Kenichi Oyaizu

List of Publications by Year
in descending order

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265 papers	9,687 citations	50244 46 h-index	48277 88 g-index
279 all docs	279 docs citations	279 times ranked	7473 citing authors

#	Article	IF	Citations
1	Synthesis of methylated phenylene sulfide polymers via bulk oxidative polymerization and their heat curing triggered by dynamic disulfide exchange. Polymer Journal, 2022, 54, 1-10.	1.3	2
2	Synthesis of colorless and high-refractive-index sulfoxide-containing polymers by the oxidation of poly(phenylene sulfide) derivatives. Polymer Chemistry, 2022, 13, 1705-1711.	1.9	7
3	Poly(vinyl diphenylquinoxaline) as a hydrogen storage material toward rapid hydrogen evolution. MRS Communications, 2022, 12, 213-216.	0.8	3
4	Designing Ultrahigh-Refractive-Index Amorphous Poly(phenylene sulfide)s Based on Dense Intermolecular Hydrogen-Bond Networks. Macromolecules, 2022, 55, 2252-2259.	2.2	10
5	Quadruply Fused Aromatic Heterocycles toward 4 Vâ€Class Robust Organic Cathodeâ€Active Materials. Batteries and Supercaps, 2022, 5, .	2.4	5
6	Cover Feature: Quadruply Fused Aromatic Heterocycles toward 4 Vâ€Class Robust Organic Cathodeâ€Active Materials (Batteries & Supercaps 8/2022). Batteries and Supercaps, 2022, 5, .	2.4	0
7	Automated Design of Li⁺â€Conducting Polymer by Quantumâ€Inspired Annealing. Macromolecular Rapid Communications, 2022, 43, .	2.0	8
8	Facile reversible hydrogenation of a poly(6â€vinylâ€2,3â€dimethylâ€1,2,3,4â€tetrahydroquinoxaline) gelâ€like solid. Polymers for Advanced Technologies, 2021, 32, 1162-1167.	1.6	8
9	Nitroxide radical polymers for emerging plastic energy storage and organic electronics: fundamentals, materials, and applications. Materials Horizons, 2021, 8, 803-829.	6.4	69
10	Electrochemical characterization and thermodynamic analysis of TEMPO derivatives in ionic liquids. Physical Chemistry Chemical Physics, 2021, 23, 10205-10217.	1.3	13
11	TEMPOâ€Substituted Poly(ethylene sulfide) for Solidâ€State Electroâ€Chemical Charge Storage. Macromolecular Rapid Communications, 2021, 42, e2000607.	2.0	12
12	Unravelling kinetic and mass transport effects on two-electron storage in radical polymer batteries. Journal of Materials Chemistry A, 2021, 9, 13071-13079.	5.2	21
13	Synthesis of vinyl polymers substituted with 2-propanol and acetone and investigation of their reversible hydrogen storage capabilities. Polymer Journal, 2021, 53, 799-804.	1.3	8
14	Anomalous Potential Shifts of Redox-active Molecules in Highly Concentrated Electrolytes. Chemistry Letters, 2021, 50, 1375-1377.	0.7	4
15	Hydrophilic Anthraquinone-Substituted Polymer: Its Environmentally Friendly Preparation and Efficient Charge/Proton-Storage Capability for Polymerâ€“Air Secondary Batteries. Macromolecules, 2021, 54, 4854-4859.	2.2	15
16	Generative Models for Extrapolation Prediction in Materials Informatics. ACS Omega, 2021, 6, 14566-14574.	1.6	12
17	Catechol End-Capped Poly(arylene sulfide) as a High-Refractive-Index â€œTiO₂/ZrO₂-Nanodispersibleâ€•Polymer. ACS Applied Polymer Materials, 2021, 3, 4495-4503.	2.0	12
18	A PROXYLâ€Type Norbornene Polymer for Highâ€Voltage Cathodes in Lithium Batteries. Macromolecular Rapid Communications, 2021, 42, e2100374.	2.0	11

