

KIKUO OKUYAMA

List of Publications by Year in descending order

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507
papers

19,995
citations

10389

72
h-index

22832

112
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508
all docs

508
docs citations

508
times ranked

16061
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced magnetic performance of aligned wires assembled from nanoparticles: from nanoscale to macroscale. <i>Royal Society Open Science</i> , 2020, 7, 191656.	2.4	2
2	Design of Pyrrolic-N-Rich Carbon Dots with Absorption in the First Near-Infrared Window for Photothermal Therapy. <i>ACS Applied Nano Materials</i> , 2018, 1, 2368-2375.	5.0	94
3	Recovery and Recycling of Tungsten by Alkaline Leaching of Scrap and Charged Amino Group Assisted Precipitation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4246-4252.	6.7	18
4	Selective Low-Energy Carbon Dioxide Adsorption Using Monodisperse Nitrogen-Rich Hollow Carbon Submicron Spheres. <i>Langmuir</i> , 2018, 34, 30-35.	3.5	19
5	Energy-Efficient Templating Method for the Industrial Production of Porous Carbon Particles by a Spray Pyrolysis Process Using Poly(methyl methacrylate). <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 11335-11341.	3.7	16
6	Simple, Rapid, and Environmentally Friendly Method for Selectively Recovering Tantalum by Guanidine-Assisted Precipitation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9585-9590.	6.7	8
7	Correlations between Reduction Degree and Catalytic Properties of WO _x Nanoparticles. <i>ACS Omega</i> , 2018, 3, 8963-8970.	3.5	16
8	Facile fabrication of carbon nanotube forest-like films via coaxial electrospray. <i>Carbon</i> , 2017, 115, 116-119.	10.3	10
9	Direct synthesis of carbon quantum dots in aqueous polymer solution: one-pot reaction and preparation of transparent UV-blocking films. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5187-5194.	10.3	111
10	Facile and Efficient Removal of Tungsten Anions Using Lysine-Promoted Precipitation for Recycling High-Purity Tungsten. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3141-3147.	6.7	16
11	Role of Acetone in the Formation of Highly Dispersed Cationic Polystyrene Nanoparticles. <i>Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa</i> , 2017, 38, 5-18.	0.7	9
12	Efficient Recycling of Poly(lactic acid) Nanoparticle Templates for the Synthesis of Hollow Silica Spheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4941-4947.	6.7	18
13	Synthesis of Dual-Size Cellulose-Polyvinylpyrrolidone Nanofiber Composites via One-Step Electrospinning Method for High-Performance Air Filter. <i>Langmuir</i> , 2017, 33, 6127-6134.	3.5	61
14	Controlled surface topography of nanostructured particles prepared by spray-drying process. <i>AIChE Journal</i> , 2017, 63, 1503-1511.	3.6	25
15	Tunable Synthesis of Mesoporous Silica Particles with Unique Radially Oriented Pore Structures from Tetramethyl Orthosilicate via Oil-in-Water Emulsion Process. <i>Langmuir</i> , 2017, 33, 783-790.	3.5	33
16	Strong metal-support interactions (SMSIs) between Pt and Ti ³⁺ on Pt/TiO _x nanoparticles for enhanced degradation of organic pollutant. <i>Advanced Powder Technology</i> , 2017, 28, 2987-2995.	4.1	12
17	Aligned Fe ₃ O ₄ magnetic nanoparticle films by magneto-electrospray method. <i>RSC Advances</i> , 2017, 7, 40124-40130.	3.6	7
18	Metal-support interactions in catalysts for environmental remediation. <i>Environmental Science: Nano</i> , 2017, 4, 2076-2092.	4.3	79

