Sang Eun Shim

List of Publications by Year
in descending order

194 papers	4,752 citations	81900 39 h-index	144013 57 g-index
195 all docs	195 docs citations	195 times ranked	6149 citing authors

#	Article	IF	Citations
1	Deciphering van der Waals interaction between polypropylene and carbonated fly ash from experimental and molecular simulation. Journal of Hazardous Materials, 2022, 421, 126725.	12.4	5
2	Effects of Field-Effect and Schottky Heterostructure on p-Type Graphene-Based Gas Sensor Modified by n-Type In2O3 and Phenylenediamine. Applied Surface Science, 2022, 578, 152025.	6.1	18
3	Bimetallic-metal organic framework-derived Ni3S2/MoS2 hollow spheres as bifunctional electrocatalyst for highly efficient and stable overall water splitting. International Journal of Hydrogen Energy, 2022, 47, 8165-8176.	7.1	31
4	Semi-Rigid Polyurethane Foam and Polymethylsilsesquioxane Aerogel Composite for Thermal Insulation and Sound Absorption. Macromolecular Research, 2022, 30, 245-253.	2.4	4
5	FeCo alloy nanoparticles embedded in N-doped carbon supported on highly defective ketjenblack as effective bifunctional electrocatalysts for rechargeable Znâ€“air batteries. Applied Catalysis B: Environmental, 2022, 315, 121501.	20.2	54
6	Simultaneous Effects of Carboxyl Group-Containing Hyperbranched Polymers on Glass Fiber-Reinforced Polyamide 6/Hollow Glass Microsphere Syntactic Foams. Polymers, 2022, 14, 1915.	4.5	0
7	Rapid and efficient antibacterial activity of Molybdenum-Tungsten oxide from n-n heterojunctions and localized surface plasmon resonance. Applied Surface Science, 2022, 595, 153496.	6.1	1
8	Oxygen-vacancy-rich CoFe/CoFe2O4 embedded in N-doped hollow carbon spheres as a highly efficient bifunctional electrocatalyst for Znâ€“air batteries. Chemical Engineering Journal, 2022, 448, 137665.	12.7	46
9	Valorization of fly ash as a harmless flame retardant via carbonation treatment for enhanced fire-proofing performance and mechanical properties of silicone composites. Journal of Hazardous Materials, 2021, 404, 124202.	12.4	22
10	A hierarchical Co₃O₄/CoS microbox heterostructure as a highly efficient bifunctional electrocatalyst for rechargeable Znâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 17344-17352.	10.3	40
11	Temperature dependence for high electrical performance of Mn-doped high surface area activated carbon (HSAC) as additives for hybrid capacitor. Scientific Reports, 2021, 11, 534.	3.3	2
12	Electromagnetic Interference Shielding Effectiveness and Thermal Properties of Silicone Rubber Composites Filled with Ferric Oxides. Porrime, 2021, 45, 200-209.	0.2	0
13	Facile synthesis of flower-like P-doped nickel-iron disulfide microspheres as advanced electrocatalysts for the oxygen evolution reaction. Journal of Power Sources, 2021, 490, 229552.	7.8	32
14	Novel preparation and high electrical performance effect of Mn-doped ultra-high surface area activated carbon (USAC) as an additive for Ni hybrid capacitors. Advanced Powder Technology, 2021, 32, 1116-1126.	4.1	5
15	Novel electroless plating of silver nanoparticles on graphene nanoplatelets and its application for highly conductive epoxy composites. Journal of Industrial and Engineering Chemistry, 2021, 96, 156-162.	5.8	5
16	Hexagonal CoFe2O4/Î²-Ni(OH)2 heterojunction composite as an advanced electrocatalyst for the oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 27874-27882.	7.1	14
17	Interface engineering of Cu3P/FeP heterostructure as an enhanced electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 32364-32372.	7.1	13
