

# Seok Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/258292/publications.pdf>

Version: 2024-02-01

173  
papers

3,166  
citations

145106

33  
h-index

223390

49  
g-index

175  
all docs

175  
docs citations

175  
times ranked

4469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and electrochemical activity of platinum catalyst-supported graphene and Fe-based metal-organic framework composite electrodes for fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 259-267.	2.9	6
2	Preparation and capacitive property of graphene oxide composite supercapacitor electrodes functionalized by Fe-based metal-organic frameworks. <i>Carbon Letters</i> , 2022, 32, 273-283.	3.3	13
3	Hydrothermal synthesis and characterization of quartz nanocrystals – Implications from a simple kinetic growth model. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 440-450.	1.2	0
4	Carboxylated Group Effect of Graphene Oxide on Capacitance Performance of Zr-Based Metal Organic Framework Electrodes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1939-1945.	1.9	7
5	Particle Size Control Influence on the Electrochemical Properties of Sulfur Deposited on Metal Organic Frameworks Host Electrodes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1931-1938.	1.9	10
6	Preparation and Electrochemical Analysis of Ni-Based Metal Organic Frameworks Containing Binary Ligands for Capacitor Electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4670-4674.	0.9	2
7	Preparation and Catalytic Activity of Platinum Supported on Amine-Functionalized MIL-101 (Fe)/Nitrogen-Doped Carbon Nanotube Composite for Fuel Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4644-4648.	0.9	4
8	A Mesoporous Chelating Polymer-Carbon Composite for the Hyper-Efficient Separation of Heavy Metal Ions. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3042-3046.	0.9	5
9	Synthesis and electrochemical performances of platinum decorated polydopamine-coated carbon nanotubes/graphene composites as fuel cell catalysts. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153586.	2.8	12
10	Synthesis of Bi-Metallic Organic Frameworks and Their Capacitive Behaviors According to Metal Mixing Ratio. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2987-2991.	0.9	4
11	Electrochemical Study of Bimetal Organic Frameworks with Graphene Oxide for Lithium-Sulfur Cells as Nanoarchitectonics. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2746-2749.	0.9	8
12	Preparation and Capacitance of Ni Metal Organic Framework/Reduced Graphene Oxide Composites for Supercapacitors as Nanoarchitectonics. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2750-2754.	0.9	19
13	A Sulfur-Infused Separator for Boosting Areal Capacity of Li-S Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4937-4942.	0.9	0
14	Electrochemical Behavior Study of Flower-Shaped Bimetal Organic Frameworks with Graphene Oxide for Cathode of Lithium Sulfur Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4933-4936.	0.9	6
15	Carbon Nanotube-Based Sulfur Cathode with a Mesoporous Carbon-Silica Composite for Long Cycle Life Li-S Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4949-4954.	0.9	2
16	Li <sub>2</sub> S-Incorporated Separator for Achieving High-Energy-Density Li-S Batteries. <i>Journal of Electrochemical Science and Technology</i> , 2020, 11, 33-40.	0.9	2
17	Preparation and Electroactivity of Pt Catalysts on Unzipped Multi-Walled Carbon Nanotube and Graphene Oxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4998-5001.	0.9	2
18	Three-Layer Sulfur Cathode with a Conductive Material-Free Middle Layer. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4943-4948.	0.9	0