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19	Correlation between particle size/domain structure and magnetic properties of highly crystalline Fe ₃ O ₄ nanoparticles. <i>Scientific Reports</i> , 2017, 7, 9894.	3.3	396
20	Surface Plasmon Enhanced Nitrogen-Doped Graphene Quantum Dot Emission by Single Bismuth Telluride Nanoplates. <i>Advanced Optical Materials</i> , 2017, 5, 1700176.	7.3	18
21	Enhanced Electrocatalytic Activity of Pt/3D Hierarchical Bimodal Macroporous Carbon Nanospheres. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23792-23799.	8.0	36
22	Highly conductive nano-sized Magnéli phases titanium oxide (TiO _x). <i>Scientific Reports</i> , 2017, 7, 3646.	3.3	79
23	Recent Progress in Nanoparticle Dispersion Using Bead Mill. <i>KONA Powder and Particle Journal</i> , 2017, 34, 3-23.	1.7	44
24	Tailored synthesis of macroporous Pt/WO ₃ photocatalyst with nanoaggregates via flame assisted spray pyrolysis. <i>AIChE Journal</i> , 2016, 62, 3864-3873.	3.6	28
25	Morphology-dependent electrocatalytic activity of nanostructured Pt/C particles from hybrid aerosol colloid process. <i>AIChE Journal</i> , 2016, 62, 440-450.	3.6	21
26	High production of CH ₄ and H ₂ by reducing PET waste water using a non-diaphragm-based electrochemical method. <i>Scientific Reports</i> , 2016, 6, 20512.	3.3	3
27	Rapid microwave-assisted synthesis of nitrogen-functionalized hollow carbon spheres with high monodispersity. <i>Carbon</i> , 2016, 107, 11-19.	10.3	40
28	Selective Biosorption and Recovery of Tungsten from an Urban Mine and Feasibility Evaluation. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2903-2910.	3.7	27
29	Kinetics of nitrogen-doped carbon dot formation via hydrothermal synthesis. <i>New Journal of Chemistry</i> , 2016, 40, 5555-5561.	2.8	73
30	Improvement of light scattering capacity in dye-sensitized solar cells by doping with SiO ₂ nanoparticles. <i>Journal of Power Sources</i> , 2016, 327, 96-103.	7.8	7
31	Synthesis of nitrogen-functionalized macroporous carbon particles via spray pyrolysis of melamine-resin. <i>RSC Advances</i> , 2016, 6, 83421-83428.	3.6	15
32	High-purity core-shell Fe ₃ O ₄ /Al ₂ O ₃ nanoparticles synthesized from hematite for rare-earth-free magnet applications. <i>Advanced Powder Technology</i> , 2016, 27, 2520-2525.	4.1	16
33	Role of N Configurations in the Photoluminescence of Graphene Quantum Dots Synthesized by a Hydrothermal Route. <i>Scientific Reports</i> , 2016, 6, 21042.	3.3	230
34	Heat-treated Escherichia coli as a high-capacity biosorbent for tungsten anions. <i>Bioresource Technology</i> , 2016, 218, 140-145.	9.6	11
35	Effect of magnetic field strength on the alignment of Fe ₁₆ N ₂ nanoparticle films. <i>Nanoscale</i> , 2016, 8, 2648-2655.	5.6	19
36	Hollow Silica as an Optically Transparent and Thermally Insulating Polymer Additive. <i>Langmuir</i> , 2016, 32, 338-345.	3.5	49