18	Facile synthesis of P-doped NiCo2S4 nanoneedles supported on Ni foam as highly efficient electrocatalysts for alkaline oxygen evolution reaction. Electrochimica Acta, 2021, 396, 139236.	5.2	25

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19	Defect-rich Fe-doped Co3O4 derived from bimetallic-organic framework as an enhanced electrocatalyst for oxygen evolution reaction. Chemical Engineering Journal, 2021, 424, 130400.	12.7	56
20	Bimetallic NiFe alloys as highly efficient electrocatalysts for the oxygen evolution reaction. Catalysis Today, 2020, 352, 27-33.	4.4	72
21	A comprehensive study of various amine-functionalized graphene oxides for room temperature formaldehyde gas detection: Experimental and theoretical approaches. Applied Surface Science, 2020, 529, 147189.	6.1	22
22	Fe-doped Ni3S2 nanoneedles directly grown on Ni foam as highly efficient bifunctional electrocatalysts for alkaline overall water splitting. Electrochimica Acta, 2020, 361, 137080.	5.2	60
23	Evaluation of Nitrogen-Based Polymeric Heterogeneous Catalysts for the Suzukiâ€“Miyaura Cross-Coupling Reaction in Water. ACS Applied Polymer Materials, 2020, 2, 3122-3134.	4.4	5
24	Filler size effect in graphite/paraffine wax composite on electromagnetic interference shielding performance. Korean Journal of Chemical Engineering, 2020, 37, 1623-1630.	2.7	4
25	Pulse-reverse electroplating of chromium from Sargent baths: Influence of anodic time on physical and electrochemical properties of electroplated Cr. International Journal of Refractory Metals and Hard Materials, 2020, 89, 105213.	3.8	7
26	Strongly Coupled Ni/Ni(OH)₂ Hybrid Nanocomposites as Highly Active Bifunctional Electrocatalysts for Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2020, 8, 4431-4439.	6.7	54
27	Synergistic Effects of Hybrid Carbonaceous Fillers of Carbon Fibers and Reduced Graphene Oxides on Enhanced Heat-Dissipation Capability of Polymer Composites. Polymers, 2020, 12, 909.	4.5	6
28	Spinel-type NiCo2O4 with abundant oxygen vacancies as a high-performance catalyst for the oxygen reduction reaction. International Journal of Hydrogen Energy, 2019, 44, 23775-23783.	7.1	63
29	Novel Hierarchically Porous Melamine-Vanillin Polymer: Synthesis and Application for the Pb(II) Ion Removal in Wastewater. Macromolecular Research, 2019, 27, 882-887.	2.4	4
30	Amine-functionalized graphene and its high discharge capacity for non-aqueous lithiumâ€“oxygen batteries. Carbon Letters, 2019, 29, 471-478.	5.9	2
31	Effective Heat Transfer Pathways of Thermally Conductive Networks Formed by One-Dimensional Carbon Materials with Different Sizes. Polymers, 2019, 11, 1661.	4.5	11
32	Hexagonal Î²-Ni(OH)2 nanoplates with oxygen vacancies as efficient catalysts for the oxygen evolution reaction. Electrochimica Acta, 2019, 324, 134868.	5.2	37
33	Pd(II)-immobilized on a nanoporous triazine-based covalent imine framework for facile cyanation of haloarenes with K4Fe(CN)6. Molecular Catalysis, 2019, 473, 110395.	2.0	12
34	A Graphene Oxide Nanosheet Supported NHCâ€“Palladium Complex as a Highly Efficient and Recyclable Suzuki Coupling Catalyst. Synthesis, 2019, 51, 2287-2292.	2.3	11
35	N, S-doped nanocarbon derived from ZIF-8 as a highly efficient and durable electro-catalyst for oxygen reduction reaction. Journal of Solid State Chemistry, 2019, 274, 237-242.	2.9	39