#	ARTICLE	IF	CITATIONS
19	Preparation of reduced graphene oxide electrodes treated by electron beam irradiation and their electrochemical behaviors. <i>Research on Chemical Intermediates</i> , 2019, 45, 2715-2726.	1.3	7
20	Microwave-assisted one-pot synthesis of iron(II, III) oxide/reduced graphene oxide for an application of supercapacitor electrode. <i>Carbon Letters</i> , 2019, 29, 411-418.	3.3	13
21	Platinum Supported Nitrogen-Doped Carbon Nanotubes/ZIF-8 Derived Carbon Composite Electrodes for a Methanol Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4661-4664.	0.9	8
22	Facile and Low-Cost Fabrication of Cathode Protection Thin Layer for Durable Li-S Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4643-4646.	0.9	1
23	Study on Electrochemical Performance of Various Oxides-Coated LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Cathode for Lithium Ion Battery. <i>Electronic Materials Letters</i> , 2019, 15, 481-492.	1.0	12
24	Synthesis and electrochemical characterization of nanostructured Ni-Co-MOF/graphene oxide composites as capacitor electrodes. <i>Electrochimica Acta</i> , 2019, 311, 62-71.	2.6	126
25	Mesoporous Carbon-dispersed Carbon Nanotube Film Electrode Incorporated with Sulfur for Long-Life Li-S Batteries. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 412-417.	1.0	2
26	High-Energy-Density Li-S Batteries with Additional Elemental Sulfur Coated on a Thin-Film Separator. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4715-4718.	0.9	1
27	Effect of polydopamine-modified reduced graphene oxides on the catalytic activity of Pt nanoparticles catalysts for fuel cell electrodes. <i>Carbon Letters</i> , 2019, 29, 47-55.	3.3	10
28	A New Concept of a Porous Carbon Interlayer Impregnated with Sulfur for Long-Life and High-Energy Li-S Batteries. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 24-28.	1.0	1
29	Synthesis and electrochemical analysis of electrode prepared from zeolitic imidazolate framework (ZIF)-67/graphene composite for lithium sulfur cells. <i>Electrochimica Acta</i> , 2018, 259, 1021-1029.	2.6	44
30	A Novel Emulsion-Based Replica Method for the Synthesis of Mesoporous Carbon. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7259-7262.	0.9	0
31	All-Solid-State Lithium Battery Working without an Additional Separator in a Polymeric Electrolyte. <i>Polymers</i> , 2018, 10, 1364.	2.0	17
32	Preparation and Electrochemical Behaviors of Sulfur-Containing Electrodes as a Function of Thermal Treatment Temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 279-283.	0.9	4
33	Synthesis of Fe <sub>2</sub> O <sub>3</sub> /KOH-Activated Reduced Graphene Oxide Electrodes and Their Electrochemical Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 314-317.	0.9	3
34	Colloidal Silica Templated Mesoporous Carbons from a Maltose Solution for Use in Supercapacitor Electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7142-7146.	0.9	0
35	Effect of solvated ionic liquids on the ion conducting property of composite membranes for lithium ion batteries. <i>Research on Chemical Intermediates</i> , 2018, 44, 6039-6051.	1.3	7
36	Effect of Reducing Agent on Preparation and Electroactivity of MnO <sub>2</sub> /Graphene Composite Electrode for Capacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7128-7131.	0.9	4

#	ARTICLE	IF	CITATIONS
37	Fabrication and Characterization of the Graphene Composites Containing Embedded Manganese Dioxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 284-287.	0.9	2
38	<i>In Situ</i> Synthesis of Graphene Nanosheet/MoS <sub>2</sub> Composite Electrodes and Their Electrochemical Performance for Lithium Secondary Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 44-47.	0.9	1
39	NiMn <sub>2</sub> O <sub>4</sub> Nanosheet-Decorated Hierarchically Porous Polyaromatic Carbon Spheres for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2017, 4, 1214-1221.	1.7	39
40	Thermal and Electrical Conducting Property of Sodium Polymer Electrolyte Containing Barium Titanate Filler. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5768-5770.	0.9	3
41	Fabrication of Pr-PVP-Co-Doped NanoTiO <sub>2</sub> Film on Titanium Matrix with Outstanding Electrocatalytic Reduction Activity for Oxalic Acid. <i>Journal of the Electrochemical Society</i> , 2017, 164, E260-E264.	1.3	1
42	Effect of addition of 1-butyl-3-methylimidazolium thiocyanate on conductivity of Na-containing polymer electrolyte. <i>Research on Chemical Intermediates</i> , 2017, 43, 5403-5411.	1.3	6
43	Controlling the electrochemical properties of an anode prepared from pitch-based soft carbon for Li-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 99-104.	2.9	17
44	Study on Effect of Carbon Surface Functionalization on Reduced Graphene Oxide Electrodes for Fuel Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5701-5704.	0.9	1
45	Preparation and Electrochemical Characteristics of Polypyrrole/Graphene Nanosheet Composites for Supercapacitor Electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5705-5708.	0.9	1
46	Novel Surface-Initiated Polymerization of Pyrrole on a Vanadium Pentoxide Surface. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5574-5577.	0.9	1
47	Effect of Ionic Liquids on the Capacitance Behaviors of Activated Carbon Electrodes Against Organic Electrolytes. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9149-9152.	0.9	4
48	The Role of the Carbon Framework in Sulfur-Carbon Composite Cathodes in Li-S Batteries. <i>Electrochimica Acta</i> , 2016, 212, 212-216.	2.6	17
49	Synthesis of GNS/TiO <sub>2</sub> Electrodes Through Sol-Gel Method and Their Electrochemical Analysis for Capacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 8594-8597.	0.9	1
50	Pt-Supported Carbon Nanotubes/Reduced Graphene Oxide Composite Electrodes for a Methanol Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 8598-8601.	0.9	3
51	Effects of Porous Carbon Cathode Additives on the Electrochemical Performance of Li-S Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4438-4443.	0.9	2
52	Pore size distribution control of pitch-based activated carbon for improvement of electrochemical property. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 341-346.	2.9	17
53	Effect of Modification by Polydopamine and Polymeric Carbon Nitride on Methanol Oxidation Ability of Pt Catalysts-Supported on Reduced Graphene Oxide. <i>Journal of the Electrochemical Society</i> , 2016, 163, F668-F676.	1.3	16
54	Preparation of Platinum Deposited Graphene Oxide Modified g-C <sub>3</sub> N <sub>4</sub> via Thermal Annealing for Methanol Electrooxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9111-9114.	0.9	3

