystalline ZnCo₂O₄ Powders: Preparation Using a Simple Oneâ€Pot Process and Application in Lithiumâ€ion Batteries. ChemSusChem, 2013, 6, 2111-2116.	6.8	133
28	Fullerene-like MoSe₂nanoparticles-embedded CNT balls with excellent structural stability for highly reversible sodium-ion storage. Nanoscale, 2016, 8, 4209-4216.	5.6	131
29	Mesoporous CoSe2 nanoclusters threaded with nitrogen-doped carbon nanotubes for high-performance sodium-ion battery anodes. Chemical Engineering Journal, 2019, 370, 1008-1018.	12.7	131
30	Electrochemical properties of ultrafine Sb nanocrystals embedded in carbon microspheres for use as Na-ion battery anode materials. Chemical Communications, 2014, 50, 12322-12324.	4.1	130
31	Hollow Cobalt Selenide Microspheres: Synthesis and Application as Anode Materials for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 6449-6456.	8.0	130
32	Synthesis for Yolkâ€shellâ€structured Metal Sulfide Powders with Excellent Electrochemical Performances for Lithiumâ€ion Batteries. Small, 2014, 10, 474-478.	10.0	127
33	Graphitic Carbon-Coated FeSe2 Hollow Nanosphere-Decorated Reduced Graphene Oxide Hybrid Nanofibers as an Efficient Anode Material for Sodium Ion Batteries. Scientific Reports, 2016, 6, 23699.	3.3	127
34	Crumpled Grapheneâ€“Molybdenum Oxide Composite Powders: Preparation and Application in Lithiumâ€ion Batteries. ChemSusChem, 2014, 7, 523-528.	6.8	126
35	Oneâ€Pot Synthesis of CoSe_xâ€“rGO Composite Powders by Spray Pyrolysis and Their Application as Anode Material for Sodiumâ€ion Batteries. Chemistry - A European Journal, 2016, 22, 4140-4146.	3.3	124
36	Highly Selective Xylene Sensor Based on NiO/NiMoO₄ Nanocomposite Hierarchical Spheres for Indoor Air Monitoring. ACS Applied Materials & Interfaces, 2016, 8, 34603-34611.	8.0	122

#	Article	IF	Citations
37	Yolkâ€“Shell Structured Assembly of Bambooâ€Like Nitrogenâ€Doped Carbon Nanotubes Embedded with Co Nanocrystals and Their Application as Cathode Material for Liâ€“S Batteries. Advanced Functional Materials, 2018, 28, 1705264.	14.9	122
38	Nanofibers Comprising Yolk-Shell Sn@void@SnO/SnO₂and Hollow SnO/SnO₂and SnO₂Nanospheres via the Kirkendall Diffusion Effect and Their Electrochemical Properties. Small, 2015, 11, 4673-4681.	10.0	119
39	Rational Design and Synthesis of Extremely Efficient Macroporous CoSe₂-CNT Composite Microspheres for Hydrogen Evolution Reaction. Small, 2017, 13, 1700068.	10.0	116
40	Aerosol-assisted rapid synthesis of SnS-C composite microspheres as anode material for Na-ion batteries. Nano Research, 2015, 8, 1595-1603.	10.4	115
41	Co9S8â€“carbon composite as anode materials with improved Na-storage performance. Carbon, 2015, 94, 85-90.	10.3	112
42	Photoluminescence characteristics of YAG:Tb phosphor particles with spherical morphology and non-aggregation. Journal of Physics and Chemistry of Solids, 1999, 60, 1855-1858.	4.0	111
43	Ultra-selective detection of sub-ppm-level benzene using Pdâ€“SnO₂ yolkâ€“shell micro-reactors with a catalytic Co₃O₄ overlayer for monitoring air quality. Journal of Materials Chemistry A, 2017, 5, 1446-1454.	10.3	111
44	A Saltâ€Templated Strategy toward Hollow Iron Selenidesâ€Graphitic Carbon Composite Microspheres with Interconnected Multicavities as Highâ€Performance Anode Materials for Sodiumâ€Ion Batteries. Small, 2019, 15, e1803043.	10.0	108
45	Highly selective and sensitive detection of trimethylamine using WO3 hollow spheres prepared by ultrasonic spray pyrolysis. Sensors and Actuators B: Chemical, 2013, 176, 971-977.	7.8	107
46	Ultraselective and ultrasensitive detection of trimethylamine using MoO3 nanoplates prepared by ultrasonic spray pyrolysis. Sensors and Actuators B: Chemical, 2014, 195, 189-196.	7.8	107
47	Synergetic Effect of Yolkâ€“Shell Structure and Uniform Mixing of SnSâ€“MoS₂ Nanocrystals for Improved Na-Ion Storage Capabilities. ACS Applied Materials & Interfaces, 2015, 7, 24694-24702.	8.0	104
48	Ultrasensitive and selective C2H5OH sensors using Rh-loaded In2O3 hollow spheres. Journal of Materials Chemistry, 2011, 21, 18560.	6.7	103
49	Selenium-infiltrated metalâ€“organic framework-derived porous carbon nanofibers comprising interconnected bimodal pores for Liâ€“Se batteries with high capacity and rate performance. Journal of Materials Chemistry A, 2018, 6, 1028-1036.	10.3	103
50	Sodiumâ€Ion Storage Properties of FeSâ€“Reduced Graphene Oxide Composite Powder with a Crumpled Structure. Chemistry - A European Journal, 2016, 22, 2769-2774.	3.3	101
51	Synthesis of Uniquely Structured SnO₂ Hollow Nanoplates and Their Electrochemical Properties for Liâ€Ion Storage. Advanced Functional Materials, 2017, 27, 1603399.	14.9	96
52	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.	8.0	96
53	Modification of Structural and Luminescence Properties of Graphene Quantum Dots by Gamma Irradiation and Their Application in a Photodynamic Therapy. ACS Applied Materials & Interfaces, 2015, 7, 25865-25874.	8.0	94
54	Oneâ€Pot Synthesis of Pdâ€Loaded SnO₂ Yolkâ€“Shell Nanostructures for Ultraselective Methyl Benzene Sensors. Chemistry - A European Journal, 2014, 20, 2737-2741.	3.3	93

#	Article	IF	Citations
55	Carbon/two-dimensional MoTe₂core/shell-structured microspheres as an anode material for Na-ion batteries. Nanoscale, 2017, 9, 1942-1950.	5.6	93
56	Zn2SiO4:Mn phosphor particles prepared by spray pyrolysis using a filter expansion aerosol generator. Materials Research Bulletin, 2000, 35, 1143-1151.	5.2	92
57	Perforated Metal Oxideâ€“Carbon Nanotube Composite Microspheres with Enhanced Lithium-Ion Storage Properties. ACS Nano, 2015, 9, 10173-10185.	14.6	91
58	Preparation of nonaggregated Y₂O₃ : Eu phosphor particles by spray pyrolysis method. Journal of Materials Research, 1999, 14, 2611-2615.	2.6	90
59	Microbial consortia for saccharification of woody biomass and ethanol fermentation. Fuel, 2013, 107, 815-822.	6.4	90
60	Ultrafast Synthesis of Yolk-Shell and Cubic NiO Nanopowders and Application in Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 2312-2316.	8.0	90
61	Simultaneous pretreatment and saccharification: Green technology for enhanced sugar yields from biomass using a fungal consortium. Bioresource Technology, 2015, 179, 50-57.	9.6	90
62	Proteinâ€“inorganic hybrid system for efficient his-tagged enzymes immobilization and its application in <scp>l</scp>-xylulose production. RSC Advances, 2017, 7, 3488-3494.	3.6	90
63	Enhanced C2H5OH sensing characteristics of nano-porous In2O3 hollow spheres prepared by sucrose-mediated hydrothermal reaction. Sensors and Actuators B: Chemical, 2011, 155, 512-518.	7.8	89
64	High brightness LaPO4:Ce,Tb phosphor particles with spherical shape. Journal of Alloys and Compounds, 2002, 347, 266-270.	5.5	88
65	Effect of surface area and crystallite size on luminescent intensity of Y2O3:Eu phosphor prepared by spray pyrolysis. Materials Letters, 2005, 59, 2451-2456.	2.6	88
66	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.	3.3	88
67	Luminescence Characteristics of â€‰Yâ€‰2SiO5â€‰:â€‰Tb Phosphor Particles Directly Prepared by the Spray Pyrolysis Method. Journal of the Electrochemical Society, 1999, 146, 1227-1230.	2.9	87
68	Insights into Cell-Free Conversion of CO₂ to Chemicals by a Multienzyme Cascade Reaction. ACS Catalysis, 2018, 8, 11085-11093.	11.2	87
69	Luminescent Properties of (Ba,Sr)MgAl10O17:Mn,Eu Green Phosphor Prepared by Spray Pyrolysis under VUV Excitation. Chemistry of Materials, 2005, 17, 2729-2734.	6.7	86
70	Design and synthesis of multiroom-structured metal compoundsâ€“carbon hybrid microspheres as anode materials for rechargeable batteries. Nano Energy, 2016, 26, 466-478.	16.0	86
71	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.	14.6	86
72	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.	10.3	85

#	Article	IF	Citations
73	Ultrasensitive detection of trimethylamine using Rh-doped SnO2 hollow spheres prepared by ultrasonic spray pyrolysis. Sensors and Actuators B: Chemical, 2015, 207, 330-337.	7.8	84
74	Rapid synthesis and decoration of reduced graphene oxide with gold nanoparticles by thermostable peptides for memory device and photothermal applications. Scientific Reports, 2017, 7, 10980.	3.3	84
75	Metal Oxide Gas Sensors with Au Nanocluster Catalytic Overlayer: Toward Tuning Gas Selectivity and Response Using a Novel Bilayer Sensor Design. ACS Applied Materials & Interfaces, 2019, 11, 32169-32177.	8.0	83
76	MOF-Derived CoSe2@N-Doped Carbon Matrix Confined in Hollow Mesoporous Carbon Nanospheres as High-Performance Anodes for Potassium-Ion Batteries. Nano-Micro Letters, 2021, 13, 9.	27.0	83
77	One-dimensional nanostructure comprising MoSe2 nanosheets and carbon with uniformly defined nanovoids as an anode for high-performance sodium-ion batteries. Chemical Engineering Journal, 2018, 351, 559-568.	12.7	82
78	Al-doped Ni-rich cathode powders prepared from the precursor powders with fine size and spherical shape. Electrochimica Acta, 2007, 52, 7286-7292.	5.2	80
79	Recent progress in electrode materials produced by spray pyrolysis for next-generation lithium ion batteries. Advanced Powder Technology, 2014, 25, 18-31.	4.1	80
80	Extremely sensitive ethanol sensor using Pt-doped SnO2 hollow nanospheres prepared by Kirkendall diffusion. Sensors and Actuators B: Chemical, 2016, 234, 353-360.	7.8	80
81	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.	7.8	80
82	Multicomponent (Mo, Ni) metal sulfide and selenide microspheres with empty nanovoids as anode materials for Na-ion batteries. Journal of Materials Chemistry A, 2017, 5, 8616-8623.	10.3	80
83	Rh-catalyzed WO₃ with anomalous humidity dependence of gas sensing characteristics. RSC Advances, 2014, 4, 53130-53136.	3.6	79
84	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.	7.9	77
85	Nano-sized hydroxyapatite powders prepared by flame spray pyrolysis. Journal of Alloys and Compounds, 2008, 464, 282-287.	5.5	75
86	UV and VUV characteristics of (YGd)2O3:Eu phosphor particles prepared by spray pyrolysis from polymeric precursors. Materials Research Bulletin, 2003, 38, 515-524.	5.2	74
87	Three-dimensional porous graphene-metal oxide composite microspheres: Preparation and application in Li-ion batteries. Nano Research, 2015, 8, 1584-1594.	10.4	74
88	Characteristics of Li3V2(PO4)3/C powders prepared by ultrasonic spray pyrolysis. Journal of Power Sources, 2011, 196, 6682-6687.	7.8	73
89	Large-scale production of spherical FeSe2-amorphous carbon composite powders as anode materials for sodium-ion batteries. Materials Characterization, 2016, 120, 349-356.	4.4	72
90	Phytoremediation of metal-contaminated soils by the hyperaccumulator canola (Brassica napus L.) and the use of its biomass for ethanol production. Fuel, 2016, 183, 107-114.	6.4	72

#	Article	IF	Citations
91	Fe3O4-decorated hollow graphene balls prepared by spray pyrolysis process for ultrafast and long cycle-life lithium ion batteries. Carbon, 2014, 79, 58-66.	10.3	71
92	Iron Telluride-Decorated Reduced Graphene Oxide Hybrid Microspheres as Anode Materials with Improved Na-Ion Storage Properties. ACS Applied Materials & Interfaces, 2016, 8, 21343-21349.	8.0	71
93	Novel cobalt oxide-nanobubble-decorated reduced graphene oxide sphere with superior electrochemical properties prepared by nanoscale Kirkendall diffusion process. Nano Energy, 2015, 17, 17-26.	16.0	70
94	Superior Na-ion storage properties of high aspect ratio SnSe nanoplates prepared by a spray pyrolysis process. Nanoscale, 2016, 8, 11889-11896.	5.6	70
95	Preparation of Yolkâ€Shell and Filled Co₉S₈ Microspheres and Comparison of their Electrochemical Properties. Chemistry - an Asian Journal, 2014, 9, 572-576.	3.3	69
96	Origin of PL intensity increase of CaMgSi2O6:Eu2+ phosphor after baking process for PDPs application. Solid State Communications, 2005, 133, 197-201.	1.9	67
97	Design and Fabrication of New Nanostructured SnO₂â€Carbon Composite Microspheres for Fast and Stable Lithium Storage Performance. Small, 2014, 10, 3240-3245.	10.0	66
98	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.	5.6	65
99	Design and synthesis of micron-sized spherical aggregates composed of hollow Fe₂O₃nanospheres for use in lithium-ion batteries. Nanoscale, 2015, 7, 8361-8367.	5.6	65
100	Na-ion Storage Performances of FeSex and Fe2O3 Hollow Nanoparticles-Decorated Reduced Graphene Oxide Balls prepared by Nanoscale Kirkendall Diffusion Process. Scientific Reports, 2016, 6, 22432.	3.3	64
101	Metal-Organic-Framework-Derived N-Doped Hierarchically Porous Carbon Polyhedrons Anchored on Crumpled Graphene Balls as Efficient Selenium Hosts for High-Performance Lithiumâ€“Selenium Batteries. ACS Applied Materials & Interfaces, 2018, 10, 16531-16540.	8.0	64
102	Scalable synthesis of NiMoO4 microspheres with numerous empty nanovoids as an advanced anode material for Li-ion batteries. Journal of Power Sources, 2018, 379, 278-287.	7.8	64
103	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.	12.7	64
104	Rattle-type porous Sn/C composite fibers with uniformly distributed nanovoids containing metallic Sn nanoparticles for high-performance anode materials in lithium-ion batteries. Nanoscale, 2018, 10, 21483-21491.	5.6	64
105	Fine-sized Y3Al5O12:Ce phosphor powders prepared by spray pyrolysis from the spray solution with barium fluoride flux. Journal of Alloys and Compounds, 2009, 477, 776-779.	5.5	63
106	Amorphous GeO_x-Coated Reduced Graphene Oxide Balls with Sandwich Structure for Long-Life Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 13952-13959.	8.0	63
107	Synthesis and electrochemical properties of spherical and hollow-structured NiO aggregates created by combining the Kirkendall effect and Ostwald ripening. Nanoscale, 2015, 7, 19620-19626.	5.6	63
108	ÂA New Concept for Obtaining SnO₂ Fiberâ€inâ€Tube Nanostructures with Superior Electrochemical Properties. Chemistry - A European Journal, 2015, 21, 371-376.	3.3	61