36	Synthesis of novel and room temperature-operable palladium complexes on graphene oxide: An efficient recyclable catalyst for Suzuki-Miyaura coupling reactions. Journal of Industrial and Engineering Chemistry, 2019, 75, 253-261.	5.8	16

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37	Polymerization Kinetics and Physical Properties of Polyurethanes Synthesized by Bio-Based Monomers. Macromolecular Research, 2019, 27, 153-163.	2.4	11
38	Facile synthesis of mesoporous and highly nitrogen/sulfur dual-doped graphene and its ultrahigh discharge capacity in non-aqueous lithium oxygen batteries. Carbon Letters, 2019, 29, 297-305.	5.9	6
39	A palladium complex confined in a thiadiazole-functionalized porous conjugated polymer for the Suzukiâ€“Miyaura coupling reaction. RSC Advances, 2019, 9, 33563-33571.	3.6	6
40	Controlling porosity of porous carbon cathode for lithium oxygen batteries: Influence of micro and meso porosity. Journal of Power Sources, 2018, 389, 20-27.	7.8	38
41	Nanoporous p-type NiOx electrode for p-i-n inverted perovskite solar cell toward air stability. Materials Today, 2018, 21, 483-500.	14.2	99
42	The fabrication of a conversion film on AZ31 containing carbonate product and evaluation of its corrosion resistance. Journal of Alloys and Compounds, 2018, 737, 597-602.	5.5	11
43	Facile Analytical Methods to Determine the Purity of Titanium Tetrachloride. International Journal of Analytical Chemistry, 2018, 2018, 1-5.	1.0	1
44	Influence of the Sb content in Ti/SnO2-Sb electrodes on the electrocatalytic behaviour for the degradation of organic matter. Journal of Cleaner Production, 2018, 197, 1268-1274.	9.3	48
45	Treatment of Atmospheric-Pressure Radio Frequency Plasma on Boron Nitride for Improving Thermal Conductivity of Polydimethylsiloxane Composites. Macromolecular Research, 2018, 26, 864-867.	2.4	20
46	Heteroatom-doped porous carbon electrodes derived from a carbonyl-based aromatic porous polymer for supercapacitors. Synthetic Metals, 2018, 243, 115-120.	3.9	17
47	High performance carbon supercapacitor electrodes derived from a triazine-based covalent organic polymer with regular porosity. Electrochimica Acta, 2018, 284, 98-107.	5.2	43
48	Roles of silica-coated layer on graphite for thermal conductivity, heat dissipation, thermal stability, and electrical resistivity of polymer composites. Polymer, 2018, 148, 295-302.	3.8	33
49	Efficient planar n-i-p type heterojunction flexible perovskite solar cells with sputtered TiO₂electron transporting layers. Nanoscale, 2017, 9, 3095-3104.	5.6	92
50	The electrochemical enhancement due to the aligned structural effect of carbon nanofibers in a supercapacitor electrode. Synthetic Metals, 2017, 226, 195-206.	3.9	4
51	A one-step process employing various amphiphiles for an electrically insulating silica coating on graphite. RSC Advances, 2017, 7, 24242-24254.	3.6	11
52	Large area, waterproof, air stable and cost effective efficient perovskite solar cells through modified carbon hole extraction layer. Materials Today Chemistry, 2017, 4, 53-63.	3.5	20
53	Biodegradable polymer-modified graphene/polyaniline electrodes for supercapacitors. Synthetic Metals, 2017, 227, 61-70.	3.9	51
54	Suspension polymerization of thermally expandable microspheres using low-temperature initiators. Colloid and Polymer Science, 2017, 295, 171-180.	2.1	32

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55	3D in-situ hollow carbon fiber/carbon nanosheet/Fe3C@Fe3O4 by solventless one-step synthesis and its superior supercapacitor performance. Electrochimica Acta, 2017, 252, 215-225.	5.2	26