#	ARTICLE	IF	CITATIONS
55	Electrochemical and structural properties of lithium battery anode materials by using a molecular weight controlled pitch derived from petroleum residue. Journal of Industrial and Engineering Chemistry, 2016, 41, 1-9.	2.9	36
56	Electrochemical Characterization of Nano-Structured Graphene Oxide/CNT Electrodes Containing Sulfur for Lithium Rechargeable Cells. Journal of Nanoscience and Nanotechnology, 2016, 16, 9186-9189.	0.9	6
57	Study on Ion-Conducting Properties of Ionic Liquid Containing Carbonate Electrolytes Against Carbon Electrode. Journal of Nanoscience and Nanotechnology, 2016, 16, 2765-2768.	0.9	3
58	Importance of Specific Capacity Based on the Mass of Active Material in the High Energy Density Li <sup>+</sup> /SO <sub>2</sub> Secondary Batteries with an Inorganic Electrolyte. Bulletin of the Korean Chemical Society, 2016, 37, 917-922.	1.0	6
59	Conducting Polymer Coated Graphene Oxide Electrode for Rechargeable Lithium-Sulfur Batteries. Journal of Nanoscience and Nanotechnology, 2016, 16, 2692-2695.	0.9	16
60	Preparation and electrochemical analysis of graphene nanosheets/nickel hydroxide composite electrodes containing carbon nanotubes. Journal of Industrial and Engineering Chemistry, 2016, 36, 139-146.	2.9	11
61	One-pot microwave-assisted synthesis of reduced graphene oxide/nickel cobalt double hydroxide composites and their electrochemical behavior. Journal of Industrial and Engineering Chemistry, 2016, 33, 108-114.	2.9	42
62	Ion conducting properties of imidazolium salts with tri-alkyl chains in organic electrolytes against activated carbon electrodes. Carbon Letters, 2016, 17, 70-73.	3.3	4
63	Study on urea precursor effect on the electroactivities of nitrogen-doped graphene nanosheets electrodes for lithium cells. Carbon Letters, 2016, 19, 40-46.	3.3	4
64	Preparation and Electrochemical Properties of Polyaniline Composite Electrodes Prepared by In-Situ Polymerization in Hydrous Ruthenium Oxide Dispersed Aqueous Solution. Journal of Nanoscience and Nanotechnology, 2015, 15, 1443-1447.	0.9	4
65	Effects of Selective Polymerization Conditions on Physical Properties of Nanometer Scale Silica/Polypyrrole Composites. Bulletin of the Korean Chemical Society, 2015, 36, 2881-2884.	1.0	1
66	Influence of Adiponitrile Additive on Ethylene Carbonate-based Electrolyte for Capacitors. Bulletin of the Korean Chemical Society, 2015, 36, 99-103.	1.0	2
67	Enhanced Catalytic Activity of Pt Supported on Nitrogen-Doped Reduced Graphene Oxide Electrodes for Fuel Cells. Journal of Nanoscience and Nanotechnology, 2015, 15, 9088-9092.	0.9	1
68	Direct growth of cobalt aluminum double hydroxides on graphene nanosheets and the capacitive properties of the resulting composites. Electrochimica Acta, 2015, 163, 252-259.	2.6	26
69	Effect of alkyl-chain length of imidazolium based ionic liquid on ion conducting and interfacial properties of organic electrolytes. Journal of Industrial and Engineering Chemistry, 2015, 26, 136-142.	2.9	14
70	Electrochemical Analysis of Polyethyleneimine-Conductive Carbon Black Supports for Pt-Pd Electrocatalysts. Journal of Nanoscience and Nanotechnology, 2015, 15, 1610-1613.	0.9	6
71	Optimal Sulfur Content Study on Electrochemical Properties of Graphene Nanosheets/Single-Walled Carbon Nanotube Composite Electrodes. Journal of Nanoscience and Nanotechnology, 2015, 15, 9093-9097.	0.9	0
72	Preparation and Electrochemical Characterization of Pt-Supported Flake-like Graphitic Carbon Nitride on Reduced Graphene Oxide as Fuel Cell Catalysts. Journal of the Electrochemical Society, 2015, 162, F1181-F1190.	1.3	19