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19	Alcohol-Substituted Vinyl Polymers for Stockpiling Hydrogen. Bulletin of the Chemical Society of Japan, 2021, 94, 2770-2773.	2.0	2
20	Tackling the Challenge of a Huge Materials Science Search Space with Quantumâ€Inspired Annealing. Advanced Intelligent Systems, 2021, 3, 2000209.	3.3	15
21	Facile Synthesis of Poly(Glycidyl Ether)s with Ionic Pendant Groups by Thiolâ€Ene Reactions. Macromolecular Rapid Communications, 2020, 41, 1900399.	2.0	6
22	Metalâ€Free, Solidâ€State, Paperlike Rechargeable Batteries Consisting of Redoxâ€Active Polyethers. ChemSusChem, 2020, 13, 2443-2448.	3.6	21
23	Ultrahigh oxygen-scavenging norbornene copolymers bearing imidazolyl iron complexes for fabricating active and sustainable packaging films. Chemical Communications, 2020, 56, 964-967.	2.2	3
24	A Highly Flexible Yet >300â€‰mAhâ€‰cm âˆ’3 Energy Density Lithiumâ€Ion Battery Assembled with the Cathode of a Redoxâ€Active Polyether Binder. Energy Technology, 2020, 8, 1901159.	1.8	3
25	Rechargeable proton exchange membrane fuel cell containing an intrinsic hydrogen storage polymer. Communications Chemistry, 2020, 3, .	2.0	35
26	Reversible Reduction of the TEMPO Radical: One Step Closer to an All-Organic Redox Flow Battery. ACS Sustainable Chemistry and Engineering, 2020, 8, 17988-17996.	3.2	37
27	Charge- and Proton-Storage Capability of Naphthoquinone-Substituted Poly(allylamine) as Electrode-Active Material for Polymerâ€“Air Secondary Batteries. ACS Applied Energy Materials, 2020, 3, 12019-12024.	2.5	16
28	Integrating multiple materials science projects in a single neural network. Communications Materials, 2020, 1, .	2.9	22
29	A Polymer Sheetâ€Based Hydrogen Carrier. European Journal of Organic Chemistry, 2020, 2020, 5876-5879.	1.2	9
30	Conducting Redox Polymer as Organic Anode Material for Polymerâ€Manganese Secondary Batteries. ChemElectroChem, 2020, 7, 3336-3340.	1.7	17
31	Reversible Hydrogen Fixation and Release under Mild Conditions by Poly(vinylquinoxaline). ACS Applied Polymer Materials, 2020, 2, 2756-2760.	2.0	13
32	Poly(dihydroxybenzoquinone): its high-density and robust charge storage capability in rechargeable acidic polymerâ€“air batteries. Chemical Communications, 2020, 56, 4055-4058.	2.2	29
33	Charge-Transfer Complexes for Solid-State Li+ Conduction. ACS Applied Electronic Materials, 2020, 2, 2211-2217.	2.0	8
34	AI-Assisted Exploration of Superionic Glass-Type Li⁺ Conductors with Aromatic Structures. Journal of the American Chemical Society, 2020, 142, 3301-3305.	6.6	59
35	Facile Synthesis of Isotactic Polyacrylonitrile via Template Polymerization in Interlayer Space for Dielectric Energy Storage. ACS Applied Polymer Materials, 2020, 2, 775-781.	2.0	7
36	Conducting Redox Polymer as a Robust Organic Electrodeâ€Active Material in Acidic Aqueous Electrolyte towards Polymerâ€“Air Secondary Batteries. ChemSusChem, 2020, 13, 2280-2285.	3.6	25

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37	Phenolic antioxidant-incorporated durable perovskite layers and their application for a solar cell. MRS Communications, 2020, 10, 312-316.	0.8	10
38	A Highly Flexible Yet >300â€‰mAhâ€‰cm^{â¯3} Energy Density Lithiumâ€Ion Battery Assembled with the Cathode of a Redoxâ€Active Polyether Binder. Energy Technology, 2020, 8, 2070035.	1.8	2
39	Ultrafast Charge/Discharge by a 99.9% Conventional Lithium Iron Phosphate Electrode Containing 0.1% Redox-Active Fluoflavin Polymer. ACS Energy Letters, 2020, 5, 1712-1717.	8.8	23
