

Youngkwan Lee

List of Publications by Year in descending order

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153
papers

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101543

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154
docs citations

154
times ranked

6313
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired Adhesive Architectures: From Skin Patch to Integrated Bioelectronics. <i>Advanced Materials</i> , 2019, 31, e1803309.	21.0	203
2	Cross-Linked Chitosan as an Efficient Binder for Si Anode of Li-ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2658-2665.	8.0	195
3	Fabrication of polypyrrole (PPy)/carbon nanotube (CNT) composite electrode on ceramic fabric for supercapacitor applications. <i>Electrochimica Acta</i> , 2011, 56, 7460-7466.	5.2	173
4	Graphene oxide porous paper from amine-functionalized poly(glycidyl methacrylate)/graphene oxide core-shell microspheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 9200.	6.7	149
5	Synthesis of hierarchical NiCo ₂ O ₄ hollow nanorods via sacrificial-template accelerate hydrolysis for electrochemical glucose oxidation. <i>Biosensors and Bioelectronics</i> , 2016, 75, 15-22.	10.1	146
6	Epoxidized Natural Rubber/Chitosan Network Binder for Silicon Anode in Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16449-16457.	8.0	121
7	Harnessing aptamers for electrochemical detection of endotoxin. <i>Analytical Biochemistry</i> , 2012, 424, 12-20.	2.4	107
8	Determination of endotoxin through an aptamer-based impedance biosensor. <i>Biosensors and Bioelectronics</i> , 2012, 32, 32-36.	10.1	104
9	Electrochemical detection of copper ion using a modified copolythiophene electrode. <i>Electrochimica Acta</i> , 2009, 54, 7012-7017.	5.2	87
10	Synthesis of hierarchical Ni(OH) ₂ hollow nanorod via chemical bath deposition and its glucose sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 674-681.	7.8	86
11	Electrochemical detection of HER2 using single stranded DNA aptamer modified gold nanoparticles electrode. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 446-450.	7.8	83
12	Ferrocene-Encapsulated Zn Zeolitic Imidazole Framework (ZIF-8) for Optical and Electrochemical Sensing of Amyloid- β Oligomers and for the Early Diagnosis of Alzheimer's Disease. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11743-11748.	8.0	81
13	Highly sensitive non-enzymatic glucose sensor based on over-oxidized polypyrrole nanowires modified with Ni(OH) ₂ nanoflakes. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 93-101.	7.8	80
14	MnO ₂ /graphene composite electrodes for supercapacitors: the effect of graphene intercalation on capacitance. <i>Journal of Materials Chemistry</i> , 2011, 21, 18215.	6.7	78
15	All Biomass and UV Protective Composite Composed of Compatibilized Lignin and Poly (Lactic-acid). <i>Scientific Reports</i> , 2017, 7, .	3.3	78
16	RuOx/polypyrrole nanocomposite electrode for electrochemical capacitors. <i>Synthetic Metals</i> , 2010, 160, 1055-1059.	3.9	77
17	Solvent-assisted morphology confinement of a nickel sulfide nanostructure and its application for non-enzymatic glucose sensor. <i>Biosensors and Bioelectronics</i> , 2016, 85, 587-595.	10.1	70
18	Polypyrrole nanowire modified with Gly-Gly-His tripeptide for electrochemical detection of copper ion. <i>Biosensors and Bioelectronics</i> , 2010, 26, 940-945.	10.1	67