#	Article	IF	Citations
109	Unique structured microspheres with multishells comprising graphitic carbon-coated Fe₃O₄ hollow nanopowders as anode materials for high-performance Li-ion batteries. Journal of Materials Chemistry A, 2019, 7, 15766-15773.	10.3	61
110	Carbon-Coated Three-Dimensional MXene/Iron Selenide Ball with Coreâ€“Shell Structure for High-Performance Potassium-Ion Batteries. Nano-Micro Letters, 2022, 14, 17.	27.0	61
111	Preparation of nano-sized BaTiO3 particle by citric acid-assisted spray pyrolysis. Journal of Alloys and Compounds, 2005, 395, 280-285.	5.5	60
112	A new strategy for synthesizing yolkâ€“shell V2O5 powders with low melting temperature for high performance Li-ion batteries. Nanoscale, 2013, 5, 8899.	5.6	60
113	Recent Advances in Heterostructured Anode Materials with Multiple Anions for Advanced Alkaliâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2003058.	19.5	60
114	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.	4.1	59
115	Mesoporous graphitic carbon-TiO2 composite microspheres produced by a pilot-scale spray-drying process as an efficient sulfur host material for Li-S batteries. Chemical Engineering Journal, 2018, 335, 600-611.	12.7	59
116	A high-volume spray aerosol generator producing small droplets for low pressure applications. Journal of Aerosol Science, 1995, 26, 1131-1138.	3.8	58
117	Morphological Control of Y2O3:Eu Phosphor Particles by Adding Polymeric Precursors in Spray Pyrolysis. Japanese Journal of Applied Physics, 2002, 41, 3006-3009.	1.5	58
118	Correlation of photoluminescence of (Y, Ln)VO4:Eu3+ (Ln=Gd and La) phosphors with their crystal structures. Solid State Communications, 2005, 133, 651-656.	1.9	58
119	Nano-sized ceria particles prepared by spray pyrolysis using polymeric precursor solution. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 127, 99-104.	3.5	58
120	Yolkâ€“shelled cathode materials with extremely high electrochemical performances prepared by spray pyrolysis. Nanoscale, 2013, 5, 7867.	5.6	58
121	High performance chemiresistive H₂S sensors using Ag-loaded SnO₂ yolkâ€“shell nanostructures. RSC Advances, 2014, 4, 16067-16074.	3.6	58
122	Preparation of Hollow Fe2O3 Nanorods and Nanospheres by Nanoscale Kirkendall Diffusion, and Their Electrochemical Properties for Use in Lithium-Ion Batteries. Scientific Reports, 2016, 6, 38933.	3.3	58
123	Selenium-impregnated hollow carbon microspheres as efficient cathode materials for lithium-selenium batteries. Carbon, 2017, 111, 198-206.	10.3	58
124	An artificial synthetic pathway for acetoin, 2,3-butanediol, and 2-butanol production from ethanol using cell free multi-enzyme catalysis. Green Chemistry, 2018, 20, 230-242.	9.0	58
125	Golden Bristlegrassâ€Like Hierarchical Graphene Nanofibers Entangled with Nâ€Doped CNTs Containing CoSe₂ Nanocrystals at Each Node as Anodes for Highâ€Rate Sodiumâ€Ion Batteries. Small, 2020, 16, e2003391.	10.0	58
126	Synergetic compositional and morphological effects for improved Na⁺storage properties of Ni₃Co₆S₈-reduced graphene oxide composite powders. Nanoscale, 2015, 7, 6230-6237.	5.6	57

#	Article	IF	Citations
127	Multiphase and Double-Layer NiFe2O4@NiO-Hollow-Nanosphere-Decorated Reduced Graphene Oxide Composite Powders Prepared by Spray Pyrolysis Applying Nanoscale Kirkendall Diffusion. ACS Applied Materials & Interfaces, 2015, 7, 16842-16849.	8.0	57
128	Design and synthesis of tube-in-tube structured NiO nanobelts with superior electrochemical properties for lithium-ion storage. Chemical Engineering Journal, 2018, 347, 889-899.	12.7	57
129	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.	8.0	56
130	Highly Selective Detection of Benzene and Discrimination of Volatile Aromatic Compounds Using Oxide Chemiresistors with Tunable Rhâ€TiO₂ Catalytic Overlayers. Advanced Science, 2021, 8, 2004078.	11.2	56
131	Photocatalytic activity of nanometer size ZnO particles prepared by spray pyrolysis. Journal of Aerosol Science, 1997, 28, S473-S474.	3.8	55
132	Brightness and decay time of Zn2SiO4:Mn phosphor particles with spherical shape and fine size. Applied Physics A: Materials Science and Processing, 2003, 77, 529-532.	2.3	55
133	Superior electrochemical properties of LiMn2O4 yolkâ€“shell powders prepared by a simple spray pyrolysis process. Chemical Communications, 2013, 49, 5978.	4.1	55
134	Effects of synthesis condition on LiNiMnO cathode material for prepared by ultrasonic spray pyrolysis method. Solid State Ionics, 2005, 176, 481-486.	2.7	54
135	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.	3.6	54
136	Oneâ€Pot Synthesis of Yolkâ€“Shell Materials with Single, Binary, Ternary, Quaternary, and Quinary Systems. Small, 2013, 9, 2224-2227.	10.0	54
137	Coral-Like Yolkâ€“Shell-Structured Nickel Oxide/Carbon Composite Microspheres for High-Performance Li-Ion Storage Anodes. Nano-Micro Letters, 2019, 11, 3.	27.0	54
138	Conversion Reaction Mechanism of Ultrafine Bimetallic Coâ€Fe Selenides Embedded in Hollow Mesoporous Carbon Nanospheres and Their Excellent Kâ€Ion Storage Performance. Small, 2020, 16, e2002345.	10.0	54
139	Enhancement of methanol production from synthetic gas mixture by Methylosinus sporium through covalent immobilization. Applied Energy, 2016, 171, 383-391.	10.1	53
140	One-pot facile synthesis of Janus-structured SnO2â€“CuO composite nanorods and their application as anode materials in Li-ion batteries. Nanoscale, 2013, 5, 4662.	5.6	52
141	Phase-pure Î²-NiMoO4 yolk-shell spheres for high-performance anode materials in lithium-ion batteries. Electrochimica Acta, 2015, 174, 102-110.	5.2	52
142	Pure and Palladiumâ€Loaded Co₃O₄ Hollow Hierarchical Nanostructures with Giant and Ultraselective Chemiresistivity to Xylene and Toluene. Chemistry - A European Journal, 2015, 21, 5872-5878.	3.3	52
143	A strategy for ultrasensitive and selective detection of methylamine using p-type Cr2O3: Morphological design of sensing materials, control of charge carrier concentrations, and configurational tuning of Au catalysts. Sensors and Actuators B: Chemical, 2017, 240, 1049-1057.	7.8	52
144	LiFePO4/C cathode powders prepared by spray pyrolysis from the colloidal spray solution containing nano-sized carbon black. Materials Chemistry and Physics, 2008, 107, 328-333.	4.0	51

#	Article	IF	Citations
145	Investigation of Binary Metal (Ni, Co) Selenite as Liâ€Ion Battery Anode Materials and Their Conversion Reaction Mechanism with Li Ions. Small, 2019, 15, e1905289.	10.0	51
146	Morphological and Optical Characteristics of Y2O3:Eu Phosphor Particles Prepared by Flame Spray Pyrolysis. Japanese Journal of Applied Physics, 2001, 40, 4083-4086.	1.5	50
147	Preparation of YAG:Europium Red Phosphors by Spray Pyrolysis Using a Filterâ€Expansion Aerosol Generator. Journal of the American Ceramic Society, 1999, 82, 2056-2060.	3.8	50
148	Using Simple Spray Pyrolysis to Prepare Yolkâ€“Shellâ€Structured ZnOâ€“Mn₃O₄ Systems with the Optimum Composition for Superior Electrochemical Properties. Chemistry - A European Journal, 2014, 20, 3014-3018.	3.3	50
149	A Highly Efficient Recombinant Laccase from the Yeast Yarrowia lipolytica and Its Application in the Hydrolysis of Biomass. PLoS ONE, 2015, 10, e0120156.	2.5	50
150	Synthesis of NiO Nanofibers Composed of Hollow Nanospheres with Controlled Sizes by the Nanoscale Kirkendall Diffusion Process and Their Electrochemical Properties. ACS Applied Materials & Interfaces, 2015, 7, 25641-25647.	8.0	50
151	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.	10.3	50
152	Biotransformation of methane into methanol by methanotrophs immobilized on coconut coir. Bioresource Technology, 2020, 297, 122433.	9.6	50
153	Design and synthesis of Janus-structured mutually doped SnO₂â€“Co₃O₄hollow nanostructures as superior anode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 25319-25327.	10.3	49
154	Rational design of metal-organic framework-templated hollow NiCo2O4 polyhedrons decorated on macroporous CNT microspheres for improved lithium-ion storage properties. Chemical Engineering Journal, 2018, 349, 214-222.	12.7	49
155	Synthesis Process of CoSeO₃ Microspheres for Unordinary Liâ€ion Storage Performances and Mechanism of Their Conversion Reaction with Li ions. Small, 2019, 15, e1901320.	10.0	49
156	A New Strategy for Detecting Plant Hormone Ethylene Using Oxide Semiconductor Chemiresistors: Exceptional Gas Selectivity and Response Tailored by Nanoscale Cr₂O₃ Catalytic Overlayer. Advanced Science, 2020, 7, 1903093.	11.2	49
157	Hierarchically porous nanofibers comprising multiple coreâ€“shell Co3O4@graphitic carbon nanoparticles grafted within N-doped CNTs as functional interlayers for excellent Liâ€“S batteries. Chemical Engineering Journal, 2021, 426, 130805.	12.7	49
158	Electrochemical properties of bare nickel sulfide and nickel sulfideâ€“carbon composites prepared by one-pot spray pyrolysis as anode materials for lithium secondary batteries. Journal of Power Sources, 2014, 251, 480-487.	7.8	48
159	General Formation of Tin Nanoparticles Encapsulated in Hollow Carbon Spheres for Enhanced Lithium Storage Capability. Small, 2015, 11, 2157-2163.	10.0	48
160	Iron diselenide combined with hollow graphitic carbon nanospheres as a high-performance anode material for sodium-ion batteries. Chemical Engineering Journal, 2018, 339, 97-107.	12.7	48
161	Synthesis of nanosized Co3O4 particles by spray pyrolysis. Journal of Alloys and Compounds, 2006, 417, 254-258.	5.5	47
162	Effects of preparation conditions on the electrochemical and morphological characteristics of Li4Ti5O12 powders prepared by spray pyrolysis. Journal of Power Sources, 2009, 189, 185-190.	7.8	47

#	Article	IF	Citations
163	Effect of esterification reaction of citric acid and ethylene glycol on the formation of multi-shelled cobalt oxide powders with superior electrochemical properties. Nano Research, 2014, 7, 1738-1748.	10.4	47
164	Mesoporous reduced graphene oxide/WSe2 composite particles for efficient sodium-ion batteries and hydrogen evolution reactions. Applied Surface Science, 2018, 459, 309-317.	6.1	47
165	Synthesis and Electrochemical Characterization of Polypyrrole/Multi-walled Carbon Nanotube Composite Electrodes for Supercapacitor Applications. Bulletin of the Korean Chemical Society, 2010, 31, 1228-1232.	1.9	47
166	Use of LiCl flux in the preparation of Y2O3:Eu phosphor particles by spray pyrolysis. Journal of the European Ceramic Society, 2002, 22, 1661-1665.	5.7	46
167	Design of Selective Gas Sensors Using Additive-Loaded In2O3 Hollow Spheres Prepared by Combinatorial Hydrothermal Reactions. Sensors, 2011, 11, 10603-10614.	3.8	46
168	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.	10.3	46
169	Three-dimensional porous microspheres comprising hollow Fe2O3 nanorods/CNT building blocks with superior electrochemical performance for lithium ion batteries. Nanoscale, 2018, 10, 11150-11157.	5.6	46
170	Hierarchically Wellâ€Developed Porous Graphene Nanofibers Comprising Nâ€Doped Graphitic Câ€Coated Cobalt Oxide Hollow Nanospheres As Anodes for Highâ€Rate Liâ€Ion Batteries. Small, 2020, 16, e2002213.	10.0	46
171	Morphology Control and Optimization of Luminescent Property of YBO[sub 3]:Tb Phosphor Particles Prepared by Spray Pyrolysis. Journal of the Electrochemical Society, 2004, 151, H69.	2.9	45
172	Morphological and electrochemical properties of LiV3O8 cathode powders prepared by spray pyrolysis. Electrochimica Acta, 2010, 55, 6088-6092.	5.2	45
173	Air-stable silver-coated copper particles of sub-micrometer size. Journal of Colloid and Interface Science, 2011, 364, 574-581.	9.4	45
174	Uniform Decoration of Vanadium Oxide Nanocrystals on Reduced Grapheneâ€Oxide Balls by an Aerosol Process for Lithiumâ€Ion Battery Cathode Material. Chemistry - A European Journal, 2014, 20, 6294-6299.	3.3	45
175	Hierarchical Tubularâ€Structured MoSe₂ Nanosheets/Nâ€Doped Carbon Nanocomposite with Enhanced Sodium Storage Properties. ChemSusChem, 2020, 13, 1546-1555.	6.8	45
176	Freestanding interlayers for Liâ€“S batteries: design and synthesis of hierarchically porous N-doped C nanofibers comprising vanadium nitride quantum dots and MOF-derived hollow N-doped C nanocages. Journal of Materials Chemistry A, 2021, 9, 11651-11664.	10.3	45
177	Characterization of H2O-forming NADH oxidase from Streptococcus pyogenes and its application in l-rare sugar production. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1931-1935.	2.2	44
178	Electrochemical properties of P2-type Na 2/3 Ni 1/3 Mn 2/3 O 2 plates synthesized by spray pyrolysis process for sodium-ion batteries. Electrochimica Acta, 2017, 225, 86-92.	5.2	44
179	Yolkâ€“shell-structured (Fe0.5Ni0.5)9S8 solid-solution powders: Synthesis and application as anode materials for Na-ion batteries. Nano Research, 2017, 10, 3178-3188.	10.4	44
180	Improved photoluminescence of BaMgAl10O17 blue phosphor prepared by spray pyrolysis. Journal of Luminescence, 2003, 105, 127-133.	3.1	43