#	ARTICLE	IF	CITATIONS
73	Preparation of polyethylene oxide composite electrolytes containing imidazolium cation salt-attached titanium oxides and their conducting behavior. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 31, 352-359.	2.9	16
74	Preparation and electrocatalytic oxidation performance of Pt/MnO <sub>2</sub> @graphene oxide nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 26, 265-269.	2.9	17
75	Synthesis of nitrogen-doped graphene supported Pt nanoparticles catalysts and their catalytic activity for fuel cells. <i>Electrochimica Acta</i> , 2015, 153, 566-573.	2.6	55
76	Electrochemical properties of organic electrolyte solutions containing 1-ethyl-3-methylimidazolium tetrafluoroborate salt. <i>Research on Chemical Intermediates</i> , 2015, 41, 4749-4759.	1.3	6
77	Conducting and interface characterization of carbonate-type organic electrolytes containing EMImBF <sub>4</sub> as an additive against activated carbon electrode. <i>Carbon Letters</i> , 2015, 16, 51-56.	3.3	4
78	Catalytic activity and controllable deposition of platinum nanoparticles on ionic polymer-functionalized graphene as catalysts for direct methanol fuel cells. <i>Carbon Letters</i> , 2015, 16, 260-264.	3.3	3
79	Electrochemical Reduction Mechanism of Sulfur Particles Electrically Isolated from Carbon Cathodes of Lithium-Sulfur Cells. <i>Journal of the Electrochemical Society</i> , 2014, 161, A2117-A2120.	1.3	13
80	Study on Improved Electrochemical Properties of Graphene Nanosheet/Nickel Oxide Composite as Electrode Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 9289-9293.	0.9	0
81	Electrochemical Characterization of Graphene-Co <sub>3</sub> O <sub>4</sub> Composite Electrode in Organic Electrolyte Solution Containing Sulfur. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2472-2476.	0.9	3
82	Synthesis of Amorphous Carbon Materials for Lithium Secondary Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7788-7792.	0.9	4
83	Preparation of polymeric modifier-attached graphene-supported bimetallic Pt@Pd nanocomposites, and their electrochemical properties as electro-catalysts. <i>Research on Chemical Intermediates</i> , 2014, 40, 2773-2783.	1.3	1
84	Preparation and electrochemical property of ionic liquid-attached graphene nanosheets for an application of supercapacitor electrode. <i>Electrochimica Acta</i> , 2014, 119, 11-15.	2.6	27
85	Disordered mesoporous carbon as polysulfide reservoir for improved cyclic performance of lithium-sulfur batteries. <i>Carbon</i> , 2014, 68, 265-272.	5.4	66
86	Surface-modified reduced graphene oxide electrodes for capacitors by ionic liquids and their electrochemical properties. <i>Applied Surface Science</i> , 2014, 295, 31-37.	3.1	22
87	Preparation and Electrochemistry of Platinum Nanoparticles Deposited on Ionic-Liquid-Decorated Reduced Graphene Oxide with an Enhanced Methanol Catalytic Activity. <i>Journal of the Electrochemical Society</i> , 2014, 161, F641-F648.	1.3	14
88	Nitrogen Modified-Reduced Graphene Oxide Supports for Catalysts for Fuel Cells and Their Electrocatalytic Activity. <i>Journal of the Electrochemical Society</i> , 2014, 161, F518-F524.	1.3	16
89	Understanding of Electrochemical Oxidation Route of Electrically Isolated Li <sub>2</sub> S Particles. <i>Journal of the Electrochemical Society</i> , 2014, 161, A2133-A2137.	1.3	25
90	Production of Pt nanoparticles-supported chelating group-modified graphene for direct methanol fuel cells. <i>Research on Chemical Intermediates</i> , 2014, 40, 2509-2517.	1.3	9