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19	Electrochemical analysis of copper ion using a Gly-Gly-His tripeptide modified poly(3-thiopheneacetic) Tj ETQq1.1 0.784314 rgB	10.1	64
20	Facile and cost-effective CuS dendrite electrode for non-enzymatic glucose sensor. Sensors and Actuators B: Chemical, 2017, 249, 161-167.	7.8	60
21	Low-oxidation-potential conducting polymers derived from 3,4-ethylenedioxythiophene and dialkoxybenzenes. Journal of Polymer Science Part A, 2001, 39, 2164-2178.	2.3	57
22	Highly sensitive electrochemical lead ion sensor harnessing peptide probe molecules on porous gold electrodes. Biosensors and Bioelectronics, 2013, 48, 263-269.	10.1	57
23	A solid state actuator based on the PEDOT/NBR system. Sensors and Actuators B: Chemical, 2006, 119, 621-624.	7.8	56
24	Direct Metallization of Gold Nanoparticles on a Polystyrene Bead Surface using Cationic Gold Ligands. Macromolecular Rapid Communications, 2007, 28, 634-640.	3.9	56
25	Multifunctional Chitosan-rGO Network Binder for Enhancing the Cycle Stability of Li-S Batteries. Advanced Functional Materials, 2020, 30, 1907680.	14.9	55
26	Nonenzymatic cholesterol sensor based on spontaneous deposition of platinum nanoparticles on layer-by-layer assembled CNT thin film. Sensors and Actuators B: Chemical, 2012, 171-172, 374-379.	7.8	54
27	Highly sensitive and selective determination of bisphenol-A using peptide-modified gold electrode. Biosensors and Bioelectronics, 2014, 61, 38-44.	10.1	54
28	Selective detection of endotoxin using an impedance aptasensor with electrochemically deposited gold nanoparticles. Innate Immunity, 2013, 19, 388-397.	2.4	52
29	A facile synthetic route for well defined multilayer films of graphene and PEDOT via an electrochemical method. Journal of Materials Chemistry, 2012, 22, 1899-1903.	6.7	47
30	Curcumin-based electrochemical sensor of amyloid- β oligomer for the early detection of Alzheimer's disease. Sensors and Actuators B: Chemical, 2018, 273, 1593-1599.	7.8	46
31	Morphology and composition control of manganese oxide by the pulse reverse electrodeposition technique for high performance supercapacitors. Journal of Materials Chemistry A, 2013, 1, 14606.	10.3	45
32	Synthesis and mechanical properties of poly(styrene-b-isobutylene-b-styrene) block copolymer ionomers. Polymer Engineering and Science, 1997, 37, 73-80.	3.1	43
33	Transparent actuator made with few layer graphene electrode and dielectric elastomer, for variable focus lens. Applied Physics Letters, 2013, 103, .	3.3	41
34	Sensitive electrochemical sensor for detection of lipopolysaccharide on metal complex immobilized gold electrode. Sensors and Actuators B: Chemical, 2012, 174, 490-494.	7.8	40
35	Strongly Anchoring Polysulfides by Hierarchical Fe ₃ O ₄ /C ₃ N ₄ Nanostructures for Advanced Lithium-Sulfur Batteries. Nano-Micro Letters, 2020, 12, 139.	27.0	40
36	Ultrasensitive Detection of Amyloid- β Using Cellular Prion Protein on the Highly Conductive Au Nanoparticles-Poly(3,4-ethylene dioxythiophene)-Poly(thiophene-3-acetic acid) Composite Electrode. Analytical Chemistry, 2019, 91, 11259-11265.	6.5	38