#	Article	IF	Citations
181	VUV characteristics of BaAl12O19:Mn2+ phosphor particles prepared from aluminum polycation solutions by spray pyrolysis. Journal of Alloys and Compounds, 2003, 353, 252-256.	5.5	43
182	Eu-doped barium strontium silicate phosphor particles prepared from spray solution containing NH4Cl flux by spray pyrolysis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 121, 81-85.	3.5	43
183	Aerosol synthesis of molybdenum diselenideâ€“reduced graphene oxide composite with empty nanovoids and enhanced hydrogen evolution reaction performances. Chemical Engineering Journal, 2017, 315, 355-363.	12.7	43
184	Unique hollow NiO nanooctahedrons fabricated through the Kirkendall effect as anodes for enhanced lithium-ion storage. Chemical Engineering Journal, 2018, 354, 327-334.	12.7	43
185	Y2SiO5:Ce Phosphor Particles 0.5â€“1.4 Î¼m in Size with Spherical Morphology. Journal of Solid State Chemistry, 1999, 146, 168-175.	2.9	42
186	Morphology Control of BaMgAl[sub 10]O[sub 17]:Eu Particles: The Use of Colloidal Solution Obtained from Alkoxide Precursor in Spray Pyrolysis. Journal of the Electrochemical Society, 2000, 147, 799.	2.9	42
187	Electrochemical properties of tungsten sulfideâ€“carbon composite microspheres prepared by spray pyrolysis. Scientific Reports, 2014, 4, 5755.	3.3	42
188	A highly efficient sorbitol dehydrogenase from Gluconobacter oxydans G624 and improvement of its stability through immobilization. Scientific Reports, 2016, 6, 33438.	3.3	42
189	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.	10.3	42
190	1-D nanostructure comprising porous Fe₂O₃/Se composite nanorods with numerous nanovoids, and their electrochemical properties for use in lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 10632-10639.	10.3	42
191	Repeated batch methanol production from a simulated biogas mixture using immobilized Methylocystis bryophila. Energy, 2018, 145, 477-485.	8.8	42
192	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.	10.3	42
193	Electrochemical reaction mechanism of amorphous iron selenite with ultrahigh rate and excellent cyclic stability performance as new anode material for lithium-ion batteries. Chemical Engineering Journal, 2020, 389, 124350.	12.7	42
194	Characteristics of spherical-shaped Li4Ti5O12 anode powders prepared by spray pyrolysis. Journal of Physics and Chemistry of Solids, 2009, 70, 40-44.	4.0	41
195	Luminescence enhancement of Eu-doped calcium magnesium silicate blue phosphor for UV-LED application. Journal of Luminescence, 2009, 129, 615-619.	3.1	41
196	Synthesis of nano-sized biphasic calcium phosphate ceramics with spherical shape by flame spray pyrolysis. Journal of Materials Science: Materials in Medicine, 2010, 21, 1143-1149.	3.6	41
197	Characteristics of Y3Al5O12:Ce phosphor powders prepared by spray pyrolysis from ethylenediaminetetraacetic acid solution. Ceramics International, 2010, 36, 611-615.	4.8	41
198	Electrochemical Properties of Yolkâ€“Shell, Hollow, and Dense WO₃ Particles Prepared by using Spray Pyrolysis. ChemSusChem, 2013, 6, 1320-1325.	6.8	41

#	Article	IF	Citations
199	One-pot rapid synthesis of coreâ€“shell structured NiO@TiO2 nanopowders and their excellent electrochemical properties as anode materials for lithium ion batteries. Nanoscale, 2013, 5, 12645.	5.6	41
200	Superior electrochemical properties of MoS2 powders with a MoS2@void@MoS2 configuration. Nanoscale, 2014, 6, 4508.	5.6	41
201	Yolkâ€“shell-structured microspheres composed of N-doped-carbon-coated NiMoO₄ hollow nanospheres as superior performance anode materials for lithium-ion batteries. Nanoscale, 2019, 11, 631-638.	5.6	41
202	Pitch-derived yolk-shell-structured carbon microspheres as efficient sulfur host materials and their application as cathode material for Liâ€“S batteries. Chemical Engineering Journal, 2019, 373, 382-392.	12.7	41
203	Direct synthesis of strontium titanate phosphor particles with high luminescence by flame spray pyrolysis. Materials Research Bulletin, 2002, 37, 263-269.	5.2	40
204	Pitch-derived carbon coated SnO2â€“CoO yolkâ€“shell microspheres with excellent long-term cycling and rate performances as anode materials for lithium-ion batteries. Chemical Engineering Journal, 2019, 369, 726-735.	12.7	40
205	Scalable green synthesis of hierarchically porous carbon microspheres by spray pyrolysis for high-performance supercapacitors. Chemical Engineering Journal, 2020, 382, 122805.	12.7	40
206	PbOâ€“B2O3â€“SiO2 glass powders with spherical shape prepared by spray pyrolysis. Journal of Non-Crystalline Solids, 2006, 352, 3270-3274.	3.1	39
207	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.	5.2	39
208	Uniquely structured Sb nanoparticle-embedded carbon/reduced graphene oxide composite shell with empty voids for high performance sodium-ion storage. Chemical Engineering Journal, 2019, 373, 227-237.	12.7	39
209	Multi-channel-contained few-layered MoSe2 nanosheet/N-doped carbon hybrid nanofibers prepared using diethylenetriamine as anodes for high-performance sodium-ion batteries. Journal of Industrial and Engineering Chemistry, 2019, 75, 100-107.	5.8	39
210	Formation of ZnO, MgO and NiO Nanoparticles from Aqueous Droplets in Flame Reactor. Journal of Nanoparticle Research, 2003, 5, 199-210.	1.9	38
211	Preparation of CaMgSi2O6:Eu blue phosphor particles by spray pyrolysis and its VUV characteristics. Materials Chemistry and Physics, 2006, 98, 330-336.	4.0	38
212	Electrochemical properties of LiNi0.8Co0.2â^'xAlxO2 (0â‰¤xâ‰¤0.1) cathode particles prepared by spray pyrolysis from the spray solutions with and without organic additives. Metals and Materials International, 2010, 16, 299-303.	3.4	38
213	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.	5.2	38
214	Large-Scale Production of MoO 3 -Reduced Graphene Oxide Powders with Superior Lithium Storage Properties by Spray-Drying Process. Electrochimica Acta, 2015, 173, 581-587.	5.2	38
215	Superior electrochemical properties of rutile VO2-carbon composite microspheres as a promising anode material for lithium ion batteries. Electrochimica Acta, 2015, 156, 179-187.	5.2	38
216	Three-dimensional macroporous CNTs microspheres highly loaded with NiCo2O4 hollow nanospheres showing excellent lithium-ion storage performances. Carbon, 2018, 128, 191-200.	10.3	38

#	Article	IF	Citations
217	Three-dimensional porous pitch-derived carbon coated Si nanoparticles-CNT composite microsphere with superior electrochemical performance for lithium ion batteries. Journal of Alloys and Compounds, 2020, 821, 153224.	5.5	38
218	Conversion Reaction Mechanism for Yolkâ€Shellâ€Structured Iron Tellurideâ€C Nanospheres and Exploration of Their Electrochemical Performance as an Anode Material for Potassiumâ€Ion Batteries. Small Methods, 2020, 4, 2000556.	8.6	38
219	Preparation of nanometre size oxide particles using filter expansion aerosol generator. Journal of Materials Science, 1996, 31, 2409-2416.	3.7	37
220	Ba[sup 2+] Co-doped Zn[sub 2]SiO[sub 4]:Mn Phosphor Particles Prepared by Spray Pyrolysis Process. Journal of the Electrochemical Society, 2003, 150, H7.	2.9	37
221	Preparation of solid nickel nanoparticles by large-scale spray pyrolysis of Ni(NO3)2Â·6H2O precursor: Effect of temperature and nickel acetate on the particle morphology. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 137, 10-19.	3.5	37
222	One-pot synthesis of manganese oxide-carbon composite microspheres with three dimensional channels for Li-ion batteries. Scientific Reports, 2014, 4, 5751.	3.3	37
223	Conversion reaction mechanism of cobalt telluride-carbon composite microspheres synthesized by spray pyrolysis process for K-ion storage. Applied Surface Science, 2020, 529, 147140.	6.1	37
224	Potassium-ion storage mechanism of MoS2-WS2-C microspheres and their excellent electrochemical properties. Chemical Engineering Journal, 2021, 408, 127278.	12.7	37
225	Morphology Control of Multicomponent Oxide Phosphor Particles Containing High Ductility Component by High Temperature Spray Pyrolysis. Journal of the Electrochemical Society, 1999, 146, 2744-2747.	2.9	36
226	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, 11078-11083.	3.3	36
227	Oneâ€Pot Method for Synthesizing Sphericalâ€Like Metal Sulfideâ€“Reduced Graphene Oxide Composite Powders with Superior Electrochemical Properties for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2014, 20, 12183-12189.	3.3	36
228	Kilogramâ€Scale Production of SnO₂ Yolkâ€“Shell Powders by a Sprayâ€Drying Process Using Dextrin as Carbon Source and Drying Additive. Chemistry - A European Journal, 2014, 20, 5835-5839.	3.3	36
229	Electrochemical properties of micron-sized, spherical, meso- and macro-porous Co3O4 and CoOâ€“carbon composite powders prepared by a two-step spray drying process. Nanoscale, 2014, 6, 4789.	5.6	36
230	Electrochemical properties of MnSâ€“C and MnOâ€“C composite powders prepared via spray drying process. Journal of Power Sources, 2015, 295, 9-15.	7.8	36
231	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.	8.0	36
232	Effects of precursor types of Fe and Ni components on the properties of NiFe2O4 powders prepared by spray pyrolysis. Journal of Magnetism and Magnetic Materials, 2009, 321, 619-623.	2.3	35
233	Characterization of a Î²-1,4-glucosidase from a newly isolated strain of Pholiota adiposa and its application to the hydrolysis of biomass. Biomass and Bioenergy, 2013, 54, 181-190.	5.7	35
234	Rapid continuous synthesis of spherical reduced graphene ball-nickel oxide composite for lithium ion batteries. Scientific Reports, 2014, 4, 5786.	3.3	35

#	Article	IF	Citations
235	Strategy for yolk-shell structured metal oxide-carbon composite powders and their electrochemical properties for lithium-ion batteries. Carbon, 2016, 100, 137-144.	10.3	35
236	Multiroom-structured multicomponent metal selenideâ€“graphitic carbonâ€“carbon nanotube hybrid microspheres as efficient anode materials for sodium-ion batteries. Nanoscale, 2018, 10, 8125-8132.	5.6	35
237	Three-dimensionally ordered mesoporous multicomponent (Ni, Mo) metal oxide/N-doped carbon composite with superior Li-ion storage performance. Nanoscale, 2018, 10, 18734-18741.	5.6	35
238	Nâ€doped <scp> carbonâ€coated CoSe ₂ </scp> nanocrystals anchored on twoâ€dimensional <scp>MXene</scp> nanosheets for efficient electrochemical sodiumâ€and <scp>potassiumâ€ion</scp> storage. International Journal of Energy Research, 2021, 45, 17738-17748.	4.5	35
239	Electrospun MOF-based ZnSe nanocrystals confined in N-doped mesoporous carbon fibers as anode materials for potassium ion batteries with long-term cycling stability. Chemical Engineering Journal, 2021, 425, 131651.	12.7	35
240	Electrochemical properties of Cu6Sn5 alloy powders directly prepared by spray pyrolysis. Journal of Power Sources, 2009, 189, 163-168.	7.8	34
241	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.	10.3	34
242	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.	10.3	34
243	Towards an efficient anode material for Li-ion batteries: understanding the conversion mechanism of nickel hydroxy chloride with Li- ions. Journal of Materials Chemistry A, 2020, 8, 1939-1946.	10.3	34
244	Morphology of (YxGd1-x)BO3:Eu Phosphor Particles Prepared by Spray Pyrolysis from Aqueous and Colloidal Solutions. Japanese Journal of Applied Physics, 1999, 38, L1541-L1543.	1.5	33
245	Morphology of particles prepared by spray pyrolysis from organic precursor solution. Materials Letters, 2003, 57, 1288-1294.	2.6	33
246	A Busbar Differential Protection Relay Suitable for Use With Measurement Type Current Transformers. IEEE Transactions on Power Delivery, 2005, 20, 1291-1298.	4.3	33
247	Study of Co3O4 mesoporous nanosheets prepared by a simple spray-drying process and their electrochemical properties as anode material for lithium secondary batteries. Electrochimica Acta, 2014, 116, 44-50.	5.2	33
248	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.	4.4	33
249	Carbon microspheres with micro- and mesopores synthesized via spray pyrolysis for high-energy-density, electrical-double-layer capacitors. Chemical Engineering Journal, 2019, 365, 193-200.	12.7	33
250	Fibrous network of highly integrated carbon nanotubes/MoO3 composite bundles anchored with MoO3 nanoplates for superior lithium ion battery anodes. Journal of Industrial and Engineering Chemistry, 2020, 83, 438-448.	5.8	33
251	A General Solution to Mitigate Water Poisoning of Oxide Chemiresistors: Bilayer Sensors with Tb₄O₇ Overlayer. Advanced Functional Materials, 2021, 31, 2007895.	14.9	33
252	Title is missing!. Journal of Materials Science Letters, 1997, 16, 1848-1849.	0.5	32