56	Synthesis of Manganese Oxide for Supercapacitors: Effect of Precursor on Electrocatalytic Performance. Journal of Nanoscience and Nanotechnology, 2017, 17, 7947-7951.	0.9	3
57	Electrodeposition of Porous Manganese Oxide Using Various Surfactants for Supercapacitor Electrodes. Journal of Nanoscience and Nanotechnology, 2017, 17, 8209-8213.	0.9	0
58	Preparation of Hexagonal Boron Nitride Nanoparticles by Non-Transferred Arc Plasma. Journal of Nanoscience and Nanotechnology, 2017, 17, 9217-9223.	0.9	5
59	An Investigation of the Electrochemical Properties and Performance of Electrospun Carbon Nanofibers for Rechargeable Lithium-Air Batteries. Journal of Nanoscience and Nanotechnology, 2017, 17, 8175-8179.	0.9	1
60	Thermal and Physical Properties of Silicone Rubber Composites Filled with Inorganic Fire-proof Fillers. Porrime, 2017, 41, 425-432.	0.2	2
61	Electrochemical Deposition of Mesoporous Manganese Oxide Films Using Mixed Surfactants as Templating Agents. Journal of Nanoscience and Nanotechnology, 2017, 17, 7906-7911.	0.9	0
62	Performance Evaluation of RuO₂ Decorated Mn-Based Catalysts Using Various Carbon Supports for Lithium-Air Batteries. Journal of Nanoscience and Nanotechnology, 2016, 16, 10459-10464.	0.9	1
63	An investigation on the selective hydrodealkylation of C₉⁺ aromatics over alkali-treated Pt/H-ZSM-5 zeolites. Catalysis Science and Technology, 2016, 6, 5599-5607.	4.1	12
64	Electro-Catalytic Activity of RuO₂â€“IrO₂â€“Ta₂O₅ Mixed Metal Oxide Prepared by Spray Thermal Decomposition for Alkaline Water Electrolysis. Journal of Nanoscience and Nanotechnology, 2016, 16, 4405-4410.	0.9	5
65	A solution processed nanostructured p-type NiO electrode for efficient inverted perovskite solar cells. Nanoscale, 2016, 8, 19189-19194.	5.6	45
66	Electrochemical Oxidation of Organic Matter in the Presence of Chloride Over Ti/SnO₂â€“Sb₂O₅ Prepared via Solâ€“Gel Methods. Journal of Nanoscience and Nanotechnology, 2016, 16, 10892-10897.	0.9	7
67	Fabrication of thermally expandable coreâ€“shell microcapsules using organic and inorganic stabilizers and their application. Journal of Applied Polymer Science, 2016, 133, .	2.6	15
68	Preparation and Electrochemical Properties of Ptâ€“Ru/Mn₃O₄/C Bifunctional Catalysts for Lithium-Air Secondary Battery. Journal of Nanoscience and Nanotechnology, 2016, 16, 10453-10458.	0.9	0
69	Nylon 6,6/Polyaniline Based Sheath Nanofibers for High-Performance Supercapacitors. Electrochimica Acta, 2016, 213, 124-131.	5.2	30
70	Preparation of Nanostructured CuO/ZnO/Al₂O₃ Catalysts for the Synthesis of Methanol from Syngas. Journal of Nanoscience and Nanotechnology, 2016, 16, 10887-10891.	0.9	2
71	Preparation and Characterization of Nanostructured Manganese Oxide for Supercapacitors. Journal of Nanoscience and Nanotechnology, 2016, 16, 5195-5199.	0.9	3
72	Fabrication of macroporous carbon foam using glycol-derivatives as liquid templates. Macromolecular Research, 2016, 24, 240-248.	2.4	1

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73	RuO 2 nanoparticles decorated MnOOH/C as effective bifunctional electrocatalysts for lithium-air battery cathodes with long-cycling stability. Journal of Power Sources, 2016, 324, 687-693.	7.8	33
74	Electrochemical improvement due to alignment of carbon nanofibers fabricated by electrospinning as an electrode for supercapacitor. Carbon, 2016, 99, 607-618.	10.3	85
75	Synthesis of Alumina-coated Graphite Using Polyvinylpyrrolidone via Sol-Gel Reaction. Porrime, 2016, 40, 109.	0.2	1