#	ARTICLE	IF	CITATIONS
91	Preparation and electrochemical analysis of graphene/polyaniline composites prepared by aniline polymerization. <i>Research on Chemical Intermediates</i> , 2014, 40, 2519-2525.	1.3	9
92	Influence of KMnO <sub>4</sub> oxidation on the electrochemical performance of pitch-based activated carbons. <i>Research on Chemical Intermediates</i> , 2014, 40, 2527-2534.	1.3	3
93	Electrochemical properties of non-aqueous electrolytes containing spiro-type ammonium salts. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4447-4451.	2.9	6
94	Preparation and Capacitive Property of Graphene Nanosheets Prepared by Using an Electrostatic Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7784-7787.	0.9	3
95	Electrochemical Analysis of Polyethylenimine-Modified Graphene Oxide Supports for Pt Nanoparticles Catalyst Electrode. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2388-2394.	0.9	2
96	Filler Effect of Ionic Liquid Attached Titanium Oxide on Conducting Property of Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 <i>Nanotechnology</i> , 2014, 14, 8010-8013.	0.9	4
97	Mesoporous Carbon Additives for Long Cycle Life Sulfur Cathodes of Li-S Batteries. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 3331-3335.	1.0	4
98	Fluoroethylene Carbonate Addition Effect on Electrochemical Properties of Mixed Carbonate-based Organic Electrolyte Solution for a Capacitor. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 466-470.	1.0	9
99	Influence of Electrolyte Composition on Electrochemical Performance of Li-S Cells. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1299-1304.	1.0	7
100	Study on electrochemical performances of sulfur-containing graphene nanosheets electrodes for lithium-sulfur cells. <i>Carbon Letters</i> , 2014, 15, 113-116.	3.3	2
101	Influence of ionic liquid additives on the conducting and interfacial properties of organic solvent-based electrolytes against an activated carbon electrode. <i>Carbon Letters</i> , 2014, 15, 187-191.	3.3	1
102	Electrochemical properties of PEO/PMMA blend-based polymer electrolytes using imidazolium salt-supported silica as a filler. <i>Research on Chemical Intermediates</i> , 2013, 39, 3279-3290.	1.3	9
103	Ion conducting properties of poly(ethylene oxide)-based electrolytes incorporating amorphous silica attached with imidazolium salts. <i>Research on Chemical Intermediates</i> , 2013, 39, 1409-1416.	1.3	3
104	Easy Synthesis of Hierarchical Carbon Spheres with Superior Capacitive Performance in Supercapacitors. <i>Langmuir</i> , 2013, 29, 12266-12274.	1.6	78
105	Study on Ion Conductivity and Crystallinity of Composite Polymer Electrolytes Based on Poly(ethylene oxide)/Poly(acrylonitrile) Containing Nano-Sized Al<sub>2</sub>O<sub>3</sub> Fillers. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 7865-7869.	0.9	28
106	Effect of nano-sized barium titanate addition on PEO/PVDF blend-based composite polymer electrolytes. <i>Solid State Ionics</i> , 2013, 234, 19-24.	1.3	70
107	Effect of carbon blacks filler addition on electrochemical behaviors of Co <sub>3</sub> O <sub>4</sub> /graphene nanosheets as a supercapacitor electrodes. <i>Electrochimica Acta</i> , 2013, 89, 516-522.	2.6	135
108	Preparation and electroactivity of polymer-functionalized graphene oxide-supported platinum nanoparticles catalysts. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6275-6282.	3.8	49