#	Article	IF	Citations
253	Phosphor layer formed from the Zn2SiO4:Mn phosphor particles with spherical shape and fine size. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 117, 210-215.	3.5	32
254	Preparation of Bi2O3â€“B2O3â€“ZnOâ€“BaOâ€“SiO2 glass powders with spherical shape by spray pyrolysis. Journal of Alloys and Compounds, 2007, 437, 215-219.	5.5	32
255	Enzymatic hydrolysis of aspen biomass into fermentable sugars by using lignocellulases from Armillaria gemina. Bioresource Technology, 2013, 133, 307-314.	9.6	32
256	Facile one-pot synthesis of spherical zinc sulfideâ€“carbon nanocomposite powders with superior electrochemical properties as anode materials for Li-ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 16437.	2.8	32
257	Polystyreneâ€templated Aerosol Synthesis of MoS₂â€“Amorphous Carbon Composite with Open Macropores as Battery Electrode. ChemSusChem, 2015, 8, 2260-2267.	6.8	32
258	Excellent Li-ion storage performances of hierarchical SnO-SnO 2 composite powders and SnO nanoplates prepared by one-pot spray pyrolysis. Journal of Power Sources, 2017, 359, 363-370.	7.8	32
259	Rational design and synthesis of hierarchically structured SnO2 microspheres assembled from hollow porous nanoplates as superior anode materials for lithium-ion batteries. Nano Research, 2018, 11, 1301-1312.	10.4	32
260	Structure-optimized CoP-carbon nanotube composite microspheres synthesized by spray pyrolysis for hydrogen evolution reaction. Journal of Alloys and Compounds, 2018, 763, 652-661.	5.5	32
261	Rational synthesis of uniform yolkâ€“shell Niâ€“Fe bimetallic sulfide nanoflakes@porous carbon nanospheres as advanced anodes for high-performance potassium-/sodium-ion batteries. Chemical Engineering Journal, 2021, 417, 127963.	12.7	32
262	Preparation of zinc oxide-dispersed silver particles by spray pyrolysis of colloidal solution. Materials Letters, 1999, 40, 129-133.	2.6	31
263	Fine-sized LiNi0.8Co0.15Mn0.05O2 cathode powders prepared by combined process of gas-phase reaction and solid-state reaction methods. Journal of Power Sources, 2008, 178, 387-392.	7.8	31
264	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.	3.3	31
265	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.	7.8	31
266	Formation of coreâ€“shell-structured Zn2SnO4â€“carbon microspheres with superior electrochemical properties by one-pot spray pyrolysis. Nanoscale, 2015, 7, 701-707.	5.6	31
267	Synthesis of hierarchical structured Fe2O3 rod clusters with numerous empty nanovoids via the Kirkendall effect and their electrochemical properties for lithium-ion storage. Journal of Materials Chemistry A, 2018, 6, 8462-8469.	10.3	31
268	Prussian blue analogue nanocubes with hollow interior and porous walls encapsulated within reduced graphene oxide nanosheets and their sodium-ion storage performances. Chemical Engineering Journal, 2020, 393, 124606.	12.7	31
269	Remote Control of Timeâ€Regulated Stretching of Ligandâ€Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells. Advanced Materials, 2021, 33, e2008353.	21.0	31
270	Preparation of high surface area nanophase particles by low pressure spray pyrolysis. Scripta Materialia, 1995, 5, 777-791.	0.5	30

#	Article	IF	Citations
271	Preparation of Submicron Size Gamma Lithium Aluminate Particles from the Mixture of Alumina Sol and Lithium Salt by Ultrasonic Spray Pyrolysis. Journal of Colloid and Interface Science, 1996, 182, 59-62.	9.4	30
272	Title is missing!. Journal of Materials Science Letters, 1997, 16, 131-133.	0.5	30
273	Morphology of Oxide Phosphor Particles Prepared by Colloidal Seed-Assisted Spray Pyrolysis. Journal of the Electrochemical Society, 2000, 147, 1601.	2.9	30
274	Sodium Carbonate Flux Effects on the Luminescence Characteristics of (Y_{0.5}Gd_{0.5})₂O₃:Eu Phosphor Particles Prepared by Spray Pyrolysis. Journal of the American Ceramic Society, 2001, 84, 447-49.	3.8	30
275	Characterization of a novel xylanase from Armillaria gemina and its immobilization onto SiO2 nanoparticles. Applied Microbiology and Biotechnology, 2013, 97, 1081-1091.	3.6	30
276	Electrochemical properties of cobalt hydroxychloride microspheres as a new anode material for Li-ion batteries. Scientific Reports, 2015, 4, 5785.	3.3	30
277	Applying Nanoscale Kirkendall Diffusion for Template-Free, Kilogram-Scale Production of SnO2 Hollow Nanospheres via Spray Drying System. Scientific Reports, 2016, 6, 23915.	3.3	30
278	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.	12.7	30
279	Hierarchical hollow microspheres grafted with Co nanoparticle-embedded bamboo-like N-doped carbon nanotube bundles as ultrahigh rate and long-life cathodes for rechargeable lithium-oxygen batteries. Chemical Engineering Journal, 2018, 334, 2500-2510.	12.7	30
280	Advances in the synthesis and design of nanostructured materials by aerosol spray processes for efficient energy storage. Nanoscale, 2019, 11, 19012-19057.	5.6	30
281	Morphology and Luminescence of(GdY)2O3:Eu Particles Prepared by Colloidal Seed-Assisted Spray Pyrolysis. Journal of Colloid and Interface Science, 2000, 228, 195-199.	9.4	29
282	Preparation of BaMgAl10O17:Eu blue phosphor by flame-assisted spray pyrolysis: photoluminescence properties of powder and film under VUV excitation. Materials Letters, 2004, 58, 2161-2165.	2.6	29
283	The enhancement of photoluminescence characteristics of Eu-doped barium strontium silicate phosphor particles by co-doping materials. Journal of Alloys and Compounds, 2005, 402, 246-250.	5.5	29
284	Green light-emitting Lu3Al5O12:Ce phosphor powders prepared by spray pyrolysis. Materials Research Bulletin, 2012, 47, 1428-1431.	5.2	29
285	The characteristics of nano-sized Gd-doped CeO2 particles prepared by spray pyrolysis. Journal of Alloys and Compounds, 2005, 398, 240-244.	5.5	28
286	Characteristics of Bi-based glass frit having similar mean size and morphology to those of silver powders at high firing temperatures. Journal of Alloys and Compounds, 2010, 497, 259-266.	5.5	28
287	Enhancement of light-harvesting efficiency of dye-sensitized solar cells via forming TiO2 composite double layers with down/up converting phosphor dispersion. RSC Advances, 2014, 4, 10039.	3.6	28
288	Superior cycling and rate performances of rattle-type CoMoO4 microspheres prepared by one-pot spray pyrolysis. RSC Advances, 2014, 4, 17873.	3.6	28

#	Article	IF	Citations
289	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.	6.7	28
290	Highly efficient hierarchical multiroom-structured molybdenum carbide/carbon composite microspheres grafted with nickel-nanoparticle-embedded nitrogen-doped carbon nanotubes as air electrode for lithium-oxygen batteries. Chemical Engineering Journal, 2018, 351, 886-896.	12.7	28
291	Hierarchical yolk-shell CNT-(NiCo)O/C microspheres prepared by one-pot spray pyrolysis as anodes in lithium-ion batteries. Chemical Engineering Journal, 2019, 368, 438-447.	12.7	28
292	Methylbenzene sensors using Ti-doped NiO multiroom spheres: Versatile tunability on selectivity, response, sensitivity, and detection limit. Sensors and Actuators B: Chemical, 2020, 308, 127730.	7.8	28
293	Effects of BaF2 flux on the properties of yellow-light-emitting terbium aluminum garnet phosphor powders prepared by spray pyrolysis. Optical Materials, 2009, 31, 870-875.	3.6	27
294	Excellent Electrochemical Properties of Yolkâ€“Shell MoO₃ Microspheres Formed by Combustion of Molybdenum Oxideâ€“Carbon Composite Microspheres. Chemistry - an Asian Journal, 2014, 9, 1011-1015.	3.3	27
295	Enhanced Li+ storage properties of few-layered MoS2-C composite microspheres embedded with Si nanopowder. Nano Research, 2015, 8, 2492-2502.	10.4	27
296	Design of house centipede-like MoCâ€“Mo2C nanorods grafted with N-doped carbon nanotubes as bifunctional catalysts for high-performance Liâ€“O2 batteries. Chemical Engineering Journal, 2020, 384, 123344.	12.7	27
297	The conversion reaction mechanism of bimetallic Niâ€“Fe hydroxycarbonate and its encapsulation in carbon nanospheres for achieving excellent Li-ion storage performance. Journal of Materials Chemistry A, 2020, 8, 12124-12133.	10.3	27
298	Nano-sized Y2O3:Eu phosphor particles prepared by spray pyrolysis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 116, 59-63.	3.5	26
299	Transparencies of dielectric layers formed from size-controlled Bi-based glass powders obtained by spray pyrolysis. Applied Physics A: Materials Science and Processing, 2006, 85, 63-68.	2.3	26
300	Characteristics of Î±â€²- and Î²-Sr2SiO4:Eu2+ phosphor powders prepared by spray pyrolysis. Ceramics International, 2010, 36, 1233-1238.	4.8	26
301	Cloning and characterization of a galactitol 2-dehydrogenase from Rhizobium legumenosarum and its application in d-tagatose production. Enzyme and Microbial Technology, 2014, 58-59, 44-51.	3.2	26
302	Superior Electrochemical Properties of Nanofibers Composed of Hollow CoFe₂O₄ Nanospheres Covered with Onionâ€Like Graphitic Carbon. Chemistry - A European Journal, 2015, 21, 18202-18208.	3.3	26
303	Synthesis of carbonaceous/carbon-free nanofibers consisted of Co3V2O8 nanocrystals for lithium-ion battery anode with ultralong cycle life. Electrochimica Acta, 2019, 313, 48-58.	5.2	26
304	New synthesis strategy for hollow NiO nanofibers with interstitial nanovoids prepared via electrospinning using camphene for anodes of lithium-ion batteries. Journal of Industrial and Engineering Chemistry, 2019, 77, 76-82.	5.8	26
305	Amorphous iron oxideâ€“selenite composite microspheres with a yolkâ€“shell structure as highly efficient anode materials for lithium-ion batteries. Nanoscale, 2020, 12, 10790-10798.	5.6	26
306	Metal-Ion-Intercalated MXene Nanosheet Films for NH₃ Gas Detection. ACS Applied Nano Materials, 2021, 4, 14249-14257.	5.0	26

#	Article	IF	Citations
307	Porous nitrogen-doped graphene nanofibers comprising metal organic framework-derived hollow and ultrafine layered double metal oxide nanocrystals as high-performance anodes for lithium-ion batteries. Journal of Power Sources, 2022, 523, 231030.	7.8	26
308	Preparation of CaTiO3:Pr phosphor by spray pyrolysis using filter expansion aerosol generator. Journal of Aerosol Science, 1997, 28, S541-S542.	3.8	25
309	Optimization of VUV characteristics and morphology of BaMgAl10O17:Eu2+ phosphor particles in spray pyrolysis. Ceramics International, 2003, 29, 41-47.	4.8	25
310	Effect of boric acid flux on the characteristics of (CeTb)MgAl11O19 phosphor particles prepared by spray pyrolysis. Journal of Alloys and Compounds, 2005, 398, 309-314.	5.5	25
311	Pb-free glass frits prepared by spray pyrolysis as inorganic binders of Al electrodes in Si solar cells. Journal of Alloys and Compounds, 2011, 509, 6325-6331.	5.5	25
312	Electrochemical properties of Li2Oâ€“2B2O3 glass-modified LiMn2O4 powders prepared by spray pyrolysis process. Journal of Power Sources, 2012, 210, 110-115.	7.8	25
313	Electrochemical Properties of ZrO2-Doped V2O5 Amorphous Powders with Spherical Shape and Fine Size. ACS Applied Materials & Interfaces, 2013, 5, 3234-3240.	8.0	25
314	Electrochemical Properties of Hollowâ€Structured MnSâ€“Carbon Nanocomposite Powders Prepared by a Oneâ€Pot Spray Pyrolysis Process. Chemistry - an Asian Journal, 2014, 9, 590-595.	3.3	25
315	Superior Lithiumâ€Ion Storage Properties of Mesoporous CuOâ€“Reduced Graphene Oxide Composite Powder Prepared by a Twoâ€Step Sprayâ€Drying Process. Chemistry - A European Journal, 2015, 21, 9179-9184.	3.3	25
316	Synthesis of Uniquely Structured Yolkâ€“Shell Metal Oxide Microspheres Filled with Nitrogenâ€Doped Graphitic Carbon with Excellent Liâ€“Ion Storage Performance. Small, 2017, 13, 1701585.	10.0	25
317	Design and Synthesis of Spherical Multicomponent Aggregates Composed of Coreâ€“Shell, Yolkâ€“Shell, and Hollow Nanospheres and Their Lithiumâ€Ion Storage Performances. Small, 2018, 14, e1703957.	10.0	25
318	Boosting the Electrochemical Performance of V₂O₃ by Anchoring on Carbon Nanotube Microspheres with Macrovoids for Ultrafast and Longâ€Life Aqueous Zincâ€Ion Batteries. Small Methods, 2021, 5, e2100578.	8.6	25
319	One-dimensional porous nanostructure composed of few-layered MoSe2 nanosheets and highly densified-entangled-N-doped CNTs as anodes for Na ion batteries. Chemical Engineering Journal, 2021, 425, 129051.	12.7	25
320	Synthesis of Nanosize Gd[sub 2]O[sub 3]:Eu Phosphor Particles with High Luminescence Efficiency under Ultraviolet Light. Journal of the Electrochemical Society, 2003, 150, H93.	2.9	24
321	Improved thermal resistance of spherical BaMgAl10O17:Eu blue phosphor prepared by spray pyrolysis. Journal of Luminescence, 2005, 115, 91-96.	3.1	24
322	Gd2O3:Eu phosphor particles prepared from spray solution containing boric acid flux and polymeric precursor by spray pyrolysis. Optical Materials, 2006, 28, 530-535.	3.6	24
323	Eu-doped Ca8Mg(SiO4)4Cl2 phosphor particles prepared by spray pyrolysis from the colloidal spray solution containing ammonium chloride. Journal of Alloys and Compounds, 2008, 457, 429-434.	5.5	24
324	Preparation of LSGM powders for low temperature sintering. Solid State Ionics, 2009, 180, 788-791.	2.7	24

#	Article	IF	Citations
325	Luminescence comparison of YAG:Ce phosphors prepared by microwave heating and precipitation methods. Physica B: Condensed Matter, 2010, 405, 1615-1618.	2.7	24
326	Electrochemical properties of cobalt sulfide-carbon composite powders prepared by simple sulfidation process of spray-dried precursor powders. Electrochimica Acta, 2014, 137, 336-343.	5.2	24
327	Design and synthesis of macroporous (Mn1/3Co2/3)O-carbon nanotubes composite microspheres as efficient catalysts for rechargeable Li-O2 batteries. Carbon, 2018, 128, 125-133.	10.3	24
328	Lithium-ion storage performances of sunflower-like and nano-sized hollow SnO₂ spheres by spray pyrolysis and the nanoscale Kirkendall effect. Nanoscale, 2018, 10, 13531-13538.	5.6	24
329	Nickel vanadate microspheres with numerous nanocavities synthesized by spray drying process as an anode material for Li-ion batteries. Journal of Alloys and Compounds, 2019, 780, 326-333.	5.5	24
330	Fabrication of bimodal micro-mesoporous amorphous carbon-graphitic carbon-reduced graphene oxide composite microspheres prepared by pilot-scale spray drying and their application in supercapacitors. Carbon, 2019, 144, 591-600.	10.3	24
331	Formation of Submicron Copper Sulfide Particles Using Spray Pyrolysis Method. Japanese Journal of Applied Physics, 1998, 37, L288-L290.	1.5	23
332	Improved Photoluminescence of Sr[sub 5](PO[sub 4])[sub 3]Cl:Eu[sup 2+] Phosphor Particles Prepared by Flame Spray Pyrolysis. Journal of the Electrochemical Society, 2003, 150, H38.	2.9	23
333	Effects of drying control chemical additive on properties of Li4Ti5O12 negative powders prepared by spray pyrolysis. Journal of Power Sources, 2010, 195, 4327-4331.	7.8	23
334	Electrochemical properties of nano-sized Li3V2(PO4)3/C composite powders prepared by spray pyrolysis from spray solution with chelating agent. Materials Chemistry and Physics, 2011, 131, 292-296.	4.0	23
335	Nanosized LiMn2O4 powders prepared by flame spray pyrolysis from aqueous solution. Journal of Power Sources, 2011, 196, 2858-2862.	7.8	23
336	Immobilization of Pholiota adiposa xylanase onto SiO2 nanoparticles and its application for production of xylooligosaccharides. Biotechnology Letters, 2012, 34, 1307-1313.	2.2	23
337	Electrochemical properties of nano-sized LiNi1/3Co1/3Mn1/3O2 powders in the range from 56 to 101 nm prepared by flame spray pyrolysis. Materials Chemistry and Physics, 2012, 134, 254-259.	4.0	23
338	Preparation of Li₄Ti₅O₁₂ Yolkâ€“Shell Powders by Spray Pyrolysis and their Electrochemical Properties. Chemistry - an Asian Journal, 2014, 9, 443-446.	3.3	23
339	Superior electrochemical properties of spherical-like Co2(OH)3Cl-reduced graphene oxide composite powders with ultrafine nanocrystals. Carbon, 2015, 84, 14-23.	10.3	23
340	Superior Lithiumâ€Ion Storage Properties of Siâ€Based Composite Powders with Unique Si@Carbon@Void@Graphene Configuration. Chemistry - A European Journal, 2015, 21, 2076-2082.	3.3	23
341	Electrochemical properties of micron-sized Co3O4 hollow powders consisting of size controlled hollow nanospheres. Journal of Alloys and Compounds, 2016, 689, 554-563.	5.5	23
342	Reduction in Acute Ecotoxicity of Paper Mill Effluent by Sequential Application of Xylanase and Laccase. PLoS ONE, 2014, 9, e102581.	2.5	23