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37	Preparation and evaluation of magnetic nanocomposite fibers containing Fe_3O_4 - Fe^{16}N_2 and Fe nanoparticles in polyvinylpyrrolidone via magneto-electrospinning. <i>Nanotechnology</i> , 2016, 27, 025601.	2.6	10
38	Verification of slip flow in nanofiber filter media through pressure drop measurement at low-pressure conditions. <i>Separation and Purification Technology</i> , 2016, 159, 100-107.	7.9	64
39	Copper and nitrogen doping on TiO_2 photoelectrodes and their functions in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 306, 764-771.	7.8	53
40	Low-Energy Bead-Mill Dispersion of Agglomerated Core-Shell $\text{Fe}_3\text{O}_4/\text{Al}_2\text{O}_3$ and $\text{Fe}_3\text{O}_4/\text{N}_2\text{O}_3/\text{Al}_2\text{O}_3$ Ferromagnetic Nanoparticles in Toluene. <i>Langmuir</i> , 2015, 31, 6011-6019.	3.5	10
41	Experimental and theoretical approach to evaluation of nanostructured carbon particles derived from phenolic resin via spray pyrolysis. <i>Chemical Engineering Journal</i> , 2015, 271, 79-86.	12.7	24
42	Effect of oxidation on Fe_3O_4 - Fe^{16}N_2 phase formation from plasma-synthesized spherical core-shell $\text{Fe}_3\text{O}_4/\text{Al}_2\text{O}_3$ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 381, 89-98.	2.3	24
43	Influences of Porous Structurization and Pt Addition on the Improvement of Photocatalytic Performance of WO_3 Particles. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3009-3017.	8.0	66
44	Microwave synthesis of homogeneous and highly luminescent BCNO nanoparticles for the light emitting polymer materials. <i>Journal of Luminescence</i> , 2015, 166, 148-155.	3.1	23
45	Effects of Graphene in Dye-Sensitized Solar Cells Based on Nitrogen-Doped TiO_2 Composite. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16552-16559.	3.1	59
46	Facile synthesis of spherical carbon composite particles via a dry granulation process. <i>Carbon</i> , 2015, 94, 439-447.	10.3	7
47	Preparation and characterization of magnetic films of well-dispersed single domain of core-shell $\text{Fe}_3\text{O}_4/\text{Al}_2\text{O}_3$ nanoparticles. <i>Advanced Powder Technology</i> , 2015, 26, 1618-1623.	4.1	9
48	Synthesis and evaluation of straight and bead-free nanofibers for improved aerosol filtration. <i>Chemical Engineering Science</i> , 2015, 137, 947-954.	3.8	59
49	Selective, high efficiency reduction of CO_2 in a non-diaphragm-based electrochemical system at low applied voltage. <i>RSC Advances</i> , 2015, 5, 9278-9282.	3.6	9
50	Morphology control of hierarchical porous carbon particles from phenolic resin and polystyrene latex template via aerosol process. <i>Carbon</i> , 2015, 84, 281-289.	10.3	47
51	Aerial observation of nitrogen compounds over the East China Sea in 2009 and 2010. <i>Atmospheric Environment</i> , 2014, 97, 462-470.	4.1	8
52	Synthesis of composite WO_3/TiO_2 nanoparticles by flame-assisted spray pyrolysis and their photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2014, 591, 121-126.	5.5	53
53	Controllable crystallite and particle sizes of WO_3 particles prepared by a spray pyrolysis method and their photocatalytic activity. <i>AIChE Journal</i> , 2014, 60, 41-49.	3.6	40
54	Photoluminescence optimization of BCNO phosphors synthesized using citric acid as a carbon source. <i>Advanced Powder Technology</i> , 2014, 25, 891-895.	4.1	13