76	Effect of Monomers in Vinyl Urethane Macromonomers on Dispersion Polymerization of Polystyrene. Elastomers and Composites, 2016, 51, 154-160.	0.1	1
77	Synthesis of Alkoxy Modified Silicone Using Alkali Catalyst. Elastomers and Composites, 2016, 51, 99-105.	0.1	1
78	Effect of Ball Milling and <scp>KOH</scp> Activation on Electrochemical Properties of Pitchâ€based Carbon Fibers. Bulletin of the Korean Chemical Society, 2015, 36, 2464-2468.	1.9	2
79	Selective hydrodealkylation of C9+ aromatics to benzene, toluene, and xylenes (BTX) over a Pt/H-ZSM-5 catalyst. Journal of Molecular Catalysis A, 2015, 407, 147-151.	4.8	14
80	Performance Evaluation of Activated Carbon Nanofiber as Carbon Supports to Improve the Cyclability of Li-Air Batteries. Journal of Nanoscience and Nanotechnology, 2015, 15, 9061-9065.	0.9	0
81	Fabrication and Characterization of Amorphous Cobalt-Doped Molybdenum Sulfide for Hydrogen Evolution Reaction. Journal of Nanoscience and Nanotechnology, 2015, 15, 8257-8262.	0.9	6
82	Structure evolution of electrospun polyacrylonitrile nanofibers by electron beam irradiation. Fibers and Polymers, 2015, 16, 834-839.	2.1	5
83	One-step coating of silica onto multi-walled carbon nanotubes using polyethyleneimine for high electrical resistivity. Macromolecular Research, 2015, 23, 422-427.	2.4	3
84	Halloysite nanotubes as a stabilizer: fabrication of thermally expandable microcapsules via Pickering suspension polymerization. Colloid and Polymer Science, 2015, 293, 3595-3602.	2.1	21
85	Synthesis and Electrochemical Analyses of Manganese Oxides for Super-Capacitors. Journal of Nanoscience and Nanotechnology, 2015, 15, 8890-8895.	0.9	0
86	Piezoresistive behavior of a stretchable carbon nanotube-interlayered poly(dimethylsiloxane) sheet with a wrinkled structure. RSC Advances, 2015, 5, 73162-73168.	3.6	5
87	Development of a carbon foam supercapacitor electrode from resorcinolâ€“formaldehyde using a double templating method. Synthetic Metals, 2015, 199, 121-127.	3.9	11
88	Effect of surface treatment of graphene nanoplatelets for improvement of thermal and electrical properties of epoxy composites. Carbon Letters, 2015, 16, 34-40.	5.9	18
89	Synthesis and Characteristic of Polyurethane Modified Silicone. Elastomers and Composites, 2015, 50, 210-216.	0.1	2
90	Synthesis and Characterizations of Mn_{1+X}Co_{2-X}O₄ Solid Solution Catalysts for Highly Efficient Li/Air Secondary Battery. Journal of the Korean Electrochemical Society, 2015, 18, 137-142.	0.1	0

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91	Effect of Initiator on Performance of Polyvinylacetate as Emulsion Adhesive. Elastomers and Composites, 2015, 50, 286-291.	0.1	0
92	Influence of graphene nanoplatelets content on the structure and properties of macroporous carbon foams prepared by organic colloidal templates. Journal of Materials Science, 2014, 49, 2063-2069.	3.7	4
93	Lignin-derived macroporous carbon foams prepared by using poly(methyl methacrylate) particles as the template. Carbon, 2014, 76, 357-367.	10.3	77
94	Synthesis and characterization of different MnO2 morphologies for lithium-air batteries. Electronic Materials Letters, 2014, 10, 957-962.	2.2	13
95	Microwave-accelerated synthesis of silica nanoparticle-coated graphite nanoplatelets and properties of their epoxy composites. Composites Science and Technology, 2014, 103, 8-15.	7.8	13
96	Effect of Carbon on the Performance of Lithium-Air Secondary Battery. Journal of Korean Institute of Metals and Materials, 2014, 52, 277-282.	1.0	1