#	Article	IF	Citations
343	Self-supported hierarchically porous 3D carbon nanofiber network comprising Ni/Co/NiCo2O4 nanocrystals and hollow N-doped C nanocages as sulfur host for highly reversible Liâ€“S batteries. Chemical Engineering Journal, 2022, 446, 137141.	12.7	23
344	Morphological Control of Zn2SiO4:Mn Phosphor Particles by Adding Citric Acid in Spray Pyrolysis Process. Japanese Journal of Applied Physics, 2003, 42, 3429-3433.	1.5	22
345	Vacuum Ultraviolet Characteristics of Nano-sized Gd2O3:Eu Phosphor Particles. Japanese Journal of Applied Physics, 2003, 42, 2741-2745.	1.5	22
346	DMF effect on the morphology and the luminescence properties of Y2O3:Eu3+ red phosphor prepared by spray pyrolysis. Journal of Industrial and Engineering Chemistry, 2008, 14, 224-229.	5.8	22
347	Preparation and electrochemical properties of glass-modified LiCoO2 cathode powders. Journal of Power Sources, 2013, 244, 129-135.	7.8	22
348	Yolkâ€“shell structured Gd₂O₃:Eu³⁺ phosphor prepared by spray pyrolysis: the effect of preparation conditions on microstructure and luminescence properties. Physical Chemistry Chemical Physics, 2015, 17, 1325-1331.	2.8	22
349	Electrochemical properties of WO3-reduced graphene oxide composite powders prepared by one-pot spray pyrolysis process. Journal of Alloys and Compounds, 2016, 688, 647-653.	5.5	22
350	Yolkâ€“shell-structured manganese oxide/nitride composite powders comprising cobalt-nanoparticle-embedded nitrogen-doped carbon nanotubes as cathode catalysts for long-life-cycle lithiumâ€“oxygen batteries. Chemical Engineering Journal, 2019, 373, 86-94.	12.7	22
351	The effect of ILs as co-salts in electrolytes for high voltage supercapacitors. Scientific Reports, 2019, 9, 1180.	3.3	22
352	Mesoporous Nb2O5 microspheres with filled and yolk-shell structure as anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2019, 776, 722-730.	5.5	22
353	Porous SnO₂/C Nanofiber Anodes and LiFePO₄/C Nanofiber Cathodes with a Wrinkle Structure for Stretchable Lithium Polymer Batteries with High Electrochemical Performance. Advanced Science, 2020, 7, 2001358.	11.2	22
354	Investigation of cobalt hydroxysulfide as a new anode material for Li-ion batteries and its conversion reaction mechanism with Li-ions. Chemical Engineering Journal, 2020, 401, 126121.	12.7	22
355	Magnetic Control and Realâ€Time Monitoring of Stem Cell Differentiation by the Ligand Nanoassembly. Small, 2021, 17, e2102892.	10.0	22
356	Nanoconfined vanadium nitride in 3D porous reduced graphene oxide microspheres as high-capacity cathode for aqueous zinc-ion batteries. Chemical Engineering Journal, 2022, 446, 137266.	12.7	22
357	Nano-sized barium titanate powders with tetragonal crystal structure prepared by flame spray pyrolysis. Journal of the European Ceramic Society, 2008, 28, 109-115.	5.7	21
358	Fine size Pb-based glass frit with spherical shape as the inorganic binder of Al electrode for Si solar cells. Journal of Alloys and Compounds, 2010, 490, 488-492.	5.5	21
359	Molecular Determinants of the Cofactor Specificity of Ribitol Dehydrogenase, a Short-Chain Dehydrogenase/Reductase. Applied and Environmental Microbiology, 2012, 78, 3079-3086.	3.1	21
360	Molecular cloning and characterization of a GH11 endoxylanase from Chaetomium globosum, and its use in enzymatic pretreatment of biomass. Applied Microbiology and Biotechnology, 2013, 97, 7205-7214.	3.6	21

#	Article	IF	Citations
361	Aerosol-assisted synthesis of porous and hollow carbon-carbon nanotube composite microspheres as sulfur host materials for high-performance Li-S batteries. Applied Surface Science, 2019, 495, 143637.	6.1	21
362	Structural combination of polar hollow microspheres and hierarchical N-doped carbon nanotubes for high-performance Liâ€“S batteries. Nanoscale, 2020, 12, 2142-2153.	5.6	21
363	Gd[sub 2]O[sub 3]:Eu Phosphor Particles Prepared from the Polymeric Precursors in Spray Pyrolysis. Journal of the Electrochemical Society, 2001, 148, H171.	2.9	20
364	Control of size and morphology in Ni particles prepared by spray pyrolysis. Journal of Materials Science Letters, 2003, 22, 1537-1541.	0.5	20
365	Effect of preparation temperature on the characteristics of PbOâ€“B2O3â€“SiO2 glass powders with spherical shape. Journal of Alloys and Compounds, 2007, 428, 344-349.	5.5	20
366	The characteristics of Niâ€“Coâ€“Mnâ€“O precursor and Li(Ni1/3Co1/3Mn1/3)O2 cathode powders prepared by spray pyrolysis. Ceramics International, 2009, 35, 1205-1210.	4.8	20
367	Electrochemical properties of spherically shaped dense V2O5 cathode powders prepared directly by spray pyrolysis. Journal of Power Sources, 2012, 211, 84-91.	7.8	20
368	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.	6.8	20
369	Excellent Electrochemical Properties of Yolkâ€“Shell LiV₃O₈ Powder and Its Potential as Cathodic Material for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2013, 19, 17305-17309.	3.3	20
370	Characteristics of precursor powders of a nickel-rich cathode material prepared by a spray drying process using water-soluble metal salts. RSC Advances, 2014, 4, 44203-44207.	3.6	20
371	Controllable synthesis of yolkâ€“shell-structured metal oxides with seven to ten components for finding materials with superior lithium storage properties. Nanoscale, 2014, 6, 12421-12425.	5.6	20
372	Electrochemical Properties of Tin Oxide Flake/Reduced Graphene Oxide/Carbon Composite Powders as Anode Materials for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2014, 20, 15203-15207.	3.3	20
373	A new general approach to synthesizing filled and yolkâ€“shell structured metal oxide microspheres by applying a carbonaceous template. Nanoscale, 2017, 9, 17991-17999.	5.6	20
374	Lithium ion storage mechanism exploration of copper selenite as anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2020, 827, 154309.	5.5	20
375	Metalâ€organic frameworks derived <scp> FeSe ₂ </scp> @C nanorods interconnected by Nâ€doped graphene nanosheets as advanced anode materials for Naâ€ion batteries. International Journal of Energy Research, 2021, 45, 20909-20920.	4.5	20
376	New strategy to synthesize optimal cobalt diselenide@hollow mesoporous carbon nanospheres for highly efficient hydrogen evolution reaction. Chemical Engineering Journal, 2021, 424, 130341.	12.7	20
377	Nanosized barium ferrite powders prepared by spray pyrolysis from citric acid solution. Ceramics International, 2009, 35, 1933-1937.	4.8	19
378	Nano-sized Î± and Î²-TCP powders prepared by high temperature flame spray pyrolysis. Materials Science and Engineering C, 2009, 29, 1288-1292.	7.3	19

#	Article	IF	Citations
379	Fine-sized LiNi0.8Co0.15Mn0.05O2 cathode particles prepared by spray pyrolysis from the polymeric precursor solutions. Ceramics International, 2009, 35, 1633-1639.	4.8	19
380	Effects of types of drying control chemical additives on the morphologies and electrochemical properties of Li4Ti5O12 anode powders prepared by spray pyrolysis. Journal of Alloys and Compounds, 2010, 506, 913-916.	5.5	19
381	Electrochemical properties of ultrafine TiO2-doped MoO3 nanoplates prepared by one-pot flame spray pyrolysis. RSC Advances, 2014, 4, 17382.	3.6	19
382	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.	3.3	19
383	Highly integrated and interconnected CNT hybrid nanofibers decorated with Î±-iron oxide as freestanding anodes for flexible lithium polymer batteries. Journal of Materials Chemistry A, 2019, 7, 12480-12488.	10.3	19
384	Immunoregulation of Macrophages by Controlling Winding and Unwinding of Nanohelical Ligands. Advanced Functional Materials, 2021, 31, 2103409.	14.9	19
385	The characteristics of X1 type Y2SiO5:Tb phosphor particles prepared by high temperature spray pyrolysis. Ceramics International, 2006, 32, 865-870.	4.8	18
386	Preparation of nanometer AlN powders by combining spray pyrolysis with carbothermal reduction and nitridation. Ceramics International, 2011, 37, 1967-1971.	4.8	18
387	Saccharification of poplar biomass by using lignocellulases from Pholiota adiposa. Bioresource Technology, 2012, 120, 264-272.	9.6	18
388	Two-step spray-drying synthesis of dense and highly luminescent YAG:Ce³⁺ phosphor powders with spherical shape. RSC Advances, 2015, 5, 8345-8350.	3.6	18
389	One-pot Aerosol Synthesis of Carbon Nanotube-Zn2GeO4 Composite Microspheres for Enhanced Lithium-ion Storage Properties. Electrochimica Acta, 2016, 190, 766-774.	5.2	18
390	Exploration of cobalt seleniteâ€“carbon composite porous nanofibers as anode for sodium-ion batteries and unveiling their conversion reaction mechanism. Journal of Materials Science and Technology, 2021, 89, 24-35.	10.7	18
391	Metal sulfoselenide solid solution embedded in porous hollow carbon nanospheres as effective anode material for potassium-ion batteries with long cycle life and enhanced rate performance. Chemical Engineering Journal, 2022, 428, 131051.	12.7	18
392	Title is missing!. Journal of Materials Science Letters, 2000, 19, 1225-1227.	0.5	17
393	Y 2 O 3 :Eu phosphor particles prepared by spray pyrolysis from a solution containing citric acid and polyethylene glycol. Applied Physics A: Materials Science and Processing, 2003, 76, 241-245.	2.3	17
394	Design and synthesis of interconnected hierarchically porous anatase titanium dioxide nanofibers as high-rate and long-cycle-life anodes for lithium-ion batteries. Nanoscale, 2018, 10, 13539-13547.	5.6	17
395	Yolkâ€Shellâ€Structured Nanospheres with Goat Pupilâ€Like Sâ€Doped SnSe Yolk and Hollow Carbonâ€Shell Configuration as Anode Material for Sodiumâ€Ion Storage. Small Methods, 2021, 5, e2100302.	8.6	17
396	Red-Emitting Phosphor Particles with Spherical Shape, Dense Morphology, and High Luminescent Efficiency under Ultraviolet. Japanese Journal of Applied Physics, 2004, 43, 5302-5306.	1.5	16

#	Article	IF	Citations
397	Y2SiO5:Tb phosphor particles prepared from colloidal and aqueous solutions by spray pyrolysis. Applied Physics A: Materials Science and Processing, 2005, 80, 347-351.	2.3	16
398	The characteristics of nano-sized manganese oxide particles prepared by spray pyrolysis. Journal of Alloys and Compounds, 2006, 425, 411-415.	5.5	16
399	LiCo1â^'xAlxO2 (0â‰¤xâ‰¤0.05) cathode powders prepared from the nanosized Co1â^'xAlxOy precursor powders. Materials Chemistry and Physics, 2008, 112, 536-541.	4.0	16
400	Morphologies and crystal structures of nano-sized Ba1â^'xSrxTiO3 primary particles prepared by flame spray pyrolysis. Materials Research Bulletin, 2008, 43, 1789-1799.	5.2	16
401	Synthesis of spherical shape borate-based bioactive glass powders prepared by ultrasonic spray pyrolysis. Ceramics International, 2009, 35, 2103-2109.	4.8	16
402	Characteristics of Pb-based glass frit prepared by spray pyrolysis as the inorganic binder of silver electrode for Si solar cells. Journal of Alloys and Compounds, 2010, 490, 582-588.	5.5	16
403	Electrochemical Properties of Yolkâ€“Shellâ€Structured Znâ€“Feâ€“S Multicomponent Sulfide Materials with a 1:2 Zn/Fe Molar Ratio. Chemistry - A European Journal, 2015, 21, 1429-1433.	3.3	16
404	Role of the non-conserved amino acid asparagine 285 in the glycone-binding pocket of Neosartorya fischeri Î²-glucosidase. RSC Advances, 2016, 6, 48137-48144.	3.6	16
405	Carbon microspheres with well-developed micro- and mesopores as excellent selenium host materials for lithiumâ€“selenium batteries with superior performances. Journal of Materials Chemistry A, 2018, 6, 21410-21418.	10.3	16
406	Trimodally porous N-doped carbon frameworks with an interconnected pore structure as selenium immobilizers for high-performance Li-Se batteries. Materials Characterization, 2019, 151, 590-601.	4.4	16
407	N-doped carbon coated Ni-Mo sulfide tubular structure decorated with nanobubbles for enhanced sodium storage performance. Chemical Engineering Journal, 2020, 383, 123112.	12.7	16
408	Preparation of activated carbon decorated with carbon dots and its electrochemical performance. Journal of Industrial and Engineering Chemistry, 2020, 82, 383-389.	5.8	16
409	Ultrasonic spray pyrolysis for air-stable copper particles and their conductive films. Acta Materialia, 2021, 206, 116569.	7.9	16
410	Synthesis of <scp>MnSe</scp> @C yolkâ€shell nanospheres via a water vaporâ€assisted strategy for use as anode in sodiumâ€ion batteries. International Journal of Energy Research, 2022, 46, 2500-2511.	4.5	16
411	Effect of Aluminum Polycation Solution on the Morphology and VUV Characteristics of BaMgAl[sub 10]O[sub 17] Blue Phosphor Prepared by Spray Pyrolysis. Electrochemical and Solid-State Letters, 2003, 6, H27.	2.2	15
412	Characteristics of samaria-doped ceria nanoparticles prepared by spray pyrolysis. Ceramics International, 2010, 36, 465-471.	4.8	15
413	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.	5.2	15
414	Characterization of a Mannose-6-Phosphate Isomerase from Bacillus amyloliquefaciens and Its Application in Fructose-6-Phosphate Production. PLoS ONE, 2015, 10, e0131585.	2.5	15