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55	Fe ³⁺ -Fe ₁₆ N ₂ phase formation of plasma-synthesized core-shell type Fe nanoparticles under various conditions. <i>Advanced Powder Technology</i> , 2014, 25, 582-590.	4.1	22
56	Direct white light emission from a rare-earth-free aluminium-boron-carbon oxynitride phosphor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4297-4303.	5.5	50
57	Gas phase preparation of spherical core-shell Fe ₂ -Fe ₁₆ N ₂ /SiO ₂ magnetic nanoparticles. <i>Nanoscale</i> , 2014, 6, 6487.	5.6	24
58	Enhancement of dye-sensitized solar cells using Zr/N-doped TiO ₂ composites as photoelectrodes. <i>RSC Advances</i> , 2014, 4, 9946.	3.6	34
59	Transient nature of graphene quantum dot formation via a hydrothermal reaction. <i>RSC Advances</i> , 2014, 4, 55709-55715.	3.6	84
60	Control of the Shell Structural Properties and Cavity Diameter of Hollow Magnesium Fluoride Particles. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4418-4427.	8.0	29
61	Size- and charge-controllable polystyrene spheres for templates in the preparation of porous silica particles with tunable internal hole configurations. <i>Chemical Engineering Journal</i> , 2014, 256, 421-430.	12.7	36
62	Aerosol Synthesis of Self-Organized Nanostructured Hollow and Porous Carbon Particles Using a Dual Polymer System. <i>Langmuir</i> , 2014, 30, 11257-11262.	3.5	33
63	Aerial observations of air masses transported from East Asia to the Western Pacific: Vertical structure of polluted air masses. <i>Atmospheric Environment</i> , 2014, 97, 456-461.	4.1	17
64	Synthesis and photoluminescence of BCNO/SiO ₂ nanocomposite phosphor materials. <i>Journal of Luminescence</i> , 2014, 148, 165-168.	3.1	10
65	Low-energy bead-milling dispersions of rod-type titania nanoparticles and their optical properties. <i>Advanced Powder Technology</i> , 2014, 25, 1492-1499.	4.1	15
66	Nanostructuring strategies in functional fine-particle synthesis towards resource and energy saving applications. <i>Advanced Powder Technology</i> , 2014, 25, 3-17.	4.1	106
67	Effect of Gas Atmosphere on Graphitization of Carbon Powder. <i>Kagaku Kogaku Ronbunshu</i> , 2014, 40, 12-17.	0.3	5
68	Synthesis of Spherical Graphitized Carbon Powder with Homolytic Crystals by a Dry Granulation Process. <i>Kagaku Kogaku Ronbunshu</i> , 2014, 40, 234-239.	0.3	2
69	Morphology-Controlled Synthesis of Electrospun Nanofibers and Their Application for Aerosol Filtration. <i>Kagaku Kogaku Ronbunshu</i> , 2014, 40, 84-89.	0.3	4
70	Ultrahigh oxygen reduction activity of Pt/nitrogen-doped porous carbon microspheres prepared via spray-drying. <i>Journal of Power Sources</i> , 2013, 229, 58-64.	7.8	31
71	In situ growth of Pt nanoparticles on electrospun SnO ₂ fibers for anode electrocatalyst application. <i>Materials Letters</i> , 2013, 105, 202-205.	2.6	9
72	Control of cone-jet geometry during electrospray by an electric current. <i>Advanced Powder Technology</i> , 2013, 24, 532-536.	4.1	18

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73	Self-Assembly of Colloidal Nanoparticles Inside Charged Droplets during Spray-Drying in the Fabrication of Nanostructured Particles. <i>Langmuir</i> , 2013, 29, 13152-13161.	3.5	52
74	Preparation of agglomeration-free spherical hollow silica particles using an electrospray method with colloidal templating. <i>Materials Letters</i> , 2013, 106, 432-435.	2.6	18
75	Synthesis of spherical macroporous WO ₃ particles and their high photocatalytic performance. <i>Chemical Engineering Science</i> , 2013, 101, 523-532.	3.8	68
76	Influence of formic acid on electrochemical properties of high porosity Pt/TiN nanoparticle aggregates. <i>AIChE Journal</i> , 2013, 59, 2753-2760.	3.6	9
77	Ion-induced nucleation rate measurement in SO ₂ /H ₂ O/N ₂ gas mixture by soft X-ray ionization at various pressures and temperatures. <i>Advanced Powder Technology</i> , 2013, 24, 143-149.	4.1	7
78	Electrospun Pt/SnO ₂ nanofibers as an excellent electrocatalysts for hydrogen oxidation reaction with ORR-blocking characteristic. <i>Catalysis Communications</i> , 2013, 33, 11-14.	3.3	33
79	Synthesis of a Colorless Suspension of TiO ₂ Nanoparticles by Nitrogen Doping and the Bead-Mill Dispersion Process. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 547-555.	3.7	16
80	Facile synthesis of single-phase spherical Fe ₃ O ₄ /Al ₂ O ₃ core-shell nanoparticles via a gas-phase method. <i>Journal of Applied Physics</i> , 2013, 113, 164301.	2.5	30
81	Influences of Surface Charge, Size, and Concentration of Colloidal Nanoparticles on Fabrication of Self-Organized Porous Silica in Film and Particle Forms. <i>Langmuir</i> , 2013, 29, 6262-6270.	3.5	36
82	Mesopore-free silica shell with nanometer-scale thickness-controllable on cationic polystyrene core. <i>Journal of Colloid and Interface Science</i> , 2013, 389, 134-146.	9.4	26
83	Agglomeration-free core-shell polystyrene/silica particles preparation using an electrospray method and additive-free cationic polystyrene core. <i>Materials Letters</i> , 2013, 91, 161-164.	2.6	11
84	Biosorption of Tungsten by <i>Escherichia coli</i> for an Environmentally Friendly Recycling System. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 14441-14448.	3.7	19
85	Self-Organized Macroporous Carbon Structure Derived from Phenolic Resin via Spray Pyrolysis for High-Performance Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11944-11950.	8.0	38
86	New particle formation and growth associated with East-Asian long range transportation observed at Fukue Island, Japan in March 2012. <i>Atmospheric Environment</i> , 2013, 74, 29-36.	4.1	13
87	Towards Better Phosphor Design: Effect of SiO ₂ Nanoparticles on Photoluminescence Enhancement of YAG:Ce. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, R91-R95.	1.8	25
88	Change in Characteristics of Titania Nanoparticles during the Process of Dispersion, Agglomeration and Re-Dispersion with a Dual-Axis Beads-Mill. <i>Kagaku Kogaku Ronbunshu</i> , 2013, 39, 426-432.	0.3	5
89	Influence of Polymer Decomposition Temperature on the Formation of Rare-Earth Free Boron Carbon Oxynitride Phosphors. <i>Journal of Chemical Engineering of Japan</i> , 2012, 45, 995-1000.	0.6	23
90	Doughnut magnesium fluoride nanoparticles prepared by an electron-beam irradiation method. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	3