40	Methoxy-Substituted Phenylenesulfide Polymer with Excellent Dispersivity of TiO2 Nanoparticles for Optical Application. Bulletin of the Chemical Society of Japan, 2020, 93, 1287-1292.	2.0	8
41	Allylic hydrocarbon polymers complexed with Fe(II)(salen) as a ultrahigh oxygen-scavenging and active packaging film. Pure and Applied Chemistry, 2020, 92, 871-882.	0.9	1
42	Hole-transporting diketopyrrolopyrrole-thiophene polymers and their additive-free application for a perovskite-type solar cell with an efficiency of 16.3%. Polymer Journal, 2019, 51, 91-96.	1.3	15
43	Characterization of PEDOT-Quinone conducting redox polymers in water-in-salt electrolytes for safe and high-energy Li-ion batteries. Electrochemistry Communications, 2019, 105, 106489.	2.3	30
44	Antiâ€Oxidizing Radical Polymerâ€Incorporated Perovskite Layers and their Photovoltaic Characteristics in Solar Cells. ChemSusChem, 2019, 12, 5207-5212.	3.6	20
45	Oxygen Scavenging and Oxygen Barrier Poly(1,2â€butadiene) Films Containing an Ironâ€Complex Catalyst. Macromolecular Chemistry and Physics, 2019, 220, 1900294.	1.1	5
46	Nonconjugated Redox-Active Polymer Mediators for Rapid Electrocatalytic Charging of Lithium Metal Oxides. ACS Applied Energy Materials, 2019, 2, 6375-6382.	2.5	27
47	Toward Improved Performance of All-Organic Nitroxide Radical Batteries with Ionic Liquids: A Theoretical Perspective. ACS Sustainable Chemistry and Engineering, 2019, 7, 5367-5375.	3.2	27
48	Full Organic Aqueous Battery Based on TEMPO Small Molecule with Millimeter-Thick Electrodes. Chemistry of Materials, 2019, 31, 1869-1880.	3.2	42
49	Reversible Hydrogen Releasing and Fixing with Poly(Vinylfluorenol) through a Mild Irâ€Catalyzed Dehydrogenation and Electrochemical Hydrogenation. Macromolecular Rapid Communications, 2019, 40, e1900139.	2.0	18
50	n-Type Redox-active Benzoylpyridinium-substituted Supramolecular Gel for an Organogel-based Rechargeable Device. Chemistry Letters, 2019, 48, 555-557.	0.7	5
51	Perovskite/TiO₂ Interface Passivation Using Poly(vinylcarbazole) and Fullerene for the Photovoltaic Conversion Efficiency of 21%. ACS Applied Energy Materials, 2019, 2, 2848-2853.	2.5	27
52	Organic Electronics: Ultrathin and Stretchable Rechargeable Devices with Organic Polymer Nanosheets Conformable to Skin Surface (Small 13/2019). Small, 2019, 15, 1970067.	5.2	1
53	Ultrathin and Stretchable Rechargeable Devices with Organic Polymer Nanosheets Conformable to Skin Surface. Small, 2019, 15, 1805296.	5.2	30
54	Synthesis of Lithium-ion Conducting Polymers Designed by Machine Learning-based Prediction and Screening. Chemistry Letters, 2019, 48, 130-132.	0.7	32

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55	Hydrophilic Organic Redox-Active Polymer Nanoparticles for Higher Energy Density Flow Batteries. ACS Applied Polymer Materials, 2019, 1, 188-196.	2.0	40
56	Redox-Active Polymers as an Organic Energy Storage Material. , 2019, , 587-594.		6
57	Oxoammonium cation of 2,2,6,6-tetramethylpiperidin-1-oxyl: a very efficient dopant for hole-transporting triaryl amines in a perovskite solar cell. MRS Communications, 2018, 8, 122-126.	0.8	9
58	Poly(diphenanthrenequinone-substituted norbornene) for Long Life and Efficient Lithium Battery Cathodes. Bulletin of the Chemical Society of Japan, 2018, 91, 721-727.	2.0	13