#	Article	IF	Citations
415	Superior electrochemical properties of SiO2-doped Co3O4 hollow nanospheres obtained through nanoscale Kirkendall diffusion for lithium-ion batteries. Journal of Alloys and Compounds, 2016, 680, 366-372.	5.5	15
416	All-in-One Beaker Method for Large-Scale Production of Metal Oxide Hollow Nanospheres Using Nanoscale Kirkendall Diffusion. ACS Applied Materials & Interfaces, 2016, 8, 3800-3809.	8.0	15
417	Amorphous Cobalt Selenite Nanoparticles Decorated on a Graphitic Carbon Hollow Shell for High-Rate and Ultralong Cycle Life Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 17707-17717.	6.7	15
418	Porous nanofibers comprised of hollow SnO2 nanoplate building blocks for high-performance lithium ion battery anode. Materials Characterization, 2020, 161, 110099.	4.4	15
419	Submicron-Size BaAl12O19:Mn Phosphor Particles with Spherical Morphology. Journal of Materials Science Letters, 1999, 18, 779-781.	0.5	14
420	Improvement of Brightness of Gd2O3:Eu Phosphor Particles Using Boric Acid Flux in the Spray Pyrolysis. Japanese Journal of Applied Physics, 2000, 39, L31-L33.	1.5	14
421	Vacuum Ultraviolet Characteristics of Fine GdPO4:Tb Phosphor Particles With Spherical Shape. Japanese Journal of Applied Physics, 2002, 41, 5590-5593.	1.5	14
422	Effect of oxide additives on the sintering behavior and electrical properties of strontium- and magnesium-doped lanthanum gallate. Journal of the European Ceramic Society, 2010, 30, 2593-2601.	5.7	14
423	Characteristics of silverâ€“glass composite powders as the silver electrode for Si solar cells. Journal of Alloys and Compounds, 2010, 491, 584-588.	5.5	14
424	Electrochemical properties of nanosized LiCrO2Â·Li2MnO3 composite powders prepared by a new concept spray pyrolysis. Electrochimica Acta, 2012, 69, 345-350.	5.2	14
425	Characteristics of Li2TiO3â€“LiCrO2 composite cathode powders prepared by ultrasonic spray pyrolysis. Journal of Power Sources, 2013, 244, 336-343.	7.8	14
426	Alkali resistant Ni-loaded yolk-shell catalysts for direct internal reforming in molten carbonate fuel cells. Journal of Power Sources, 2017, 352, 1-8.	7.8	14
427	Green-emitting yttrium silicate phosphor particles prepared by large scale ultrasonic spray pyrolysis. Korean Journal of Chemical Engineering, 2003, 20, 930-933.	2.7	13
428	Effect of boric acid on the properties of Li2MnO3Â·LiNi0.5Mn0.5O2 composite cathode powders prepared by large-scale spray pyrolysis with droplet classifier. Materials Research Bulletin, 2012, 47, 4359-4364.	5.2	13
429	Yolkâ€“shell structured Y2O3:Eu3+ phosphor powders with enhanced photoluminescence properties prepared by spray pyrolysis. CrystEngComm, 2014, 16, 6170.	2.6	13
430	Comparison of the electrochemical properties of yolkâ€“shell and dense structured CoFe₂O₄powders prepared by a spray pyrolysis process. RSC Advances, 2014, 4, 40188.	3.6	13
431	Large-scale production of fine-sized Zn2SiO4:Mn phosphor microspheres with a dense structure and good photoluminescence properties by a spray-drying process. RSC Advances, 2014, 4, 43606-43611.	3.6	13
432	Superior electrochemical properties of Î±-Fe 2 O 3 nanofibers with a porous core/dense shell structure formed from iron acetylacetonate-polyvinylpyrrolidone composite fibers. Electrochimica Acta, 2015, 154, 211-218.	5.2	13

#	Article	IF	Citations
433	Electrochemical properties of CuO hollow nanopowders prepared from formless Cuâ€“C composite via nanoscale Kirkendall diffusion process. Journal of Alloys and Compounds, 2016, 671, 74-83.	5.5	13
434	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.	10.3	13
435	Superior Electrochemical Properties of Composite Microspheres Consisting of Hollow Fe₂O₃ Nanospheres and Graphitic Carbon. ACS Sustainable Chemistry and Engineering, 2018, 6, 11759-11767.	6.7	13
436	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.	7.8	13
437	Phase control of WCâ€“Co hardmetal using additive manufacturing technologies. Powder Metallurgy, 2022, 65, 13-21.	1.7	13
438	A strategy for fabricating three-dimensional porous architecture comprising metal oxides/CNT as highly active and durable bifunctional oxygen electrocatalysts and their application in rechargeable Zn-air batteries. Chemical Engineering Journal, 2021, 414, 128815.	12.7	13
439	Macroporous microspheres consisting of thickness-controlled bamboo-like CNTs and flower-like Co₃O₄ nanoparticles as highly efficient bifunctional oxygen electrocatalysts for Znâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 25160-25167.	10.3	13
440	The Effect of Metal Chloride Fluxes on the Properties of Phosphor Particles in Spray Pyrolysis. Japanese Journal of Applied Physics, 2000, 39, L1305-L1307.	1.5	12
441	High luminescence Y2O3 : Eu phosphor particles prepared by modified spray pyrolysis. Journal of Materials Science Letters, 2002, 21, 1027-1029.	0.5	12
442	Size-dependent luminescent properties of hollow and dense BaMgAl10O17: Eu blue phosphor particles prepared by spray pyrolysis. Korean Journal of Chemical Engineering, 2004, 21, 1072-1080.	2.7	12
443	Morphology control and luminescent property of Y3Al5O12:Tb particles prepared by spray pyrolysis. Materials Research Bulletin, 2005, 40, 2212-2218.	5.2	12
444	Fine size Sr2CeO4 phosphor particles prepared by spray pyrolysis from polymeric precursor solution. Materials Letters, 2006, 60, 334-338.	2.6	12
445	Luminescence Characteristics of Eu-Doped Calcium Magnesium Chlorosilicate Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2006, 45, 1617-1622.	1.5	12
446	Characteristics of nano-sized pb-based glass powders by high temperature spray pyrolysis method. Journal of the Ceramic Society of Japan, 2008, 116, 600-604.	1.1	12
447	Effects of La content on the properties of Ba1â^'xLaxTiO3 powders prepared by spray pyrolysis. Metals and Materials International, 2009, 15, 809-814.	3.4	12
448	Electrochemical properties of nanometer-sized 0.6Li2MnO3Â·0.4LiNi0.5Mn0.5O2 composite powders prepared by flame spray pyrolysis. Ceramics International, 2013, 39, 331-336.	4.8	12
449	Role of a remote leucine residue in the catalytic function of polyol dehydrogenase. Molecular BioSystems, 2014, 10, 3255-3263.	2.9	12
450	Structureâ€based studies on the metal binding of twoâ€metalâ€dependent sugar isomerases. FEBS Journal, 2014, 281, 3446-3459.	4.7	12

#	Article	IF	Citations
451	Fabrication and electrochemical performance of 0.6Li2MnO3-0.4Li(Ni1/3Co1/3Mn1/3)O2 microspheres by two-step spray-drying process. Scientific Reports, 2015, 4, 5752.	3.3	12
452	Unraveling the Issue of Ag Migration in Printable Source/Drain Electrodes Compatible with Versatile Solution-Processed Oxide Semiconductors for Printed Thin-Film Transistor Applications. ACS Applied Materials & Interfaces, 2017, 9, 14058-14066.	8.0	12
453	Strategy for synthesizing mesoporous NiO polyhedra with empty nanovoids via oxidation of NiSe polyhedra by nanoscale Kirkendall diffusion and their superior lithium-ion storage performance. Applied Surface Science, 2019, 464, 597-605.	6.1	12
454	Preparation of high surface area Mgal2O4 particles from colloidal solution using filter expansion aerosol generator. Journal of the European Ceramic Society, 1998, 18, 641-646.	5.7	11
455	One-step synthesis of the green phosphor Ce-Tb-Mg-Al-O system with spherical particle shape and fine size. Applied Physics A: Materials Science and Processing, 2001, 72, 103-105.	2.3	11
456	The synthesis of (Y1-xGdx)2O3:Eu phosphor particles by flame spray pyrolysis with LiCl flux. Applied Physics A: Materials Science and Processing, 2003, 77, 659-663.	2.3	11
457	Preparation of Layered Li[Ni1/2Mn1/2]O2by Ultrasonic Spray Pyrolysis Method. Chemistry Letters, 2003, 32, 446-447.	1.3	11
458	Fine-sized LiCoO2 particles prepared by spray pyrolysis from polymeric precursor solution. Materials Research Bulletin, 2007, 42, 362-370.	5.2	11
459	Firing characteristics of La0.8Sr0.2Ga0.8Mg0.2O3â˜Î´ electrolyte powders prepared by spray pyrolysis. Journal of Alloys and Compounds, 2009, 487, 693-697.	5.5	11
460	Characteristics of ZnOâ€“B2O3â€“SiO2â€“CaO glass frits prepared by spray pyrolysis as inorganic binder for Cu electrode. Journal of Alloys and Compounds, 2011, 509, 8077-8081.	5.5	11
461	Effect of preparation temperature on the morphology, crystal structure and electrochemical properties of LiV3O8 powders prepared by spray pyrolysis. Materials Chemistry and Physics, 2011, 126, 133-137.	4.0	11
462	Low-temperature sintering and electrical properties of strontium- and magnesium-doped lanthanum gallate with V2O5 additive. Journal of Power Sources, 2011, 196, 2971-2978.	7.8	11
463	Nano-sized LiNi0.5Mn1.5O4 cathode powders with good electrochemical properties prepared by high temperature flame spray pyrolysis. Journal of Industrial and Engineering Chemistry, 2013, 19, 1204-1208.	5.8	11
464	Synthesis of hollow cobalt oxide nanopowders by a salt-assisted spray pyrolysis process applying nanoscale Kirkendall diffusion and their electrochemical properties. Physical Chemistry Chemical Physics, 2015, 17, 31988-31994.	2.8	11
465	High microporosity of carbide-derived carbon prepared from a vacuum-treated precursor for energy storage devices. Carbon, 2017, 118, 327-338.	10.3	11
466	Sodium-ion storage performances of MoS2 nanocrystals coated with N-doped carbon synthesized by flame spray pyrolysis. Applied Surface Science, 2020, 523, 146470.	6.1	11
467	Synthesis of yolkâ€“shellâ€“structured iron monosulfideâ€“carbon microspheres and understanding of their conversion reaction for potassiumâ€“ion storage. International Journal of Energy Research, 2021, 45, 14910-14919.	4.5	11
468	Investigating the role of metals loaded on nitrogen-doped carbon-nanotube electrodes in electroenzymatic alcohol dehydrogenation. Applied Catalysis B: Environmental, 2022, 307, 121195.	20.2	11

#	Article	IF	Citations
469	(CeTb)MgAl11O19Phosphor Particles Prepared by Spray Pyrolysis from Spray Solution Containing Citric Acid and Ethylene Glycol. Japanese Journal of Applied Physics, 2005, 44, 4975-4978.	1.5	10
470	Morphology Control of Gd2O3:Eu Phosphor Particles with Cubic and Monoclinic Phases Prepared by High-Temperature Spray Pyrolysis. Japanese Journal of Applied Physics, 2006, 45, 5018-5022.	1.5	10
471	LiMn2O4 particles prepared by spray pyrolysis from spray solution with citric acid and ethylene glycol. Journal of Materials Science, 2007, 42, 5369-5374.	3.7	10
472	Generation of phosphor particles for photoluminescence applications by spray pyrolysis. Journal of Materials Science, 2007, 42, 9783-9794.	3.7	10
473	Fine-sized BaMgAl10O17:Eu2+ phosphor powders prepared by spray pyrolysis from the spray solution with BaF2 flux. Ceramics International, 2009, 35, 2651-2657.	4.8	10
474	Characteristics of Snâ€“Ni alloy powders directly prepared by spray pyrolysis. Journal of Alloys and Compounds, 2009, 478, 177-180.	5.5	10
475	Conductive silver films formed from nano-sized silver powders prepared by flame spray pyrolysis. Materials Chemistry and Physics, 2010, 124, 959-963.	4.0	10
476	Nano-sized Agâ€“BaTiO3 composite powders with various amount of Ag prepared by spray pyrolysis. Journal of the European Ceramic Society, 2013, 33, 1335-1341.	5.7	10
477	Superior lithium-ion storage performances of SnO2 powders consisting of hollow nanoplates. Journal of Alloys and Compounds, 2019, 797, 380-389.	5.5	10
478	Giant-miscanthus-derived activated carbon and its application to lithium sulfur batteries. Carbon Letters, 2020, 30, 477-484.	5.9	10
479	Efficient strategy for hollow carbon nanospheres embedded with nickel hydroxide nanocrystals and their excellent lithium-ion storage performances. Scripta Materialia, 2020, 188, 112-117.	5.2	10
480	Less energy-intensive synthesis of mesoporous multi-oriented graphite microspheres with low defect concentration for advanced potassium-ion battery anodes. Chemical Engineering Journal, 2022, 443, 136545.	12.7	10
481	Precursor Type Influence on the Morphology and VUV Characteristics of GdPO[sub 4]:Tb Phosphor Particles Prepared by Spray Pyrolysis. Electrochemical and Solid-State Letters, 2002, 5, H31.	2.2	9
482	Y3Al5O12:Tb phosphor particles prepared by spray pyrolysis from spray solution with polymeric precursors and ammonium fluoride flux. Materials Letters, 2005, 59, 2383-2387.	2.6	9
483	Submicron size Li(Ni1/3Co1/3Mn1/3)O2 particles prepared by spray pyrolysis from polymeric precursor solution. Journal of Materials Science: Materials in Electronics, 2006, 17, 353-359.	2.2	9
484	Effect of Boric Acid Flux and Drying Control Chemical Additive on the Characteristics of Y2O3:Eu Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2006, 45, 9083-9087.	1.5	9
485	Characteristics of ZnOâ€“B2O3â€“CaOâ€“Na2Oâ€“P2O5 glass powders prepared by spray pyrolysis. Journal of Non-Crystalline Solids, 2008, 354, 3012-3018.	3.1	9
486	Nano-sized LaMnO3 powders prepared by spray pyrolysis from spray solution containing citric acid. Journal of the Ceramic Society of Japan, 2008, 116, 141-145.	1.1	9