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37	Monitoring of early diagnosis of Alzheimer's disease using the cellular prion protein and poly(pyrrole-2-carboxylic acid) modified electrode. <i>Biosensors and Bioelectronics</i> , 2018, 113, 82-87.	10.1	37
38	Synthesis and characterization of linear and three-arm star radial poly(styrene-b-isobutylene-b-styrene) block copolymers using blocked dicumyl chloride or tricumyl chloride/TiCl ₄ /pyridine initiating system. <i>Polymer</i> , 1993, 34, 4330-4335.	3.8	36
39	Fabrication of all-polymer micro-DMFCs using UV-sensitive photoresist. <i>Electrochimica Acta</i> , 2004, 50, 795-799.	5.2	35
40	Preparation of PEDOT/Cu composite film by in situ redox reaction between EDOT and copper(II) chloride. <i>Synthetic Metals</i> , 2008, 158, 865-869.	3.9	35
41	A New Narrow Band Gap Electroactive Polymer: Poly[2,5-bis{2-(3,4-ethylenedioxy)thienyl}silole]. <i>Chemistry of Materials</i> , 2001, 13, 2234-2236.	6.7	34
42	Effect of magnetic field on electrochemical polymerization of EDOT. <i>Synthetic Metals</i> , 2008, 158, 1043-1046.	3.9	34
43	Highly conductive PEDOT/silicate hybrid anode for ITO-free polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 471-477.	6.2	34
44	Poly(3,4-ethylenedioxythiophene) vapor-phase polymerization on glass substrate for enhanced surface smoothness and electrical conductivity. <i>Macromolecular Research</i> , 2007, 15, 465-468.	2.4	32
45	Aptamer-Assisted Gold Nanoparticles/PEDOT Platform for Ultrasensitive Detection of LPS. <i>Electroanalysis</i> , 2013, 25, 380-386.	2.9	30
46	New redox-mediating polymer binder for enhancing performance of Li-S batteries. <i>Journal of Energy Chemistry</i> , 2020, 44, 154-161.	12.9	30
47	Elastic rubber-containing multifunctional binder for advanced Li-S batteries. <i>Chemical Engineering Journal</i> , 2021, 405, 126628.	12.7	30
48	High-Performance Li-Se Battery Enabled via a One-Piece Cathode Design. <i>Advanced Energy Materials</i> , 2020, 10, 1903477.	19.5	29
49	Ionic interactions in polyacrylonitrile/polypyrrole conducting polymer composite. <i>Journal of Applied Polymer Science</i> , 1998, 69, 2641-2648.	2.6	28
50	Characteristics of the Nafion®-impregnated polycarbonate composite membranes for PEMFCs. <i>Electrochimica Acta</i> , 2004, 50, 577-581.	5.2	28
51	Enhanced Sensitivity of a Galactose Biosensor Fabricated with a Bundle of Conducting Polymer Microtubules. <i>Electroanalysis</i> , 2011, 23, 2125-2130.	2.9	28
52	Living Carbocationic Polymerization of Isobutylene Using Blocked Dicumyl Chloride or Tricumyl Chloride/TiCl ₄ /Pyridine Initiating System. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1992, 29, 1017-1030.	2.2	26
53	Supercapacitor characteristics of pressurized RuO ₂ /carbon powder as binder-free electrodes. <i>RSC Advances</i> , 2014, 4, 48276-48284.	3.6	26
54	Supercritical Carbon Dioxide-Assisted Process for Well-Dispersed Silicon/Graphene Composite as a Li ion Battery Anode. <i>Scientific Reports</i> , 2016, 6, 32011.	3.3	26