#	ARTICLE	IF	CITATIONS
109	Synthesis and electrochemical analysis of Pt-loaded, polypyrrole-decorated, graphene-composite electrodes. Carbon Letters, 2013, 14, 117-120.	3.3	9
110	Reduction Procedure Effect on the Electrochemical Properties of Conductive Carbon Black Supported Pt-Pd Electrocatalysts. Journal of Nanoscience and Nanotechnology, 2013, 13, 2213-2217.	0.9	0
111	Capacitance behaviors of Polyaniline/Graphene Nanosheet Composites Prepared by Aniline Chemical Polymerization. Carbon Letters, 2013, 14, 51-54.	3.3	25
112	Electrochemical characterization of activated carbon-sulfur composite electrode in organic electrolyte solution. Carbon Letters, 2013, 14, 126-130.	3.3	2
113	Preparation and capacitance behaviors of cobalt oxide/graphene composites. Carbon Letters, 2012, 13, 130-132.	3.3	34
114	Synthesis of Tin Oxide Nanoparticle Film by Cathodic Electrodeposition. Journal of Nanoscience and Nanotechnology, 2012, 12, 1616-1619.	0.9	11
115	Preparation and Electrochemical Characterization of Polyaniline/Activated Carbon Composites as an Electrode Material for Supercapacitors. Journal of Nanoscience and Nanotechnology, 2012, 12, 519-524.	0.9	15
116	Electrochemical Properties of Composite Electrolytes Based on Poly(ethylene oxide)/Poly(ethylene Terephthalate) /Overlock 10 Tf 50 685-689.	0.9	4
117	Electrochemical properties of polyaniline composite electrodes prepared by in-situ polymerization in titanium dioxide dispersed aqueous solution. Synthetic Metals, 2012, 162, 695-701.	2.1	33
118	Synthesis and electrochemical analysis of polyaniline/TiO <sub>2</sub> composites prepared with various molar ratios between aniline monomer and para-toluenesulfonic acid. Electrochimica Acta, 2012, 78, 279-285.	2.6	34
119	Effect of fluorine-oxygen mixed gas treated graphite fibers on electrochemical behaviors of platinum-ruthenium nanoparticles toward methanol oxidation. Journal of Fluorine Chemistry, 2012, 144, 124-129.	0.9	6
120	Electrochemical Properties of Carbon-Supported Metal Nanoparticles Prepared by Electroplating Methods. , 2012, , .		1
121	Precursor Solvent Influence on Preparation and Electrochemical Properties of Platinum Nanoparticles Electrodes. Journal of Nanoscience and Nanotechnology, 2012, 12, 1705-1708.	0.9	3
122	Effect of Plasma Treatments to Graphite Nanofibers Supports on Electrochemical Behaviors of Metal Catalyst Electrodes. Journal of Nanoscience and Nanotechnology, 2012, 12, 1513-1516.	0.9	3
123	Effect of dodecyl benzene sulfonic acid on the preparation of polyaniline/activated carbon composites by in situ emulsion polymerization. Electrochimica Acta, 2012, 59, 196-201.	2.6	68
124	Fabrication and Capacitance of Co <sub>3</sub> O <sub>4</sub> -Graphene Nanocomposites Electrode Prepared by Pulse Microwave-assisted Reduction Methods. Bulletin of the Korean Chemical Society, 2012, 33, 4247-4250.	1.0	15
125	Effect of monomer concentration on interfacial synthesis of platinum loaded polyaniline nanocomplex using poly(styrene sulfonic acid). Synthetic Metals, 2011, 161, 2446-2450.	2.1	15
126	Fluorination effect of activated carbon electrodes on the electrochemical performance of electric double layer capacitors. Journal of Fluorine Chemistry, 2011, 132, 1127-1133.	0.9	64