#	Article	IF	Citations
487	Spherical shape Niâ€“Co alloy powders directly prepared by spray pyrolysis. Journal of Alloys and Compounds, 2009, 478, 206-209.	5.5	9
488	Characteristics of BaOâ€“B2O3â€“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.	5.5	9
489	Size-controlled silver-glass composite powders with nanometer size prepared by flame spray pyrolysis. Powder Technology, 2011, 207, 362-369.	4.2	9
490	Synthesis and electrochemical properties of nanorod-shaped LiMn1.5Ni0.5O4 cathode materials for lithium-ion batteries. Materials Chemistry and Physics, 2012, 132, 223-227.	4.0	9
491	Continuous one-pot synthesis of sandwich structured coreâ€“shell particles and transformation to yolkâ€“shell particles. Chemical Communications, 2013, 49, 3884.	4.1	9
492	Characteristics of stabilized spinel cathode powders obtained by in-situ coating method. Journal of Power Sources, 2013, 244, 625-630.	7.8	9
493	Large-scale production of spherical Y₂O₃:Eu³⁺ phosphor powders with narrow size distribution using a two-step spray drying method. RSC Advances, 2014, 4, 62965-62970.	3.6	9
494	Superior Supercapacitor Properties of Composite Powders with Amorphous NiO Nanoclusters Distributed Uniformly in an Amorphous Carbon Matrix. Chemistry - an Asian Journal, 2014, 9, 2453-2457.	3.3	9
495	Design and synthesis of metal oxide hollow nanopowders for lithium-ion batteries by combining nanoscale Kirkendall diffusion and flame spray pyrolysis. Ceramics International, 2016, 42, 5461-5471.	4.8	9
496	Electrochemical properties of core-shell structured NiO@SiO2 ultrafine nanopowders below 10 nm for lithium-ion storages. Electrochimica Acta, 2016, 190, 835-842.	5.2	9
497	Enhanced Li-ion storage performance of novel tube-in-tube structured nanofibers with hollow metal oxide nanospheres covered with a graphitic carbon layer. Nanoscale, 2020, 12, 8404-8414.	5.6	9
498	General strategy for yolk-shell nanospheres with tunable compositions by applying hollow carbon nanospheres. Chemical Engineering Journal, 2021, 406, 126840.	12.7	9
499	Optimization of Î²-Glucosidase Production by a Strain of Stereum hirsutum and Its Application in Enzymatic Saccharification. Journal of Microbiology and Biotechnology, 2013, 23, 351-356.	2.1	9
500	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.	2.3	9
501	A Novel Highâ€Performance TiO_{2â€x}/TiO_{1â€y}N_y Coating Material for Silicon Anode in Lithiumâ€Ion Batteries. Small Methods, 2022, 6, .	8.6	9
502	Macroporous vanadium dioxideâ€“reduced graphene oxide microspheres: Cathode material with enhanced electrochemical kinetics for aqueous zinc-ion batteries. Applied Surface Science, 2022, 599, 153890.	6.1	9
503	Photoluminescence Properties of Ce1-xTbxMgAl11O19Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 1999, 38, 2013-2016.	1.5	8
504	Luminescence Characteristics of Eu-doped Strontium Halophosphate Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2001, 40, 3222-3225.	1.5	8

#	Article	IF	Citations
505	ZnGa2O4:Mn Phosphor Particles with Spherical Shape and Clean Surface. Japanese Journal of Applied Physics, 2002, 41, 4559-4562.	1.5	8
506	Spherical shape BaO-ZnO-B2O3-SiO2 glass powders prepared by spray pyrolysis. Applied Physics A: Materials Science and Processing, 2007, 89, 769-774.	2.3	8
507	Nano-sized manganese oxide particles prepared by low-pressure spray pyrolysis using FEAG process. Materials Research Bulletin, 2008, 43, 590-600.	5.2	8
508	Characteristics of fine size Fe-Ni alloy powders directly prepared by spray pyrolysis. Metals and Materials International, 2010, 16, 643-647.	3.4	8
509	Characteristics of Eu2+-doped Ca-Î±-SiAlON phosphor powders prepared by spray pyrolysis process. Optical Materials, 2011, 33, 538-542.	3.6	8
510	Dielectric properties of nano-sized Ba0.7Sr0.3TiO3 powders prepared by spray pyrolysis. Ceramics International, 2012, 38, 4029-4033.	4.8	8
511	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.	21.0	8
512	Advanced yolkâ€“shell hydroxyapatite for bone graft materials: kilogram-scale production and structure-in vitro bioactivity relationship. RSC Advances, 2014, 4, 25234.	3.6	8
513	Electrochemical properties of yolk-shell structured layered-layered composite cathode powders prepared by spray pyrolysis. Electrochimica Acta, 2014, 144, 288-294.	5.2	8
514	Capacitive properties of reduced graphene oxide microspheres with uniformly dispersed nickel sulfide nanocrystals prepared by spray pyrolysis. Electrochimica Acta, 2015, 167, 287-293.	5.2	8
515	Screening and characterization of an Agrobacterium tumefaciens mutant strain producing high level of coenzyme Q10. Process Biochemistry, 2015, 50, 33-39.	3.7	8
516	Doubleâ€shell and yolkâ€shell structured <scp>ZnSe</scp> â€carbon nanospheres as anode materials for highâ€performance potassiumâ€ion batteries. International Journal of Energy Research, 2022, 46, 3539-3553.	4.5	8
517	Aerosolâ€assisted synthesis of bimetallic nanoparticleâ€loaded bambooâ€like Nâ€doped carbon nanotubes as an efficient bifunctional oxygen catalyst for Znâ€air batteries. International Journal of Energy Research, 2022, 46, 5215-5225.	4.5	8
518	Luminescence and CL Saturation Characteristics of Eu doped Y-Al-O Multicomposition Phosphor Prepared by Spray Pyrolysis. Journal of the Electrochemical Society, 2004, 151, H180.	2.9	7
519	The characteristics of the size-controlled Pb-based glass powders with spherical shape. Materials Letters, 2007, 61, 3669-3672.	2.6	7
520	Firing characteristics of nano-sized glass powders prepared by flame spray pyrolysis for electrode application. Journal of the Ceramic Society of Japan, 2009, 117, 1311-1316.	1.1	7
521	Characteristics of Fe powders prepared by spray pyrolysis from various types of Fe precursors as a heat pellet material. Metals and Materials International, 2010, 16, 941-946.	3.4	7
522	Characteristics of nano-sized silverâ€“glass composite powders prepared by flame spray pyrolysis. Journal of Alloys and Compounds, 2010, 489, 456-460.	5.5	7

#	Article	IF	Citations
523	Electrochemical Carbon Formation from a Graphite Anode in Li2O/LiCl Molten Salt. Asian Journal of Chemistry, 2013, 25, 7019-7022.	0.3	7
524	Large scale production of yolkâ€“shell Î²-tricalcium phosphate powders, and their bioactivities as novel bone substitutes. Physical Chemistry Chemical Physics, 2014, 16, 16962.	2.8	7
525	Electrochemical properties of amorphous GeO x -C composite microspheres prepared by a one-pot spray pyrolysis process. Ceramics International, 2017, 43, 5534-5540.	4.8	7
526	RGO/sAC composites as electrode materials for supercapacitors to enhance electrochemical performance. Journal of Physics and Chemistry of Solids, 2019, 131, 69-78.	4.0	7
527	Investigation of the potassiumâ€ion storage mechanism of nickel selenide materials and rational design of nickel <scp>selenideâ€€</scp> yolkâ€shell structure for enhancing electrochemical properties. International Journal of Energy Research, 2022, 46, 5800-5810.	4.5	7
528	One-pot spray pyrolysis for coreâ€“shell structured Sn@SiOC anode nanocomposites that yield stable cycling in lithium-ion batteries. Applied Surface Science, 2022, 589, 152952.	6.1	7
529	Effect of preparation temperature on the characteristics of Eu-doped borate phosphor particles in the spray pyrolysis. Materials Letters, 2006, 60, 3091-3095.	2.6	6
530	Ca7.97-xMg(SiO4)4Cl2:Eu0.03,Dx(D=Y, Gd, Mn) Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2008, 47, 163-166.	1.5	6
531	Microstructure and electrical properties of nano-sized Ce1-xGdxO2 (0 .LEQ. x .LEQ. 0.2) particles prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2008, 116, 969-974.	1.1	6
532	Fine-sized BaMgAl10O17:Eu2+ phosphor powders with plate-like morphology prepared by AlF3 flux-assisted spray pyrolysis. Journal of the Ceramic Society of Japan, 2008, 116, 584-588.	1.1	6
533	The effects of glass powders prepared by spray pyrolysis on the structures and conductivities of silver electrode. Materials Chemistry and Physics, 2009, 118, 25-31.	4.0	6
534	BaMgAl10O17: Eu2+ phosphor powders prepared from precursor powders with a hollow and thin wall structure containing NH4F flux. Electronic Materials Letters, 2010, 6, 81-86.	2.2	6
535	Electrical and morphological properties of conducting layers formed from the silverâ€“glass composite conducting powders prepared by spray pyrolysis. Journal of Colloid and Interface Science, 2010, 343, 1-6.	9.4	6
536	SiO[sub 2]-Tolerant Grain-Boundary Conduction in Sr- and Mg-Doped Lanthanum Gallate. Electrochemical and Solid-State Letters, 2010, 13, B28.	2.2	6
537	Fine size (Y,Gd)BO3:Eu phosphor powders prepared from precursor powders with hollow shape and large size. Journal of Alloys and Compounds, 2010, 503, 260-265.	5.5	6
538	Superior electrochemical performances of double-shelled CuO yolkâ€“shell powders formed from spherical copper nitrateâ€“polyvinylpyrrolidone composite powders. RSC Advances, 2014, 4, 58231-58237.	3.6	6
539	An efficient ribitol-specific dehydrogenase from Enterobacter aerogenes. Enzyme and Microbial Technology, 2015, 72, 56-64.	3.2	6
540	Electrochemical properties of hollow copper (II) oxide nanopowders prepared by salt-assisted spray drying process applying nanoscale Kirkendall diffusion. Journal of Applied Electrochemistry, 2016, 46, 469-477.	2.9	6

#	Article	IF	Citations
541	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.	6.1	6
542	Initial investigation of bimetal hydroxysulfide as a new anode material for efficient sodium-ion storage. Chemical Engineering Journal, 2021, 410, 128401.	12.7	6
543	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.	4.5	6
544	Direct Synthesis of High-Brightness (CeTb)MgAl11O19Phosphor Particles by Spray Pyrolysis with Boric Acid Flux. Japanese Journal of Applied Physics, 2006, 45, 116-120.	1.5	5
545	Effect of alkali metal on the properties of Bi-based glass powders prepared by spray pyrolysis. Applied Physics A: Materials Science and Processing, 2008, 90, 733-737.	2.3	5
546	Droplet size control in the filter expansion aerosol generator. Journal of the European Ceramic Society, 2008, 28, 2617-2623.	5.7	5
547	Effects of solvent on the properties of nano-sized glass powders prepared by flame spray pyrolysis. Journal of the Ceramic Society of Japan, 2008, 116, 334-340.	1.1	5
548	Sintering behavior of La2O3â€"B2O3â€"TiO2 glass powders prepared by spray pyrolysis for low temperature co-fired ceramics. Ceramics International, 2009, 35, 1829-1835.	4.8	5
549	Characteristics of nano-sized tin dioxide powders prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 922-925.	1.1	5
550	Firing characteristics of size-controlled silverâ€"glass composite powders prepared by spray pyrolysis. Powder Technology, 2010, 198, 347-353.	4.2	5
551	Effect of BaF2 as the source of Ba component and flux material in the preparation of Ba1.1Sr0.88SiO4:Eu0.02 phosphor by spray pyrolysis. Ceramics International, 2010, 36, 339-343.	4.8	5
552	Nano-sized silver powders coated with Pb-based glass material with high glass transition temperature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 361, 45-50.	4.7	5
553	Fine-sized Tb3Al5O12:Ce phosphor powders prepared by spray pyrolysis from spray solution with ethylenediaminetetraacetic acid. Electronic Materials Letters, 2012, 8, 283-287.	2.2	5
554	Flame Spray Pyrolysis for Finding Multicomponent Nanomaterials with Superior Electrochemical Properties in the CoO_xâ€FeO_x System for Use in Lithiumâ€Ion Batteries. Chemistry - an Asian Journal, 2014, 9, 2826-2830.	3.3	5
555	Superior electrochemical properties of micron-sized aggregates of (Co0.5Fe0.5)3O4 hollow nanospheres and graphitic carbon. Chemical Engineering Journal, 2018, 346, 351-360.	12.7	5
556	Uniquely structured quaternary metal oxide polyhedra as efficient anode materials for lithium-ion batteries. Applied Surface Science, 2020, 509, 144918.	6.1	5
557	A 3D Porous Inverse Opal Ni Structure on a Cu Current Collector for Stable Lithiumâ€Metal Batteries. Batteries and Supercaps, 2022, 5, e202100257.	4.7	5
558	(YGd)BO3:Eu Phosphor Particles Prepared from the Solution of Polymeric Precursors by Spray Pyrolysis. Japanese Journal of Applied Physics, 2002, 41, 6007-6010.	1.5	4