97	Preparation of macroporous carbon foams using a polyurethane foam template replica method without curing step. Macromolecular Research, 2013, 21, 958-964.	2.4	39
98	Electrochemically polymerized vine-like nanostructured polyaniline on activated carbon nanofibers for supercapacitor. Electrochimica Acta, 2013, 111, 136-143.	5.2	48
99	In situ synthesis of polystyrene/nano-CdSe core/shell microspheres in aqueous solution at room temperature. Colloid and Polymer Science, 2013, 291, 1155-1162.	2.1	1
100	Synthesis and electrocatalytic properties of various metals supported on carbon for lithiumâ€“air battery. Journal of Molecular Catalysis A, 2013, 379, 9-14.	4.8	20
101	Synthesis of silica-coated graphite by enolization of polyvinylpyrrolidone and its thermal and electrical conductivity in polymer composites. Carbon, 2013, 60, 254-265.	10.3	67
102	Piezoresistive effects of copper-filled polydimethylsiloxane composites near critical pressure. Polymer, 2013, 54, 7071-7079.	3.8	14
103	Hydrogenation of lactic acid to propylene glycol over a carbon-supported ruthenium catalyst. Journal of Molecular Catalysis A, 2013, 380, 57-60.	4.8	27
104	PVP-assisted synthesis of dense silica-coated graphite with electrically insulating property. Materials Letters, 2013, 90, 87-89.	2.6	20
105	Rubber Composites with Piezoresistive Effects. Elastomers and Composites, 2013, 48, 76-84.	0.1	0
106	Highly active and trans-1,4-specific polymerization of 1,3-butadiene catalyzed by bis(benzimidazolyl)amine chromium complexes activated with methylaluminoxane. Elastomers and Composites, 2013, 48, 61-66.	0.1	0
107	Aqueous dispersion of submicron-sized diamond particles for thermally conductive polyurethane coating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 255-261.	4.7	11
108	Electrospun PEDOT:PSS/carbon nanotubes/PVP nanofibers as chemiresistors for aromatic volatile organic compounds. Synthetic Metals, 2012, 162, 1513-1518.	3.9	27

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109	Thermal properties of poly(dimethyl siloxane) nanocomposite filled with silicon carbide and multiwall carbon nanotubes. Polymer International, 2012, 61, 639-645.	3.1	20
110	Electrospun BMIMPF6/nylon 6,6 nanofiber chemiresistors as organic vapour sensors. Macromolecular Research, 2012, 20, 372-378.	2.4	29
111	Electrical, thermal, and rheological properties of carbon black and carbon nanotube dual filler-incorporated poly(dimethylsiloxane) nanocomposites. Macromolecular Research, 2012, 20, 465-472.	2.4	36
112	Double metal cyanide catalysts bearing lactate esters as eco-friendly complexing agents for the synthesis of highly pure polyols. Green Chemistry, 2011, 13, 631.	9.0	19
113	Optical properties of core/shell typed PMMA/CdS nanoparticles prepared by in situ and ex situ surfactant-free emulsion polymerization. Colloid and Polymer Science, 2011, 289, 1185-1189.	2.1	6
114	Electrical properties of graphene/SBR nanocomposite prepared by latex heterocoagulation process at room temperature. Journal of Industrial and Engineering Chemistry, 2011, 17, 325-330.	5.8	71
115	Nucleate boiling heat transfer in nanofluids with carbon nanotubes up to critical heat fluxes. Journal of Mechanical Science and Technology, 2011, 25, 2647-2655.	1.5	10
116	Chemical vapour sensing behaviors of multi-walled carbon nanotube adsorbed electrospun nylon 6,6 nanofibers. Macromolecular Research, 2011, 19, 980-983.	2.4	13