59	Arylamine polymers prepared via facile paraldehyde addition condensation: an effective holeâ€transporting material for perovskite solar cells. Polymer International, 2018, 67, 670-674.	1.6	10
60	Diffusion-Cooperative Model for Charge Transport by Redox-Active Nonconjugated Polymers. Journal of the American Chemical Society, 2018, 140, 1049-1056.	6.6	130
61	Poly(vinyldibenzothiophenesulfone): Its Redox Capability at Very Negative Potential Toward an Allâ€Organic Rechargeable Device with Highâ€Energy Density. Advanced Functional Materials, 2018, 28, 1805858.	7.8	45
62	An Ultrahigh Output Rechargeable Electrode of a Hydrophilic Radical Polymer/Nanocarbon Hybrid with an Exceptionally Large Current Density beyond 1 A cm^{â^'2}. Advanced Materials, 2018, 30, e1800900.	11.1	73
63	Organic Batteries: An Ultrahigh Output Rechargeable Electrode of a Hydrophilic Radical Polymer/Nanocarbon Hybrid with an Exceptionally Large Current Density beyond 1 A cm^{â^'2} (Adv. Mater. 26/2018). Advanced Materials, 2018, 30, 1870194.	11.1	1
64	Polymerâ€Based Whiteâ€Lightâ€Emitting Electrochemical Cells with Very High Colorâ€Rendering Index Based on Blueâ€Green Fluorescent Polyfluorenes and Redâ€Phosphorescent Iridium Complexes. ChemPlusChem, 2018, 83, 463-469.	1.3	19
65	Chargeâ€“Discharge with Rocking-Chair-Type Li+ Migration Characteristics in a Zwitterionic Radical Copolymer Composed of TEMPO and Trifluoromethanesulfonylimide with Carbonate Electrolytes for a High-Rate Li-Ion Battery. Macromolecules, 2017, 50, 1950-1958.	2.2	39
66	Lowâ€Cost, Organic Lightâ€Emitting Electrochemical Cells with Massâ€Producible Nanoimprinted Substrates Made Using Rollâ€toâ€Roll Methods. Advanced Materials Technologies, 2017, 2, 1600293.	3.0	38
67	Totally Organic-based Bendable Rechargeable Devices Composed of Hydrophilic Redox Polymers and Aqueous Electrolyte. Chemistry Letters, 2017, 46, 693-694.	0.7	12
68	Synthesis of Highly Crystallized Poly(1,4-phenylene sulfide) via Oxygen-Oxidative Polymerization of Diphenyl Disulfide. Bulletin of the Chemical Society of Japan, 2017, 90, 843-846.	2.0	5
69	Printed Electronics: Low-Cost, Organic Light-Emitting Electrochemical Cells with Mass-Producible Nanoimprinted Substrates Made Using Roll-to-Roll Methods (Adv. Mater. Technol. 5/2017). Advanced Materials Technologies, 2017, 2, .	3.0	1
70	Supramolecular Organic Radical Gels Formed with 2,2,6,6-Tetramethylpiperidin-1-oxyl-Substituted Cyclohexanediamines: A Very Efficient Charge-Transporting and -Storable Soft Material. Chemistry of Materials, 2017, 29, 5942-5947.	3.2	26
71	Redox Mediation through TEMPO-substituted Polymer with Nanogap Electrodes for Electrochemical Amplification. Chemistry Letters, 2017, 46, 647-650.	0.7	11
72	A hydrogen-storing quinaldine polymer: nickel-electrodeposition-assisted hydrogenation and subsequent hydrogen evolution. Polymer International, 2017, 66, 647-652.	1.6	8

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73	Command Surface of Self-Organizing Structures by Radical Polymers with Cooperative Redox Reactivity. Journal of the American Chemical Society, 2017, 139, 13600-13603.	6.6	14
74	High-color-rendering-index white polymer light-emitting electrochemical cells based on ionic host-guest systems: Utilization of blend films of blue-fluorescent cationic polyfluorenes and red-phosphorescent cationic iridium complexes. Organic Electronics, 2017, 51, 168-172.	1.4	13