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55	Fabrication of Polypyrrole Nanorod Arrays for Supercapacitor: Effect of Length of Nanorods on Capacitance. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5036-5041.	0.9	25
56	Nonenzymatic amperometric glucose sensor based on a composite prepared from CuO, reduced graphene oxide, and carbon nanotube. <i>Mikrochimica Acta</i> , 2016, 183, 3285-3292.	5.0	25
57	Solvent-free bulk polymerization of lignin-polycaprolactone (PCL) copolymer and its thermoplastic characteristics. <i>Scientific Reports</i> , 2019, 9, 7033.	3.3	25
58	A face robot actuated with artificial muscle based on dielectric elastomer. <i>Journal of Mechanical Science and Technology</i> , 2005, 19, 578-588.	1.5	24
59	High molecular weight thermoplastic polyether ester elastomer by reactive extrusion. <i>Polymer Engineering and Science</i> , 2009, 49, 1456-1460.	3.1	24
60	Electrochemical preparation and energy storage properties of nanoporous Co(OH) ₂ via pulse current deposition. <i>Journal of Materials Science</i> , 2015, 50, 6491-6497.	3.7	24
61	Sulfonation of tert-alkyl chlorides: Application to the tert-chloride-terminated polyisobutylene system. <i>Journal of Polymer Science Part A</i> , 1991, 29, 317-325.	2.3	23
62	Iridium Oxide Dendrite as a Highly Efficient Dual Electro-Catalyst for Water Splitting and Sensing of H ₂ O ₂ . <i>Journal of the Electrochemical Society</i> , 2017, 164, B3029-B3035.	2.9	23
63	Ni(OH) ₂ @Cu dendrite structure for highly sensitive glucose determination. <i>RSC Advances</i> , 2014, 4, 47714-47720.	3.6	22
64	Electrochemical Preparation of Polypyrrole Copolymer Films from PSPMS Precursor. <i>Macromolecules</i> , 1999, 32, 4615-4618.	4.8	21
65	Fast Charging Lithium-Sulfur Batteries Enabled via Lean Binder Content. <i>Small</i> , 2020, 16, e2004372.	10.0	21
66	Constructing robust zincophilic channels on Zn anode for long-life Zn-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 440, 135822.	12.7	21
67	Saponin-containing multifunctional binder toward superior long-term cycling stability in Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10419-10425.	10.3	20
68	Morphology and thermal properties of PPS/ABS blend systems. <i>Journal of Applied Polymer Science</i> , 2003, 87, 661-665.	2.6	19
69	Fabrication of Nickel/Gold Multilayered Shells on Polystyrene Bead Cores by Sequential Electroless Deposition Processes. <i>Journal of Electronic Materials</i> , 2008, 37, 1648-1652.	2.2	19
70	Hydrogen peroxide detection using a polypyrrole/Prussian blue nanowire modified electrode. <i>Macromolecular Research</i> , 2011, 19, 673-678.	2.4	19
71	A layered hollow sphere architecture of iridium-decorated carbon electrode for oxygen evolution catalysis. <i>Carbon</i> , 2017, 115, 50-58.	10.3	19
72	Recycling respirator masks to a high-value product: From COVID-19 prevention to highly efficient battery separator. <i>Chemical Engineering Journal</i> , 2022, 430, 132723.	12.7	19

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73	Melting Processing of Biodegradable Cellulose Diacetate/Starch Composites. <i>Macromolecular Symposia</i> , 2006, 242, 126-130.	0.7	18
74	Facile transformation of nanofibrillar polymer aerogel to carbon nanorods catalyzed by platinum nanoparticles. <i>Journal of Materials Chemistry</i> , 2008, 18, 4254.	6.7	18
75	Rheological and mechanical properties of polypropylene composites containing microfibrillated cellulose (MFC) with improved compatibility through surface silylation. <i>Cellulose</i> , 2019, 26, 1085-1097.	4.9	18
76	Rapid and highly sensitive MnOx nanorods array platform for a glucose analysis. <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 137-144.	7.8	17
77	Determination of hydrogen peroxide using a Prussian Blue modified macroporous gold electrode. <i>Mikrochimica Acta</i> , 2015, 182, 1089-1094.	5.0	17
78	Quantitative Electrode Design Modeling of an Electroadhesive Lifting Device Based on the Localized Charge Distribution and Interfacial Polarization of Different Objects. <i>ACS Omega</i> , 2019, 4, 7994-8000.	3.5	17
79	Hierarchical and ultra-sensitive amyloid beta oligomer sensor for practical applications. <i>Chemical Engineering Journal</i> , 2020, 401, 126055.	12.7	17
80	Nanostructured conductive polymer shield for highly reversible dendrite-free zinc metal anode. <i>Chemical Engineering Journal</i> , 2022, 427, 131954.	12.7	17
81	Dry Type Conducting Polymer Actuator Based on Polypyrrole-NBR/Ionic Liquid System. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 444, 241-246.	0.9	16
82	Polymer photovoltaic devices using highly conductive poly(3,4-ethylenedioxythiophene-methanol) electrode. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1398-1403.	6.2	16
83	Preparation and physical properties of the biocomposite, cellulose diacetate/kenaf fiber sized with poly(vinyl alcohol). <i>Macromolecular Research</i> , 2010, 18, 566-570.	2.4	16
84	Electrochemical Detection of Lead Ion Based on a Peptide Modified Electrode. <i>Electroanalysis</i> , 2016, 28, 998-1002.	2.9	16
85	Design and Control of a Multi-jointed Robot Finger Driven by an Artificial Muscle Actuator. <i>Advanced Robotics</i> , 2010, 24, 1983-2003.	1.8	15
86	An aggregation-mediated assembly of graphene oxide on amine-functionalized poly(glycidyl) ether. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6462-6466.	5.5	15
87	Facile fabrication of highly flexible poly(lactic acid) film using alternate multilayers of poly[(butylene adipate) terephthalate]. <i>Polymer International</i> , 2015, 64, 581-585.	3.1	15
88	Nanocomposites of polymer gel electrolyte based on poly(ethylene glycol diacrylate) and Mg-Al layered double hydroxides. <i>Polymer International</i> , 2004, 53, 1523-1528.	3.1	14
89	Gold Nanostructures Formed in Ionic Clusters of Perfluorinated Ionomer. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1483-1488.	3.9	14
90	Crosslinked Gel Polymer Electrolytes for Si Anodes in Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2755-A2761.	2.9	14