117	Thermal and electrical conduction behavior of alumina and multiwalled carbon nanotube incorporated poly(dimethyl siloxane). Thermochimica Acta, 2011, 512, 34-39.	2.7	27
118	Colloidal Heterocoagulation for Preparation of Multi-Walled Carbon Nanotube/PMMA Nanocomposite Started with Bulk Resin. Journal of Dispersion Science and Technology, 2011, 32, 1574-1581.	2.4	1
119	Dispersion Stability of Fluorinated Multi-Walled Carbon Nanotubes in FC-27 Refrigerant. Journal of Dispersion Science and Technology, 2011, 32, 1485-1492.	2.4	9
120	Preparation of conductive PTFE nanocomposite containing multiwalled carbon nanotube via latex heterocoagulation approach. Colloid and Polymer Science, 2010, 288, 47-53.	2.1	17
121	Preparation and electrorheological characteristic of CdS/Polystyrene composite particles. Colloid and Polymer Science, 2010, 288, 613-619.	2.1	19
122	Surface modification of carbon black by oleic acid for miniemulsion polymerization of styrene. Macromolecular Research, 2010, 18, 435-441.	2.4	41
123	Water-borne graphene-derived conductive SBR prepared by latex heterocoagulation. Macromolecular Research, 2010, 18, 558-565.	2.4	49
124	Glass beads-assisted fine dispersion of multiwalled carbon nanotube in silicone matrix. Macromolecular Research, 2010, 18, 766-771.	2.4	8
125	Controlling morphology of polymer microspheres by Shirasu porous glass (SPG) membrane emulsification and subsequent polymerization: from solid to hollow. Macromolecular Research, 2010, 18, 1142-1147.	2.4	15
126	Improvement of thermal conductivity of poly(dimethyl siloxane) using silica-coated multi-walled carbon nanotube. Journal of Thermal Analysis and Calorimetry, 2010, 101, 297-302.	3.6	29

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127	Polyelectrolyte-assisted synthesis of polystyrene microspheres by dispersion polymerization and the subsequent formation of silica shell. Journal of Colloid and Interface Science, 2010, 344, 410-416.	9.4	24
128	Microencapsulation and characterization of poly(vinyl alcohol)-coated titanium dioxide particles for electrophoretic display. Optical Materials, 2010, 32, 530-534.	3.6	19
129	Effect of homogeneity of methanol/water/monomer mixture on the mode of polymerization of MMA: Soap-free emulsion polymerization versus dispersion polymerization. Polymer, 2010, 51, 1197-1205.	3.8	32
130	Effect of dispersion state of carbon nanotube on the thermal conductivity of poly(dimethyl siloxane) composites. Current Applied Physics, 2010, 10, 359-363.	2.4	112
131	Significance of the Dispersion Stability of Carbon Nanotubes on the Thermal Conductivity of Nylon 610 Nanocomposite. Journal of Dispersion Science and Technology, 2010, 31, 1230-1235.	2.4	7
132	Synthesis of Positively Charged Silica-Coated Polystyrene Microspheres via Dispersion Polymerization Initiated with Amphoteric Initiator. Journal of Dispersion Science and Technology, 2010, 31, 155-161.	2.4	6
133	Polyurethane/PEG-modified MWCNT composite film for the chemical vapor sensor application. Synthetic Metals, 2010, 160, 566-574.	3.9	30
134	Conductive silicone/acetylene black composite film as a chemical vapor sensor. Synthetic Metals, 2010, 160, 1030-1035.	3.9	8
135	Electrospun poly(vinyl alcohol) nanofibers incorporating PEGylated multi-wall carbon nanotube. Synthetic Metals, 2010, 160, 1410-1414.	3.9	21
136	Electrospun PEDOT:PSS/PVP nanofibers as the chemiresistor in chemical vapour sensing. Synthetic Metals, 2010, 160, 1415-1421.	3.9	76
137	MWCNTâ€“OH adsorbed electrospun nylon 6,6 nanofibers chemiresistor and their application in low molecular weight alcohol vapours sensing. Synthetic Metals, 2010, 160, 2664-2669.	3.9	33