75	Grafted radical polymer brush for surface-driven switching of chiral nematic liquid crystals. Polymer Journal, 2017, 49, 691-693.	1.3	10
76	Ag nanocluster-based color converters for white organic light-emitting devices. Journal of Applied Physics, 2017, 122, .	1.1	15
77	Synthesis of Dimethyl-Substituted Polyviologen and Control of Charge Transport in Electrodes for High-Resolution Electrochromic Displays. Polymers, 2017, 9, 86.	2.0	9
78	Synthesis and Chargeâ€“Discharge Properties of Organometallic CoÂpolymers of Ferrocene and TriphenÂylamine as Cathode Active Materials for Organicâ€Battery Applications. European Journal of Inorganic Chemistry, 2016, 2016, 1030-1035.	1.0	30
79	Metallopolyyne polymers with ferrocenyl pendant ligands as cathode-active materials for organic battery application. Journal of Organometallic Chemistry, 2016, 812, 51-55.	0.8	27
80	Emerging Organosulfonium Electrophiles as Unique Reagents for Carbonâ€“Sulfur Bond Formation: Prospects in Synthetic Chemistry of Organosulfur Compounds. Chemistry Letters, 2016, 45, 102-109.	0.7	24
81	Poly(norbornyl-NDIs) as a potential cathode-active material in rechargeable charge storage devices. RSC Advances, 2016, 6, 42911-42916.	1.7	14
82	A Quasi-Solid State DSSC with 10.1% Efficiency through Molecular Design of the Charge-Separation and -Transport. Scientific Reports, 2016, 6, 28022.	1.6	73
83	A ketone/alcohol polymer for cycle of electrolytic hydrogen-fixing with water and releasing under mild conditions. Nature Communications, 2016, 7, 13032.	5.8	28
84	Electrochemical current rectification with cross reaction at a TEMPO/viologen-substituted polymer thin-layer heterojunction. RSC Advances, 2016, 6, 99195-99201.	1.7	10
85	Enhanced catalytic activity of oxovanadium complexes in oxidative polymerization of diphenyl disulfide. Polymer Chemistry, 2016, 7, 2087-2091.	1.9	13
86	Dynamic switching of ionic conductivity by cooperative interaction of polyviologen and liquid crystals for efficient charge storage. Journal of Materials Chemistry A, 2016, 4, 3249-3252.	5.2	19
87	Kinetic Control of Electron Transfer at Doped Zinc Oxide/Redox-active Molecule Interface for Photocurrent Rectification. Chemistry Letters, 2015, 44, 41-43.	0.7	1
88	Poly(1,4-phenylene sulfide) (PPS) Synthesis via Oxidative Polymerization of Diphenyl Disulfide: Mechanistic Insight into the Selective Formation of 1,4-Thiophenylene Chain. Chemistry Letters, 2015, 44, 767-769.	0.7	10
89	Vanadyl-TrBR₄ -Catalyzed Oxidative Polymerization of Diphenyl Disulfide. Macromolecular Chemistry and Physics, 2015, 216, 1850-1855.	1.1	6
90	Synthesis of Poly(TEMPOâ€Substituted Glycidyl Ether) by Utilizing tâ€BuOK/18â€Crownâ€6 for an Organic Cathodeâ€Active Material. Macromolecular Symposia, 2015, 351, 90-96.	0.4	21

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91	Electrochemical Formation of a Polyviologenâ€“ZnO Composite with an Efficient Charging Capability. Chemistry Letters, 2015, 44, 393-395.	0.7	2
92	Polyviologen as the charge-storage electrode of an aqueous electrolyte- and organic-based dye-sensitized solar cell. Polymer, 2015, 68, 353-357.	1.8	16
93	Facile grafting-onto-preparation of block copolymers of TEMPO and glycidyl methacrylates on an oxide substrate as an electrode-active layer. Polymer, 2015, 68, 310-314.	1.8	25