#	Article	IF	Citations
559	Fine Size Cobalt Oxide Powders Prepared by Spray Pyrolysis Using Two Types of Spray Generators. Journal of the Ceramic Society of Japan, 2007, 115, 507-510.	1.1	4
560	Formation of BaMgAl10O17:Eu Phosphor Particles with Spherical Shape and Filled Morphology in the Flame Spray Pyrolysis. Journal of the Ceramic Society of Japan, 2007, 115, 530-535.	1.1	4
561	Fine cathode particles prepared by solid-state reaction method using nano-sized precursor particles. Journal of Power Sources, 2007, 174, 1161-1166.	7.8	4
562	The characteristics of Li(CoxNi1â^'x)O2 cathode powders formed from the fine-sized Co3O4/NiO precursor powders. Journal of Alloys and Compounds, 2008, 450, 457-462.	5.5	4
563	Effects ofN,N-Dimethylacetamide as Drying Control Chemical Additive on Characteristics of Zn2SiO4:Mn,Ba Phosphor Powders Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2008, 47, 7407-7411.	1.5	4
564	Effects of the ratio of manganese and nickel components on the characteristics of Lix(MnyNi1â^'y)Oz cathode powders prepared by spray pyrolysis. Journal of Alloys and Compounds, 2009, 469, 304-309.	5.5	4
565	Synthesis and characterization of NiFe2O4 nanopowders via spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 1069-1073.	1.1	4
566	Size-controlled Bi-based glass powders prepared by spray pyrolysis as inorganic additives for silver electrode. Ceramics International, 2010, 36, 1171-1176.	4.8	4
567	Characteristics of Pb-based glass powders prepared by spray pyrolysis as inorganic additive of Al paste for solar cell. Solar Energy Materials and Solar Cells, 2011, 95, 34-38.	6.2	4
568	Properties of Bi-based glass powders with low glass transition temperature, spherical shape and fine size as the additive of silver conducting paste. Electronic Materials Letters, 2012, 8, 643-648.	2.2	4
569	Combustion characteristics of the heat pellet prepared from the Fe powders obtained by spray pyrolysis. Advanced Powder Technology, 2012, 23, 387-392.	4.1	4
570	Effects of post-annealing on electrical properties of amorphous Ga-doped Znâ€“Snâ€“O semiconductor films. Journal of Non-Crystalline Solids, 2012, 358, 2616-2619.	3.1	4
571	Morphologies and electrochemical properties ofÂ0.6Li2MnO3Â·0.4LiCoO2 composite cathode powders prepared byÂspray pyrolysis. Materials Chemistry and Physics, 2013, 142, 438-444.	4.0	4
572	Coreâ€“shell-structure Agâ€“BaTiO3 composite nanopowders prepared directly by flame spray pyrolysis. Materials Chemistry and Physics, 2013, 140, 266-272.	4.0	4
573	Extremely Low-Cost, Scalable Oxide Semiconductors Employing Poly(acrylic acid)-Decorated Carbon Nanotubes for Thin-Film Transistor Applications. ACS Applied Materials & Interfaces, 2016, 8, 29858-29865.	8.0	4
574	Synthesis of threeâ€dimensional Co/ CoO /Nâ€doped carbon nanotube composite for zinc air battery. International Journal of Energy Research, 2021, 45, 16091-16101.	4.5	4
575	Hybrid Structure of TiO2-Graphitic Carbon as a Support of Pt Nanoparticles for Catalyzing Oxygen Reduction Reaction. Catalysts, 2021, 11, 1196.	3.5	4
576	Morphological and Electrochemical Properties of ZnMn2O4 Nanopowders and Their Aggregated Microspheres Prepared by Simple Spray Drying Process. Nanomaterials, 2022, 12, 680.	4.1	4

#	Article	IF	Citations
577	Preparation of perovskite-type La0.85Sr0.15MnO3 particles by spray pyrolysis using a filter expansion aerosol generator. Journal of Materials Science Letters, 1997, 16, 1201-1204.	0.5	3
578	Title is missing!. Journal of Materials Science Letters, 2003, 22, 1527-1529.	0.5	3
579	Effect of Manganese Source Material on Characteristics of Zn2SiO4:Mn Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2005, 44, 233-234.	1.5	3
580	The Effect of flux types on the formation of green light emitting phosphor particles with spherical shape and filled morphology. Journal of Materials Science: Materials in Electronics, 2006, 17, 341-346.	2.2	3
581	LiMn2O4 Powders Prepared from Nano-Sized Manganese Oxide Powders. Journal of the Ceramic Society of Japan, 2007, 115, 241-244.	1.3	3
582	Effects of Y/Gd Ratio and Boron Excess on Vacuum Ultraviolet Characteristics and Morphology of (Y,Gd)BO3:Eu Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2007, 46, 3424-3427.	1.5	3
583	Fine cathode particles prepared by solid-state reaction method using nano-sized precursor particles. Journal of Power Sources, 2007, 174, 598-602.	7.8	3
584	Gd2O3:Eu phosphor powders prepared using a size-controllable droplet generator. Optical Materials, 2008, 30, 1810-1815.	3.6	3
585	Spherical shape Ba-based glass powders prepared by spray pyrolysis for MLCCs. Journal of Electroceramics, 2009, 23, 437-441.	2.0	3
586	Characteristics of size controlled hydroxyapatite powders with nanometer size prepared by flame spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 1060-1064.	1.1	3
587	Characteristics of Bi-based glass powders with various glass transition temperatures prepared by spray pyrolysis. Ceramics International, 2010, 36, 1749-1753.	4.8	3
588	Characteristics of Ag powders coated with Pb-based glass material prepared by spray pyrolysis under various gas environments. Ceramics International, 2010, 36, 2477-2483.	4.8	3
589	Low-temperature sintering characteristics of nano-sized BaNd2Ti5O14 and Bi2O3â€“B2O3â€“ZnOâ€“SiO2 glass powders prepared by gas-phase reactions. Materials Research Bulletin, 2011, 46, 2112-2116.	5.2	3
590	Improving the Electrochemical Performance of Lithium Metal Batteries with Hollow Shell Microspheres and Polypyrrole Vapor Phase-Coated LiV₃O₈ Cathodes. Journal of the Electrochemical Society, 2018, 165, A2919-A2924.	2.9	3
591	Electrochemical properties of yolkâ€“shell structured cobalt hydroxy chlorideâ€“carbon composite as an anode for lithiumâ€ion batteries. International Journal of Energy Research, 2022, 46, 9761-9770.	4.5	3
592	Electrochemical properties of sulfurâ€“carbon hollow nanospheres with varied polar titanium oxide layer location for lithiumâ€“sulfur batteries. International Journal of Energy Research, 0, , .	4.5	3
593	Title is missing!. Journal of Materials Science Letters, 1997, 16, 1201-1204.	0.5	2
594	Characteristics of TAG:Ce Phosphor Particles Prepared by Ultrasonic Spray Pyrolysis. Solid State Phenomena, 2007, 124-126, 419-422.	0.3	2

#	Article	IF	Citations
595	Fine-sized LiCoO2 Cathode Powders Prepared from the Nano-sized Cobalt Oxide Powders Obtained by Gas Phase Reaction Method. Journal of the Ceramic Society of Japan, 2007, 115, 767-771.	1.1	2
596	The characteristics of Li(Ni1/3Co1/3Mn1/3)O2 particles prepared from precursor particles with spherical shape obtained by spray pyrolysis. Ceramics International, 2007, 33, 1093-1098.	4.8	2
597	The Role of Carbon Black in the Preparation of GdPO₄:Tb Phosphor Powders by Spray Pyrolysis. Japanese Journal of Applied Physics, 2009, 48, 116503.	1.5	2
598	Size control of Pb-based glass powders between 38 and 84 nm in the flame spray pyrolysis. Journal of Electroceramics, 2009, 23, 236-241.	2.0	2
599	Preparation and characteristics ofÂaÂBaOâ€“Al2O3â€“B2O3â€“SiO2â€“La2O3 glass ceramic via spray pyrolysis. Applied Physics A: Materials Science and Processing, 2009, 94, 411-417.	2.3	2
600	Effect of glass powders with spherical shape and fine size on the sintering behavior and dielectric properties of BaTiO3 ceramics. Journal of the Ceramic Society of Japan, 2009, 117, 675-679.	1.1	2
601	Preparation of silver-glass composite powder and conducting film. Journal of the Ceramic Society of Japan, 2010, 118, 353-356.	1.1	2
602	Effect of preparation conditions on the properties of silver-glass composite powders prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2010, 118, 25-29.	1.1	2
603	Properties of nano-sized glass powders prepared by flame spray pyrolysis as an inorganic binder in ink-jet printing. Journal of the Ceramic Society of Japan, 2010, 118, 613-616.	1.1	2
604	Eu-doped B2O3â€“ZnOâ€“PbO glass phosphor powders withÂspherical shape and fine size prepared by spray pyrolysis. Applied Physics A: Materials Science and Processing, 2010, 98, 671-677.	2.3	2
605	Characteristics of BaNd2Ti5O14 powders directly prepared by high-temperature spray pyrolysis. Ceramics International, 2010, 36, 63-68.	4.8	2
606	Composite conducting powders with coreâ€“shell structure as the new concept of electrode material. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 360, 69-73.	4.7	2
607	Effect of gas environment on the properties of silverâ€“glass composite powders with coreâ€“shell structure prepared by spray pyrolysis. Journal of Alloys and Compounds, 2010, 492, 723-730.	5.5	2
608	Characteristics of the glass powders with low Pb content directly prepared by spray pyrolysis. Journal of Alloys and Compounds, 2010, 502, 158-162.	5.5	2
609	Characteristics of nanosized Bi-based glass powders prepared by flame spray pyrolysis as transparent dielectric layer material. Ceramics International, 2011, 37, 687-690.	4.8	2
610	Characteristics of Ag-doped BaTiO3 nanopowders prepared by spray pyrolysis. Ceramics International, 2012, 38, 2071-2077.	4.8	2
611	Photo-immobilization of pseudozwitterionic polymers with balanced electrical charge for developing anti-coagulation surfaces. Journal of Industrial and Engineering Chemistry, 2020, 91, 263-272.	5.8	2
612	Electrochemical Effect of Cokesâ€Đerived Activated Carbon with Partially Graphitic Structure for Hybrid Supercapacitors. ChemElectroChem, 2021, 8, 3621-3628.	3.4	2

#	Article	IF	Citations
613	Novel synthetic strategy for a nanostructured metal hydroxysulfideâ€€ and its initial electrochemical investigation as a new anode material for potassiumâ€‐ion batteries. International Journal of Energy Research, 2022, 46, 6323-6336.	4.5	2
614	Luminescent Properties of (Ba,Sr)MgAl10O17:Mn,Eu Green Phosphor Prepared by Spray Pyrolysis under VUV Excitation.. ChemInform, 2005, 36, no.	0.0	1
615	Effect of preparation temperature on the formation of Sr2CeO4 phosphor particles in the spray pyrolysis. Korean Journal of Chemical Engineering, 2006, 23, 496-498.	2.7	1
616	Spherical Shape PbO-B2O3-SiO2 Glass Powders Prepared by Flame Spray Pyrolysis. Journal of the Ceramic Society of Japan, 2007, 115, 483-486.	1.1	1
617	Effects of amide types DCCAs on the properties of Y2O3:Eu phosphor powders with spherical shape and fine size. Journal of the Ceramic Society of Japan, 2008, 116, 955-959.	1.1	1
618	Characteristics of Ce0.6Tb0.4MgAl11O19 phosphor powders prepared by high temperature flame spray pyrolysis. Journal of Alloys and Compounds, 2009, 472, 367-372.	5.5	1
619	Properties of lithium cobaltate powders prepared by FEAG and ultrasonic spray pyrolysis process. Journal of the Ceramic Society of Japan, 2009, 117, 709-712.	1.1	1
620	Effect of precursor types on the characteristics of the Pb-based glass powders prepared by spray pyrolysis. Ceramics International, 2010, 36, 395-399.	4.8	1
621	Effect of preparation conditions and types of spray solutions on the formation of nano-sized silverâ€“glass composite powders in flame spray pyrolysis. Journal of Alloys and Compounds, 2010, 496, 536-542.	5.5	1
622	Characteristics of nano-sized Ag-Pd (70-30)-glass composite powders prepared by flame spray pyrolysis. Journal of the Ceramic Society of Japan, 2011, 119, 23-28.	1.1	1
623	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.	1.1	1
624	Characteristics of BaTiO3-coated Ag powders directly prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2012, 120, 15-20.	1.1	1
625	Sintering characteristics of nano-sized Agâ€“Pdâ€“glass composite powders with high Pd content. Journal of Materials Science, 2012, 47, 7090-7098.	3.7	1
626	Electro-Deoxidation Behavior of Graphite Oxide in Aqueous Solution. Journal of Chemical Engineering of Japan, 2013, 46, 245-249.	0.6	1
627	Sodiumâ€‐ion Batteries: Golden Bristlegrassâ€Like Hierarchical Graphene Nanofibers Entangled with Nâ€Doped CNTs Containing CoSe₂ Nanocrystals at Each Node as Anodes for Highâ€Rate Sodiumâ€‐ion Batteries (Small 38/2020). Small, 2020, 16, 2070207.	10.0	1
628	Novel synthesis method of cobalt hydroxycarbonate hydrateâ€‐reduced graphene oxide composite microspheres for lithiumâ€‐ion battery anode. International Journal of Energy Research, 2021, 45, 20302.	4.5	1
629	Dependence of Thermal and Electrochemical Properties of ceramic Coated Separators on the Ceramic Particle Size. Journal of the Korean Electrochemical Society, 2017, 20, 27-33.	0.1	1
630	Blue-Emitting Eu-Doped (Sr, Mg)5(PO4)3Cl Phosphor Particles Prepared by Spray Pyrolysis from the Spray Solution Containing Ammonium Chloride. Journal of the Ceramic Society of Japan, 2007, 115, 955-959.	1.1	0

#	Article	IF	Citations
631	GdPO4:Tb phosphor particles prepared by spray pyrolysis from the polymeric spray solution. Journal of the Ceramic Society of Japan, 2008, 116, 653-656.	1.1	0
632	Spherical shape BaNd2Ti5O14 powders prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2008, 116, 1289-1294.	1.1	0
633	Characteristics of carbon-glass composite powders with spherical shape and submicron size prepared by spray pyrolysis from colloidal spray solution. Journal of the Ceramic Society of Japan, 2009, 117, 1277-1280.	1.1	0
634	Properties of Li2O-ZnO-Al2O3-SiO2 glass-ceramic system prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 407-410.	1.1	0
635	Properties of Li2O-ZnO-Al2O3-SiO2 glass-ceramic system prepared by spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 717.	1.1	0
636	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.	1.1	0
637	Effects of precursors of glass material on the characteristics of silver-glass composite powders prepared by spray pyrolysis. Metals and Materials International, 2011, 17, 315-319.	3.4	0
638	Characteristics of Agâ€“Pdâ€“glass composite and Agâ€“Pd alloy powders prepared by spray pyrolysis. Powder Technology, 2011, 207, 318-323.	4.2	0
639	Characteristics of Fe powders prepared by spray pyrolysis from a spray solution with ethylene glycol as the source material of heat pellet. Metals and Materials International, 2012, 18, 445-449.	3.4	0
640	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.	10.0	0
641	Batteries: Synthesis of Uniquely Structured SnO₂ Hollow Nanoplates and Their Electrochemical Properties for Liâ€ion Storage (Adv. Funct. Mater. 4/2017). Advanced Functional Materials, 2017, 27, .	14.9	0
642	Magnetic Nanocoils: Remote Control of Timeâ€Regulated Stretching of Ligandâ€Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells (Adv. Mater. 11/2021). Advanced Materials, 2021, 33, 2170084.	21.0	0
643	Preparation of Green-Light Emitting BAM:Mn Phosphor Particles by High Temperature Spray Pyrolysis. Korean Journal of Materials Research, 2005, 15, 496-502.	0.2	0
644	Characteristics of Silver Electrode Formed from Nano-Sized Silver and Glass powders. Journal of Korean Institute of Metals and Materials, 2010, 48, .	1.0	0
645	Nitrogen-Doped and Carbon-Coated Activated Carbon as a Conductivity Additive-Free Electrode for Supercapacitors. Energies, 2021, 14, 7629.	3.1	0