138	Surface Modification of Carbon Nanotube by Poly(ethylene glycol) for the Preparation of Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 588-594.	2.2	7
139	An inexpensive route to prepare mesoporous hollow silica microspheres using W/O ethanol/edible soybean oil macroemulsion as the template. Materials Letters, 2009, 63, 2047-2050.	2.6	14
140	Effects of HNO3 treatment of TiO2 nanoparticles on the photovoltaic properties of dye-sensitized solar cells. Materials Letters, 2009, 63, 2208-2211.	2.6	57
141	Synthesis of poly(styreneâ€coâ€4â€vinylpyridine) microspheres via dispersion polymerization: Effect of the concentration of 4â€vinylpyridine. Journal of Applied Polymer Science, 2009, 111, 2900-2907.	2.6	4
142	Rate-acceleration of TEMPO-mediated polymerization of styrene in the presence of various acids. Macromolecular Research, 2009, 17, 14-18.	2.4	1
143	Miniemulsion polymerization of styrene in the presence of graphite nanosheets. Macromolecular Research, 2009, 17, 931-933.	2.4	5
144	Rheology of decamethylcyclopentasiloxane (cyclomethicone) W/O emulsion system. Macromolecular Research, 2009, 17, 943-949.	2.4	10

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145	Dispersion polymerization of styrene employing lyophilic comonomer in the absence of stabilizer: Synthesis of impurity-free microspheres. Macromolecular Research, 2009, 17, 469-475.	2.4	9
146	Production of carbon black/silica composite particles by adsorption of poly(vinyl pyrrolidone). Macromolecular Research, 2009, 17, 718-720.	2.4	6
147	Nucleate boiling heat transfer in aqueous solutions with carbon nanotubes up to critical heat fluxes. International Journal of Multiphase Flow, 2009, 35, 525-532.	3.4	108
148	Colloidal poly(styrene-co-butyl acrylate)/multi-walled carbon nanotubes nanocomposite by heterocoagulation in aqueous media. Polymer, 2009, 50, 3652-3660.	3.8	5
149	Preparation of silica-layered multi-walled carbon nanotubes activated by grafting of poly(4-vinylpyridine). Synthetic Metals, 2009, 159, 62-68.	3.9	14
150	In-situ synthesis of PS/(â˜)silica composite particles in dispersion polymerization using an (Â±) amphoteric initiator. Macromolecular Research, 2008, 16, 329-336.	2.4	11
151	A direct preparation of silica shell on polystyrene microspheres prepared by dispersion polymerization with polyvinylpyrrolidone. Journal of Polymer Science Part A, 2008, 46, 2884-2890.	2.3	30
152	Effect of polyurethaneâ€based macromonomers in the dispersion polymerization of styrene. Journal of Applied Polymer Science, 2008, 109, 2656-2664.	2.6	3
153	Fabrication of silica nanotubes using silica coated multi-walled carbon nanotubes as the template. Journal of Colloid and Interface Science, 2008, 322, 321-326.	9.4	67
154	Encapsulation of multi-walled carbon nanotubes by poly(4-vinylpyridine) and its dispersion stability in various solvent media. Synthetic Metals, 2008, 158, 900-907.	3.9	32
155	Measurement of the dispersion stability of pristine and surface-modified multiwalled carbon nanotubes in various nonpolar and polar solvents. Measurement Science and Technology, 2007, 18, 3707-3712.	2.6	142
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157	Synthesis of polystyrene/silica composite particles by soap-free emulsion polymerization using positively charged colloidal silica. Journal of Colloid and Interface Science, 2007, 310, 112-120.	9.4	95
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