94	Efficient charge transport of a radical polyether/SWCNT composite electrode for an organic radical battery with high charge-storage density. RSC Advances, 2015, 5, 15448-15452.	1.7	60
95	High-Density and Robust Charge Storage with Poly(anthraquinone-substituted norbornene) for Organic Electrode-Active Materials in Polymerâ€“Air Secondary Batteries. Macromolecules, 2015, 48, 2429-2434.	2.2	78
96	Oxygen-enriched electrolytes based on perfluorochemicals for high-capacity lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2015, 3, 10845-10850.	5.2	29
97	Facile charge transport and storage by a TEMPO-populated redox mediating polymer integrated with polyaniline as electrical conducting path. Polymer Journal, 2015, 47, 212-219.	1.3	29
98	Expanding the Dimensionality of Polymers Populated with Organic Robust Radicals toward Flow Cell Application: Synthesis of TEMPO-Crowded Bottlebrush Polymers Using Anionic Polymerization and ROMP. Macromolecules, 2014, 47, 8611-8617.	2.2	91
99	Anionic Polymerization of 4-Methacryloyloxy-TEMPO Using an MMA-Capped Initiator. ACS Macro Letters, 2014, 3, 240-243.	2.3	57
100	TEMPO/Viologen Electrochemical Heterojunction for Diffusion-Controlled Redox Mediation: A Highly Rectifying Bilayer-Sandwiched Device Based on Cross-Reaction at the Interface between Dissimilar Redox Polymers. ACS Applied Materials & Interfaces, 2014, 6, 4043-4049.	4.0	27
101	In-situ Polymerization of Thiophene Derivatives Using a Gas-phase Oxidant to Form a Hole-transporting Layer in Dye-sensitized Solar Cell. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 347-350.	0.1	1
102	Ionic Liquid-inspired Redox Shuttles: Properties of a Ferrocenylimidazolium Salt as an Efficient Mediator for Dye-sensitized Solar Cells. Chemistry Letters, 2014, 43, 1134-1136.	0.7	3
103	Redox-active Hydroxy-TEMPO Radical Immobilized in Nafion Layer for an Aqueous Electrolyte-based and Dye-sensitized Solar Cell. Chemistry Letters, 2014, 43, 480-482.	0.7	22
104	Redox equilibrium of a zwitterionic radical polymer in a non-aqueous electrolyte as a novel Li+ host material in a Li-ion battery. Journal of Materials Chemistry A, 2013, 1, 9608.	5.2	36
105	Enhanced bimolecular exchange reaction through programmed coordination of a five-coordinate oxovanadium complex for efficient redox mediation in dye-sensitized solar cells. Dalton Transactions, 2013, 42, 16090.	1.6	19
106	BODIPY-Sensitized Photocharging of Anthraquinone-Populated Polymer Layers for Organic Photorechargeable Air Battery. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 243-250.	1.9	19
107	Self-doping inspired zwitterionic pendant design of radical polymers toward a rocking-chair-type organic cathode-active material. Journal of Materials Chemistry A, 2013, 1, 1326-1333.	5.2	42
108	Polyviologen Hydrogel with High-Rate Capability for Anodes toward an Aqueous Electrolyte-Type and Organic-Based Rechargeable Device. ACS Applied Materials & Interfaces, 2013, 5, 1355-1361.	4.0	102

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109	Robust and efficient charge storage by uniform grafting of TEMPO radical polymer around multi-walled carbon nanotubes. Journal of Materials Chemistry A, 2013, 1, 2999.	5.2	46
110	Organic Batteries. , 2013, , 235-246.		1