#	ARTICLE	IF	CITATIONS
127	Preparation and application of chelating polymer-mesoporous silica composite for Europium-ion adsorption. <i>Macromolecular Research</i> , 2011, 19, 421-426.	1.0	10
128	Silica Filler Addition Effect on the Ion Conductivity of PEO Composite Electrolytes Blended with Poly(ethylene imine). <i>Korean Chemical Engineering Research</i> , 2011, 49, 465-469.	0.2	0
129	Electrochemical Behaviors of Polymer Composite Electrolytes Containing Functionalized Nanosize Clays. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 325-328.	0.9	3
130	Influence of crystallinity on ion conductivity of PEO-based solid electrolytes for lithium batteries. <i>Macromolecular Research</i> , 2010, 18, 336-340.	1.0	37
131	Electrochemical properties of carbon nanotube-supported metallic catalysts prepared by changing a sweep- or step-applied potential. <i>Research on Chemical Intermediates</i> , 2010, 36, 693-701.	1.3	4
132	Preparation and characterization of carbon-related materials supports for catalysts of direct methanol fuel cells. <i>Current Applied Physics</i> , 2010, 10, 1142-1147.	1.1	18
133	Application of Ordered Nanoporous Silica for Removal of Uranium Ions from Aqueous Solutions. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 217-221.	0.9	32
134	Reduction Behaviors of Nitric Oxides on Copper-decorated Mesoporous Molecular Sieves. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 100-103.	1.0	2
135	Preparation and electrochemical characterization of platinum and ruthenium catalysts deposited on fluorinated carbon supports. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1553-1558.	1.5	3
136	Preparation and electrochemical properties of composite polymer electrolytes containing 1-ethyl-3-methylimidazolium tetrafluoroborate salts. <i>Electrochimica Acta</i> , 2009, 54, 3775-3780.	2.6	36
137	Interlayer spacing effect of alkylammonium-modified montmorillonite on conducting and mechanical behaviors of polymer composite electrolytes. <i>Journal of Colloid and Interface Science</i> , 2009, 332, 145-150.	5.0	24
138	Preparation and application of chelating polymer-mesoporous carbon composite for copper-ion adsorption. <i>Carbon</i> , 2009, 47, 1043-1049.	5.4	25
139	Electrochemical Behaviors of Polymer Composite Electrolytes Containing Imidazolium-Type Room-Temperature Molten Salts. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 7265-8.	0.9	0
140	Preparation and electrocatalytic activities of platinum nanoclusters deposited on modified multi-walled carbon nanotubes supports. <i>Analytica Chimica Acta</i> , 2008, 619, 43-48.	2.6	34
141	An experimental study on the effect of mesoporous silica addition on ion conductivity of poly(ethylene oxide) electrolytes. <i>Current Applied Physics</i> , 2008, 8, 729-731.	1.1	14
142	Electrical signal effect on electrochemical activities of metal catalysts electrically deposited on carbon nanotubes. <i>Electrochimica Acta</i> , 2008, 53, 4082-4088.	2.6	27
143	Electroactivity of Pt-Ru/polyaniline composite catalyst-electrodes prepared by electrochemical deposition methods. <i>Solid State Ionics</i> , 2008, 178, 1915-1915.	1.3	34
144	Application of polymer-modified nanoporous silica to adsorbents of uranyl ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 162-166.	2.3	48