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91	Investigation of the structure and properties of polyisobutylene-based telechelic ionomers of narrow molecular weight distribution. II. mechanical. <i>Journal of Applied Polymer Science</i> , 1997, 63, 507-519.	2.6	13
92	Bio-derived Materials Achieving High Performance in Alkali Metal-chalcogen Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2008354.	14.9	13
93	Multi-jointed robot finger driven by artificial muscle actuator. , 2009, , .		12
94	Synthesis, characterization and self-assembled film of poly(3-((2,3-dihydrothieno[3,4-b][1,4]dioxin-2-yl)methoxy)propane-1-thiol) (PEDTMSHA). <i>Synthetic Metals</i> , 2010, 160, 2471-2475.	3.9	12
95	Facile synthesis of MnCO ₃ nanoparticles by supercritical CO ₂ and their conversion to manganese oxide for supercapacitor electrode materials. <i>Journal of Materials Science</i> , 2015, 50, 5952-5959.	3.7	12
96	Durable Conductive Webs as Multifunctional Binder for the High-Performance Lithium-sulfur Battery. <i>ACS Applied Energy Materials</i> , 2020, 3, 7825-7831.	5.1	12
97	Binder-free and High-loading Cathode Realized by Hierarchical Structure for Potassium-sulfur Batteries. <i>Small Methods</i> , 2022, 6, e2100899.	8.6	12
98	Optimization of desmear process for high adhesion of insulating film in printed circuit boards (PCBs) via Taguchi method. <i>International Journal of Adhesion and Adhesives</i> , 2011, 31, 466-472.	2.9	11
99	Synthesis of BaTiO ₃ nanoparticles as shape modified filler for high dielectric constant ceramic-polymer composite. <i>RSC Advances</i> , 2020, 10, 29278-29286.	3.6	11
100	Point-of-Care Platform for Early Diagnosis of Parkinson's Disease. <i>ACS Applied Bio Materials</i> , 2020, 3, 8997-9001.	4.6	11
101	Proton conducting membrane using multi-layer acid-base complex formation on porous PE film. <i>Journal of Membrane Science</i> , 2006, 284, 155-160.	8.2	10
102	Composition-dependent curing behavior and peel strength of epoxy resins for printed circuit boards (PCBs). <i>Macromolecular Research</i> , 2010, 18, 47-52.	2.4	10
103	Fabrication of modified-poly(divinylbenzene)/Au core-shell structure. <i>Synthetic Metals</i> , 2006, 156, 872-877.	3.9	9
104	Wearable tactile display based on soft actuator. , 0, , .		9
105	One-step synthesis of polymer-stabilized Ag particles on PEDOT: Effects of stabilizer and electrochemical method on formation of Ag particle. <i>Macromolecular Research</i> , 2010, 18, 1070-1075.	2.4	9
106	Long-life lithium-sulfur battery enabled by a multifunctional gallium oxide shield. <i>Chemical Engineering Journal</i> , 2021, 420, 129772.	12.7	9
107	Highly Stable Potassium-Ion Battery Enabled by Nanoengineering of an Sb Anode. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17175-17184.	8.0	9
108	Cellulose diacetate reinforced with electrospun cellulose fiber: A new route to prepare an all cellulose-based composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 53, 10-15.	7.6	8