111	Synthesis of Pendant Nitronyl Nitroxide Radical-Containing Poly(norbornene)s as Ambipolar Electrode-Active Materials. Macromolecules, 2013, 46, 1361-1367.	2.2	87
112	Air Battery: Design of Organic Anode-Active Polymer Layers. Membrane, 2013, 38, 131-136.	0.0	0
113	Macromolecular Complexes Leading to Highâ€Performance Energy Devices. Macromolecular Symposia, 2012, 317-318, 248-258.	0.4	8
114	Electrolyte anion-assisted charge transportation in poly(oxoammonium cation/nitroxyl radical) redox gels. Journal of Materials Chemistry, 2012, 22, 13669.	6.7	42
115	Nitroxide Radicals as Highly Reactive Redox Mediators in Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2012, 51, 10177-10180.	7.2	93
116	Indoline Dye-Coupled Polyviologen: Its Electrochemical Property and Electropolymerization. Japanese Journal of Applied Physics, 2012, 51, 10NE17.	0.8	0
117	TEMPO-substituted polyacrylamide for an aqueous electrolyte-typed and organic-based rechargeable device. Science China Chemistry, 2012, 55, 822-829.	4.2	32
118	Indoline Dye-Coupled Polyviologen: Its Electrochemical Property and Electropolymerization. Japanese Journal of Applied Physics, 2012, 51, 10NE17.	0.8	1
119	Aqueous Electrochemistry of Poly(vinylanthraquinone) for Anode-Active Materials in High-Density and Rechargeable Polymer/Air Batteries. Journal of the American Chemical Society, 2011, 133, 19839-19843.	6.6	206
120	Dual Dopable Poly(phenylacetylene) with Nitronyl Nitroxide Pendants for Reversible Ambipolar Charging and Discharging. Chemistry Letters, 2011, 40, 184-185.	0.7	50
121	Organic Radical Battery Approaching Practical Use. Chemistry Letters, 2011, 40, 222-227.	0.7	254
122	Polymerization of lactic O-carboxylic anhydride using organometallic catalysts. Chinese Journal of Polymer Science (English Edition), 2011, 29, 197-202.	2.0	22
123	Functionalization of poly(4â€chloromethylstyrene) with anthraquinone pendants for organic anodeâ€active materials. Polymers for Advanced Technologies, 2011, 22, 1242-1247.	1.6	62
124	pâ€and nâ€Type Bipolar Redoxâ€Active Radical Polymer: Toward Totally Organic Polymerâ€Based Rechargeable Devices with Variable Configuration. Advanced Materials, 2011, 23, 751-754.	11.1	226
125	Radical Polymerâ€Wrapped SWNTs at a Molecular Level: Highâ€Rate Redox Mediation Through a Percolation Network for a Transparent Chargeâ€Storage Material. Advanced Materials, 2011, 23, 4440-4443.	11.1	103
126	Designing current collector/composite electrode interfacial structure of organic radical battery. Journal of Power Sources, 2011, 196, 7806-7811.	4.0	35

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127	Porphyrin-Dye Sensitized Solar Cell Utilizing Nitroxide Radical Mediator. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2010, 23, 353-355.	0.1	16
128	Electronic Communication in the Formation of a Quartet Molecule 2,6,10-Tris[bis(p-methoxyphenyl)aminium]triphenylene. Chemistry Letters, 2010, 39, 356-357.	0.7	4
129	Nitroxide Radicals for Highly Efficient Redox Mediation in Dye-sensitized Solar Cells. Chemistry Letters, 2010, 39, 464-465.	0.7	59
130	Synthesis and Electrochemistry of Schiff Base Cobalt(III) Complexes and Their Catalytic Activity for Copolymerization of Epoxide and Carbon Dioxide. Macromolecular Chemistry and Physics, 2010, 211, 669-676.	1.1	19
131	Biodegradable and Electroactive TEMPOâ€Substituted Acrylamide/Lactide Copolymers. Macromolecular Bioscience, 2010, 10, 1203-1209.	2.1	22