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91	Direct synthesis of spherical YAC:Ce phosphor from precursor solution containing polymer and urea. <i>Chemical Engineering Journal</i> , 2012, 210, 461-466.	12.7	39
92	Mesopore-Free Hollow Silica Particles with Controllable Diameter and Shell Thickness via Additive-Free Synthesis. <i>Langmuir</i> , 2012, 28, 8616-8624.	3.5	70
93	Rapid <i>In Situ</i> Synthesis of Spherical Microflower Pt/C Catalyst <i>Via</i> Spray-drying for High Performance Fuel Cell Application. <i>Fuel Cells</i> , 2012, 12, 665-669.	2.4	10
94	CuO/WO ₃ and Pt/WO ₃ nanocatalysts for efficient pollutant degradation using visible light irradiation. <i>Chemical Engineering Journal</i> , 2012, 180, 323-329.	12.7	104
95	Decolorization of beads-milled TiO ₂ nanoparticles suspension in an organic solvent. <i>Advanced Powder Technology</i> , 2012, 23, 55-63.	4.1	19
96	Synthesis of additive-free cationic polystyrene particles with controllable size for hollow template applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 96-105.	4.7	60
97	Preparation and characterization of boron oxide-based red-emitting phosphors using Eu, Al and Ca additives. <i>Materials Chemistry and Physics</i> , 2012, 133, 392-397.	4.0	3
98	Nanostructured design of electrocatalyst support materials for high-performance PEM fuel cell application. <i>Journal of Power Sources</i> , 2012, 203, 26-33.	7.8	39
99	Role of particle size for platinum-loaded tungsten oxide nanoparticles during dye photodegradation under solar-simulated irradiation. <i>Catalysis Communications</i> , 2011, 12, 525-529.	3.3	41
100	Intense green and yellow emissions from electrospun BCNO phosphor nanofibers. <i>Journal of Materials Chemistry</i> , 2011, 21, 12629.	6.7	50
101	Novel rare-earth-free tunable-color-emitting BCNO phosphors. <i>Journal of Materials Chemistry</i> , 2011, 21, 5183.	6.7	114
102	Liquid-phase Synthesis of CaF ₂ Particles and Their Low Refractive Index Characterization. <i>KONA Powder and Particle Journal</i> , 2011, 29, 141-157.	1.7	14
103	Investigation of Gene Expression of MMP-2 and TIMP-2 mRNA in Rat Lung in Inhaled Nickel Oxide and Titanium Dioxide Nanoparticles. <i>Industrial Health</i> , 2011, 49, 344-352.	1.0	25
104	Synthesis of uniformly porous NiO/ZrO ₂ particles. <i>Materials Research Bulletin</i> , 2011, 46, 708-715.	5.2	13
105	Surface functionalization for dispersing and stabilizing hexagonal boron nitride nanoparticle by bead milling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 388, 49-58.	4.7	107
106	Highly ordered porous monolayer generation by dual-speed spin-coating with colloidal templates. <i>Chemical Engineering Journal</i> , 2011, 167, 409-415.	12.7	32
107	Measuring the effective density, porosity, and refractive index of carbonaceous particles by tandem aerosol techniques. <i>Carbon</i> , 2011, 49, 2163-2172.	10.3	20
108	Progress in developing spray-drying methods for the production of controlled morphology particles: From the nanometer to submicrometer size ranges. <i>Advanced Powder Technology</i> , 2011, 22, 1-19.	4.1	596