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109	Facile electrochemical synthesis of titanium dioxide dendrites and their electrochemical properties. <i>Chemical Communications</i> , 2015, 51, 3391-3394.	4.1	7
110	Preparation of Conducting Polymer/Metal Nanocomposites. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 444, 275-282.	0.9	6
111	Multi-stacked artificial muscle actuator based on synthetic elastomer. , 2007, , .		6
112	Fabrication and Characterization of PEDOT/Au Films by Chemical Vapor Polymerization Using Au ³⁺ Oxidant. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4714-4717.	0.9	6
113	Multi-metal shell coated with surface modification of polystyrene bead cores to improve its adhesion metal shell. <i>Surface and Interface Analysis</i> , 2010, 42, 36-39.	1.8	6
114	Aqua-processable carbon quantum dot-assisted resilient polymer binder for advanced lithium-sulfur batteries. <i>International Journal of Energy Research</i> , 2021, 45, 21050-21057.	4.5	6
115	Effect of polymer blending on the electrical conductivity of polypyrrole/copolyester composite films. <i>Polymer Bulletin</i> , 1998, 41, 713-719.	3.3	5
116	Electrostatic Interactions in Conducting Polymer Composite PAN/PPy. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 316, 313-316.	0.3	5
117	Electrochemical Polymerization and Characterization of Conducting Copolymers from Pyrrole and PSCMS. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 316, 309-312.	0.3	5
118	Synthesis and Characterization of a Soluble and Transparent Conducting Polymer, Poly(3,4-Ethylenedioxythiophene). <i>Molecular Crystals and Liquid Crystals</i> , 1999, 327, 237-240.	0.3	5
119	High-performance heat-sink composites incorporating micron-sized inorganic fillers and Sn/In metal particles. <i>Polymer Engineering and Science</i> , 2012, 52, 2435-2442.	3.1	5
120	Printed Circuit Patterns of Conducting Polymer. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 472, 113/[503]-122/[512].	0.9	4
121	The effect of oligomer blending on the flow properties of polycarbonate. <i>Macromolecular Research</i> , 2009, 17, 1021-1024.	2.4	4
122	Effect of reaction time and temperature on the morphology and ion-exchange capacity of polystyrene beads sulfonated using different sulfonating agents. <i>Polymer Bulletin</i> , 2010, 64, 717-725.	3.3	4
123	MONTMORILLONITE-REINFORCED NATURAL RUBBER NANOCOMPOSITES THROUGH EMULSION STABILIZATION-DESTABILIZATION METHOD. <i>Rubber Chemistry and Technology</i> , 2012, 85, 165-179.	1.2	4
124	Natural rubber/fluoroelastomer blended composites using colloid stabilization-destabilization method. <i>Macromolecular Research</i> , 2012, 20, 673-681.	2.4	4
125	Influence of elastomeric core-shell impact modifiers on mechanical properties of cellulose diacetate resin. <i>Cellulose</i> , 2013, 20, 3239-3245.	4.9	4
126	Sulfonation of chlorine-containing polymers: Sulfonation of various model tert-alkyl chlorides. <i>Polymer Bulletin</i> , 1990, 24, 165-172.	3.3	3