132	Synthesis of amphiphilic block copolymers bearing stable nitroxyl radicals. Journal of Polymer Science Part A, 2010, 48, 5404-5410.	2.5	33
133	Nanolithographic patterning via electrochemical oxidation of stable poly(nitroxide radical)s to poly(oxoammonium salt)s. Journal of Materials Chemistry, 2010, 20, 9616.	6.7	28
134	A TEMPO-substituted polyacrylamide as a new cathode material: an organic rechargeable device composed of polymer electrodes and aqueous electrolyte. Green Chemistry, 2010, 12, 1573.	4.6	153
135	Redox-active polyimide/carbon nanocomposite electrodes for reversible charge storage at negative potentials: expanding the functional horizon of polyimides. Journal of Materials Chemistry, 2010, 20, 5404.	6.7	83
136	Improving Charge/Discharge Properties of Radical Polymer Electrodes Influenced Strongly by Current Collector/Carbon Fiber Interface. Journal of Physical Chemistry B, 2010, 114, 8335-8340.	1.2	57
137	Synthesis and Charge Transport Properties of Redox-Active Nitroxide Polyethers with Large Site Density. Macromolecules, 2010, 43, 10382-10389.	2.2	121
138	Emerging Nâ€Type Redoxâ€Active Radical Polymer for a Totally Organic Polymerâ€Based Rechargeable Battery. Advanced Materials, 2009, 21, 1627-1630.	11.1	360
139	Radical Polymers for Organic Electronic Devices: A Radical Departure from Conjugated Polymers?. Advanced Materials, 2009, 21, 2339-2344.	11.1	417
140	An Aqueous, Electrolyteâ€Type, Rechargeable Device Utilizing a Hydrophilic Radical Polymerâ€Cathode. Macromolecular Chemistry and Physics, 2009, 210, 1989-1995.	1.1	116
141	Chiral alkylated poly(m-phenylene)s: Optical activity and thermal stability of helical structures. Synthetic Metals, 2009, 159, 925-930.	2.1	5
142	Environmentally benign batteries based on organic radical polymers. Pure and Applied Chemistry, 2009, 81, 1961-1970.	0.9	79
143	A rechargeable battery based on hydrophilic radical polymer electrode and its green assessment. Green Chemistry Letters and Reviews, 2009, 2, 169-174.	2.1	15
144	An ultrafast chargeable polymer electrode based on the combination of nitroxide radical and aqueous electrolyte. Chemical Communications, 2009, , 836-838.	2.2	164

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145	Synthesis of Poly(oxoammonium salt)s and Their Electrical Properties in the Organic Thin Film Device. Chemistry Letters, 2009, 38, 1160-1161.	0.7	30
146	Facilitated oxygen transport through a Nafion membrane containing cobaltporphyrin as a fixed oxygen carrier. Polymer, 2008, 49, 5659-5664.	1.8	31
147	Preparation of pH-sensitive liposomes retaining SOD mimic and their anticancer effect. Colloids and Surfaces B: Biointerfaces, 2008, 67, 54-58.	2.5	26
148	Totally Organic Polymer-Based Electrochromic Cell Using TEMPO-Substituted Polynorbornene as a Counter Electrode-Active Material. Polymer Journal, 2008, 40, 763-767.	1.3	73
149	Synthesis and Characterization of Radical-Bearing Polyethers as an Electrode-Active Material for Organic Secondary Batteries. Macromolecules, 2008, 41, 6646-6652.	2.2	145
150	Nernstian Adsorbate-like Bulk Layer of Organic Radical Polymers for High-Density Charge Storage Purposes. Journal of the American Chemical Society, 2008, 130, 14459-14461.	6.6	209
151	Toward Flexible Batteries. Science, 2008, 319, 737-738.	6.0	1,017
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