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109	Enhanced photoluminescence of ZnO/SiO ₂ nanocomposite particles and the analyses of structure and composition. <i>Journal of Luminescence</i> , 2011, 131, 138-146.	3.1	23
110	Highly luminescent silica-coated ZnO nanoparticles dispersed in an aqueous medium. <i>Journal of Luminescence</i> , 2011, 131, 921-925.	3.1	24
111	Perpendicular easy axis alignment of FePt nanoparticles on a platinum-(001) buffer layer for high-density magnetic recording. <i>Journal of Applied Physics</i> , 2011, 110, 083906.	2.5	4
112	Characterization of silica-coated silver nanoparticles prepared by a reverse micelle and hydrolysis/condensation process. <i>Chemical Engineering Journal</i> , 2010, 156, 200-205.	12.7	20
113	Particle dynamics simulation of nanoparticle formation in a flame reactor using a polydispersed submicron-sized solid precursor. <i>Chemical Engineering Journal</i> , 2010, 158, 362-367.	12.7	13
114	Preparation of size-controlled tungsten oxide nanoparticles and evaluation of their adsorption performance. <i>Materials Research Bulletin</i> , 2010, 45, 165-173.	5.2	56
115	Controlled synthesis of carbon-based alumina nanophosphors with tunable blue-green luminescence. <i>Materials Letters</i> , 2010, 64, 836-839.	2.6	12
116	Synthesis of Gallium Nitride Nanoparticles by Microwave Plasma-Enhanced CVD. <i>Chemical Vapor Deposition</i> , 2010, 16, 151-156.	1.3	15
117	Morphology optimization of polymer nanofiber for applications in aerosol particle filtration. <i>Separation and Purification Technology</i> , 2010, 75, 340-345.	7.9	137
118	Enhancement of the thermal stability and mechanical properties of a PMMA/aluminum trihydroxide composite synthesized via bead milling. <i>Powder Technology</i> , 2010, 204, 145-153.	4.2	45
119	Design of a highly ordered and uniform porous structure with multisized pores in film and particle forms using a template-driven self-assembly technique. <i>Acta Materialia</i> , 2010, 58, 282-289.	7.9	54
120	Nanoparticle formation in spray pyrolysis under low-pressure conditions. <i>Chemical Engineering Science</i> , 2010, 65, 1846-1854.	3.8	36
121	Effect of the Carbon Source on the Luminescence Properties of Boron Carbon Oxynitride Phosphor Particles. <i>Journal of the Electrochemical Society</i> , 2010, 157, J329.	2.9	42
122	Photoluminescent ZrO ₂ :Eu ³⁺ Nanofibers Prepared via Electrospinning. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 115003.	1.5	15
123	Droplet Generation and Nanoparticle Formation in Low-Pressure Spray Pyrolysis. <i>Aerosol Science and Technology</i> , 2010, 44, 692-705.	3.1	17
124	Experimental evaluation of the pressure and temperature dependence of ion-induced nucleation. <i>Journal of Chemical Physics</i> , 2010, 133, 124315.	3.0	3
125	Indium Tin Oxide Nanofiber Film Electrode for High Performance Dye Sensitized Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 010213.	1.5	27
126	Nanometer to Submicrometer Magnesium Fluoride Particles with Controllable Morphology. <i>Langmuir</i> , 2010, 26, 12260-12266.	3.5	51