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127	Electrochemical Preparation of Conductive Copolymer Pvc-g-Ppy. Molecular Crystals and Liquid Crystals, 1996, 280, 193-198.	0.3	3
128	Effect of copolyester structure on the conductivity of polypyrrole/copolyester composite films. Polymer Bulletin, 1997, 39, 473-479.	3.3	3
129	Transparent and Conductive Composite of Poly(3,4-Ethylenedioxythiophene) and Silica Sol-Gel Materials. Molecular Crystals and Liquid Crystals, 1999, 337, 213-216.	0.3	3
130	Electrically Conducting Poly(Acrylonitrile-Co-Pyrrolylmethylstyrene)-G-Polypyrrole. Molecular Crystals and Liquid Crystals, 2000, 349, 355-358.	0.3	3
131	Enhanced Sensitivity of a Glucose Sensor Adopting Polymer Microtubule. Molecular Crystals and Liquid Crystals, 2008, 492, 155/[519]-164/[528].	0.9	3
132	Amperometric Phenol Sensors Employing Conducting Polymer Microtubule Structure. Molecular Crystals and Liquid Crystals, 2010, 519, 69-76.	0.9	3
133	Low-voltage electrophoretic deposition of polyetherimide through quarternization and re-imidization reactions. Korea Australia Rheology Journal, 2013, 25, 261-266.	1.7	3
134	Electrical Conductivity of Anion-Containing Copolyesters and Polypyrrole Composite Films. Molecular Crystals and Liquid Crystals, 1999, 327, 229-232.	0.3	2
135	Two Different Phases of a Conducting Polymer Film Formed by Electrocasting Method. Molecular Crystals and Liquid Crystals, 2006, 445, 9/[299]-16/[306].	0.9	2
136	The Electrochemical and Thermal Stability of PEDOT-based Composite Films. Molecular Crystals and Liquid Crystals, 2006, 444, 191-196.	0.9	2
137	A Solid State Actuator Based on the PEDOT/NBR System: Effect of Anion Size of Imidazolium Ionic Liquid. Molecular Crystals and Liquid Crystals, 2007, 464, 51/[633]-56/[638].	0.9	2
138	Design of a core-shell structure of Au/poly(divinylbenzene) using polypyrrole interlayer. Intermetallics, 2010, 18, 523-528.	3.9	2
139	Growth of Poly(pyrrole) Copolymer Films by Electrochemical Method and their Electrical Conductivity. Molecular Crystals and Liquid Crystals, 1998, 316, 305-308.	0.3	1
140	Electrochemical Fabrication of Conducting Polymer onto Selected Positions. Molecular Crystals and Liquid Crystals, 2006, 444, 283-290.	0.9	1
141	Field Emission Property of Micro Emitter Array Fabricated from Conducting Polymer. Molecular Crystals and Liquid Crystals, 2006, 462, 117-126.	0.9	1
142	Polymerization of 3TUTS SAM Formed on ITO Substrates. Molecular Crystals and Liquid Crystals, 2007, 471, 163-171.	0.9	1
143	Characteristics of PEDOT/NBR/PEDOT Solid Actuator Depending on the NBR Polarity. Molecular Crystals and Liquid Crystals, 2007, 472, 289/[679]-296/[686].	0.9	1
144	Fabrication of PAN/Pt Composite Electrode for Direct Methanol Oxidation in Aqueous Media. Molecular Crystals and Liquid Crystals, 2007, 464, 23/[605]-30/[612].	0.9	1

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145	Field Emission From Micro Tubule Structure of CNT/Conducting Polymer Composites. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 492, 147/[511]-154[518].	0.9	1
146	Deposition of Gold Shell on Polypyrrole Coated Poly(divinylbenzene) Core. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 491, 339-347.	0.9	1
147	Low oxidation potential conducting polymers derived from 3,4-ethylenedioxythiophene and dialkoxybenzenes. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2164-2178.	2.3	1
148	Ultra-Stable Lithium-Sulfur Batteries Using Nickel Phosphide@Carbon Fabric Interlayer. <i>Journal of the Electrochemical Society</i> , 0, , .	2.9	1
149	Synthesis of triphenylsilyl- and triphenylmethyl-telechelic polyisobutylene: An approach to the synthesis of multi-ion telechelic ionomers. <i>Journal of Polymer Science Part A</i> , 1993, 31, 35-44.	2.3	0
150	Conducting Polymer Composite Using Ionic Interaction. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 294, 205-208.	0.3	0
151	Electrical Conductivity of Polypyrrole/Copolyester Composite Films Prepared from Copolyester-FeCl ₃ Surface Adsorption. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 349, 435-438.	0.3	0
152	Emission Property of Composite Micro Tubule Cathode Molded by Capillary Action. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 472, 77/[467]-86/[476].	0.9	0
153	Tunable surface hardness and dielectric constant of SiC _x O _y thin film converted from solution-processed organosilicon compound. <i>Journal of Materials Science</i> , 2012, 47, 4540-4545.	3.7	0