#	ARTICLE	IF	CITATIONS
145	Preparation and characterization of mesoporous carbon-supported Pt nanocatalyst and its stability under strong acidic solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 167-170.	2.3	7
146	Preparation and electrochemical behaviors of platinum nanocluster catalysts deposited on plasma-treated carbon nanotube supports. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 189-192.	2.3	4
147	Ionic conductivity of polymeric nanocomposite electrolytes based on poly(ethylene oxide) and organo-clay materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 216-219.	2.3	60
148	Catalytic activity of electrically deposited platinum nanoparticle catalysts on graphite nanofibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 220-223.	2.3	13
149	Preparation of functionalized nanoporous carbons for uranium loading. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 292-295.	2.3	38
150	Preparation of Platinum-Ruthenium Nanoparticles on Graphite Nanofibers. <i>Solid State Phenomena</i> , 2008, 135, 39-42.	0.3	1
151	Adsorption Characteristics of Uranyl Ions on Carboxymethylated Polyethyleneimine (CM-PEI) / Activated Carbon Composites. <i>Solid State Phenomena</i> , 2007, 124-126, 1257-1260.	0.3	1
152	Ion Conductivity of Polymer Electrolytes Based on PEO Containing Li Salt and Additive Salt. <i>Solid State Phenomena</i> , 2007, 119, 119-122.	0.3	1
153	Ion Conducting Behaviors of Polymeric Composite Electrolytes Containing Mesoporous Silicates. <i>Solid State Phenomena</i> , 2007, 119, 51-54.	0.3	0
154	Preparation and ion-conducting behaviors of poly(ethylene oxide)-composite electrolytes containing lithium montmorillonite. <i>Solid State Ionics</i> , 2007, 178, 973-979.	1.3	75
155	New approaches to improve cycle life characteristics of lithium-sulfur cells. <i>Electrochemistry Communications</i> , 2007, 9, 249-254.	2.3	162
156	Effect of imidazolium cation on cycle life characteristics of secondary lithium-sulfur cells using liquid electrolytes. <i>Electrochimica Acta</i> , 2007, 52, 2116-2122.	2.6	73
157	Effect of acid/base treatment to carbon blacks on preparation of carbon-supported platinum nanoclusters. <i>Electrochimica Acta</i> , 2007, 52, 3013-3021.	2.6	56
158	Preparation and electrochemical behaviors of polymeric composite electrolytes containing mesoporous silicate fillers. <i>Electrochimica Acta</i> , 2007, 52, 3477-3484.	2.6	42
159	Preparation and electrochemical behaviors of platinum nanoparticles impregnated on binary carbon supports as catalyst electrodes of direct methanol fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 821-828.	1.2	24
160	Effects of chemical treatment of carbon supports on electrochemical behaviors for platinum catalysts of fuel cells. <i>Journal of Power Sources</i> , 2006, 159, 42-45.	4.0	73
161	Growth of multiwalled carbon nanotubes from acetylene over in situ formed Co nanoparticles on MgO support. <i>Solid State Communications</i> , 2006, 139, 102-107.	0.9	10
162	Influence of plasma treatment of carbon blacks on electrochemical activity of Pt/carbon blacks catalysts for DMFCs. <i>Journal of Power Sources</i> , 2006, 159, 46-48.	4.0	40

#	ARTICLE	IF	CITATIONS
163	Effects of imidazolium salts on discharge performance of rechargeable lithium-sulfur cells containing organic solvent electrolytes. <i>Journal of Power Sources</i> , 2005, 152, 272-277.	4.0	70
164	Effect of cathode component on the energy density of lithium-sulfur battery. <i>Electrochimica Acta</i> , 2004, 50, 833-835.	2.6	47
165	The effect of solvent component on the discharge performance of Lithium-sulfur cell containing various organic electrolytes. <i>Electrochimica Acta</i> , 2004, 50, 889-892.	2.6	90
166	Roles of metal nanoparticles on organosulfur-conducting polymer composites for lithium battery with high energy density. <i>Macromolecular Symposia</i> , 2002, 186, 35-40.	0.4	6
167	Synthesis and characterization of polyaniline-polycarbonate composites prepared by an emulsion polymerization. <i>Synthetic Metals</i> , 1999, 104, 95-100.	2.1	63
168	pH effect on the electrochemical redox reaction of disulfide with polyaniline film electrode in organic solution. <i>Synthetic Metals</i> , 1998, 96, 213-221.	2.1	7
169	Annealing effect on the electrochemical property of polyaniline complexed with various acids. <i>Synthetic Metals</i> , 1998, 97, 127-133.	2.1	32
170	Electrical Conductivity Change of Polyaniline-Dodecyl Benzene Sulfonic Acid Complex with Temperature. <i>Polymers for Advanced Technologies</i> , 1996, 7, 599-603.	1.6	29
171	Electrochemical properties of dodecylbenzenesulfonic acid doped polyaniline film in various organic electrolyte solutions. <i>Synthetic Metals</i> , 1995, 69, 139-140.	2.1	5
172	Electrochemical properties of dodecylbenzenesulfonic acid doped polyaniline film in various organic electrolyte solutions. , 1994, , .		0
173	Electrochemical properties of dodecylsulfate-doped polypyrrole films in aqueous solution containing NH <sub>4</sub> Cl and ZnCl <sub>2</sub> . <i>Synthetic Metals</i> , 1994, 64, 9-15.	2.1	17