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127	Formation of Highly Ordered Nanostructures by Drying Micrometer Colloidal Droplets. ACS Nano, 2010, 4, 4717-4724.	14.6	106
128	Photoluminescent and crystalline properties of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ phosphor nanofibers prepared by electrospinning. Journal of Applied Physics, 2009, 105, .	2.5	20
129	Morphology and Particle Size Distribution Controls of Droplet-to-Macroporous/Hollow Particles Formation in Spray Drying Process of Colloidal Mixtures Precursor. Aerosol Science and Technology, 2009, 43, 1184-1191.	3.1	21
130	Measurement of the Effective Density of Both Spherical Aggregated and Ordered Porous Aerosol Particles Using Mobility- and Mass-Analyzers. Aerosol Science and Technology, 2009, 43, 136-144.	3.1	32
131	Fabrication and Characterization of a Yellow-Emitting BCNO Phosphor for White Light-Emitting Diodes. Electrochemical and Solid-State Letters, 2009, 12, J33.	2.2	43
132	Morphology-controlled synthesis of chromia-titania nanofibers via electrospinning followed by annealing. Materials Chemistry and Physics, 2009, 116, 169-174.	4.0	9
133	Chemical and photoluminescence analyses of new carbon-based boron oxynitride phosphors. Materials Research Bulletin, 2009, 44, 2099-2102.	5.2	30
134	Rapid synthesis of a BN/CNT composite particle via spray routes using ferrocene/ethanol as a catalyst/carbon source. Materials Letters, 2009, 63, 1847-1850.	2.6	23
135	Nanoparticle formation through solidified flame synthesis: Experiment and modeling. AIChE Journal, 2009, 55, 885-895.	3.6	35
136	Intense UV-light absorption of ZnO nanoparticles prepared using a pulse combustion-spray pyrolysis method. Chemical Engineering Journal, 2009, 155, 433-441.	12.7	23
137	Synthesis of spherical mesoporous silica nanoparticles with nanometer-size controllable pores and outer diameters. Microporous and Mesoporous Materials, 2009, 120, 447-453.	4.4	321
138	Scaling law on particle-to-fiber formation during electrospinning. Polymer, 2009, 50, 4935-4943.	3.8	139
139	Analysis of fluid permeation through a particle-packed layer using an electric resistance network as an analogy. Powder Technology, 2009, 191, 39-46.	4.2	6
140	Macroporous anatase titania particle: Aerosol self-assembly fabrication with photocatalytic performance. Chemical Engineering Journal, 2009, 152, 293-296.	12.7	39
141	Synthesis and film deposition of Ni nanoparticles for base metal electrode applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 337, 96-101.	4.7	31
142	Synthesis of nanocrystalline GaN from Ga ₂ O ₃ nanoparticles derived from salt-assisted spray pyrolysis. Advanced Powder Technology, 2009, 20, 29-34.	4.1	32
143	Sintering behavior of spherical aggregated nanoparticles prepared by spraying colloidal precursor in a heated flow. Advanced Powder Technology, 2009, 20, 318-326.	4.1	11
144	Importance of dispersibility of TiO ₂ in preparation of TiO ₂ -dispersed microspheres by Shirasu porous glass (SPG) membrane emulsification. Advanced Powder Technology, 2009, 20, 361-365.	4.1	11

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145	Effect of X-ray energy and ionization time on the charging performance and nanoparticle formation of a soft X-ray photoionization charger. <i>Advanced Powder Technology</i> , 2009, 20, 529-536.	4.1	17
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