Hiroyuki Nishide

List of Publications by Year
in descending order

633	17,538	20817 60	29157 104
papers	citations	h-index	g-index

664	664	664	10444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Poly(vinyl diphenylquinoxaline) as a hydrogen storage material toward rapid hydrogen evolution. MRS Communications, 2022, 12, 213-216.	1.8	3
2	Organic redox polymers as electrochemical energy materials. Green Chemistry, 2022, 24, 4650-4679.	9.0	18
3	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.	3.2	8
4	Nonpolar Water Clusters: Proton Nuclear Magnetic Resonance Spectroscopic Evidence for Transformation from Polar Water to Nonpolar Water Clusters in Liquid State. Journal of Physical Chemistry Letters, 2021, 12, 276-279.	4.6	4
5	Completely Solar-Driven Photoelectrochemical Water Splitting Using a Neat Polythiophene Film. Cell Reports Physical Science, 2021, 2, 100306.	5.6	10
6	Organic Ï€â€Conjugated Polymers as Photocathode Materials for Visibleâ€Lightâ€Enhanced Hydrogen and Hydrogen Peroxide Production from Water. Advanced Energy Materials, 2021, 11, 2003724.	19.5	36
7	Synthesis of vinyl polymers substituted with 2-propanol and acetone and investigation of their reversible hydrogen storage capabilities. Polymer Journal, 2021, 53, 799-804.	2.7	8
8	Oscillation mechanism in polymer electrolyte membrane fuel cell studied by <i>operando</i> monitoring of oxygen partial pressure using optical probes. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2021, 72, 230-237.	0.2	6
9	Hydrophilic Anthraquinone-Substituted Polymer: Its Environmentally Friendly Preparation and Efficient Charge/Proton-Storage Capability for Polymerâ€“Air Secondary Batteries. Macromolecules, 2021, 54, 4854-4859.	4.8	15
10	Porous polyelectrolyte materials with controlled luminescence properties based on aromaticâ€aromatic interactions with rhodamine B. Polymers for Advanced Technologies, 2021, 32, 2781.	3.2	2
11	Two States of Water Converge to One State below 215 K. Journal of Physical Chemistry Letters, 2021, 12, 5802-5806.	4.6	3
12	Poly(3â€alkylthiophene) Films as Solventâ€Processable Photoelectrocatalysts for Efficient Oxygen Reduction to Hydrogen Peroxide. Advanced Energy and Sustainability Research, 2021, 2, 2100103.	5.8	4
13	Copolymer of Phenylene and Thiophene toward a Visibleâ€Lightâ€Driven Photocatalytic Oxygen Reduction to Hydrogen Peroxide. Advanced Science, 2021, 8, 2003077.	11.2	26
14	Organic Ï€â€Conjugated Polymers as Photocathode Materials for Visibleâ€Lightâ€Enhanced Hydrogen and Hydrogen Peroxide Production from Water (Adv. Energy Mater. 43/2021). Advanced Energy Materials, 2021, 11, .	19.5	0
15	Poly(3â€alkylthiophene) Films as Solventâ€Processable Photoelectrocatalysts for Efficient Oxygen Reduction to Hydrogen Peroxide. Advanced Energy and Sustainability Research, 2021, 2, .	5.8	1
16	Ultrahigh oxygen-scavenging norbornene copolymers bearing imidazolyl iron complexes for fabricating active and sustainable packaging films. Chemical Communications, 2020, 56, 964-967.	4.1	3
17	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, 1901159.	3.8	3
18	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.	5.1	16

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19	Optimizing the Interdomain Spacing in Alicyclic Polythiourea toward Highâ€Energyâ€Storable Dielectric Material. Macromolecular Rapid Communications, 2020, 41, 2000167.	3.9	17
20	Conducting Redox Polymer as Organic Anode Material for Polymerâ€Manganese Secondary Batteries. ChemElectroChem, 2020, 7, 3336-3340.	3.4	17
21	Reversible Hydrogen Fixation and Release under Mild Conditions by Poly(vinylquinoxaline). ACS Applied Polymer Materials, 2020, 2, 2756-2760.	4.4	13
22	Poly(dihydroxybenzoquinone): its high-density and robust charge storage capability in rechargeable acidic polymerâ€“air batteries. Chemical Communications, 2020, 56, 4055-4058.	4.1	29
23	Vapor-Phase Formation of a Hole-Transporting Thiophene Polymer Layer for Evaporated Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 6496-6502.	8.0	12
24	Facile Synthesis of Isotactic Polyacrylonitrile via Template Polymerization in Interlayer Space for Dielectric Energy Storage. ACS Applied Polymer Materials, 2020, 2, 775-781.	4.4	7
25	Conducting Redox Polymer as a Robust Organic Electrodeâ€Active Material in Acidic Aqueous Electrolyte towards Polymerâ€“Air Secondary Batteries. ChemSusChem, 2020, 13, 2280-2285.	6.8	25
26	Phenolic antioxidant-incorporated durable perovskite layers and their application for a solar cell. MRS Communications, 2020, 10, 312-316.	1.8	10
27	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.	3.8	2
28	Supercooled Low-Entropy Water Clusters. Journal of Physical Chemistry Letters, 2020, 11, 3667-3671.	4.6	4
29	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.	1.9	1
30	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.	2.7	15
31	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.	4.7	30
32	Fibrous Materials Made of Poly(Îµ-caprolactone)/Poly(ethylene oxide)-b-Poly(Îµ-caprolactone) Blends Support Neural Stem Cells Differentiation. Polymers, 2019, 11, 1621.	4.5	14
33	Antiâ€Oxidizing Radical Polymerâ€Incorporated Perovskite Layers and their Photovoltaic Characteristics in Solar Cells. ChemSusChem, 2019, 12, 5207-5212.	6.8	20
34	Oxygen Scavenging and Oxygen Barrier Poly(1,2â€butadiene) Films Containing an Ironâ€Complex Catalyst. Macromolecular Chemistry and Physics, 2019, 220, 1900294.	2.2	5
35	Nonconjugated Redox-Active Polymer Mediators for Rapid Electrocatalytic Charging of Lithium Metal Oxides. ACS Applied Energy Materials, 2019, 2, 6375-6382.	5.1	27
36	A New Methodology to Create Polymeric Nanocarriers Containing Hydrophilic Low Molecular-Weight Drugs: A Green Strategy Providing a Very High Drug Loading. Molecular Pharmaceutics, 2019, 16, 2892-2901.	4.6	16

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37	Reversible Hydrogen Releasing and Fixing with Poly(Vinylfluorenol) through a Mild Irâ€Catalyzed Dehydrogenation and Electrochemical Hydrogenation. Macromolecular Rapid Communications, 2019, 40, e1900139.	3.9	18
38	n-Type Redox-active Benzoylpyridinium-substituted Supramolecular Gel for an Organogel-based Rechargeable Device. Chemistry Letters, 2019, 48, 555-557.	1.3	5
39	Perovskite/TiO₂ Interface Passivation Using Poly(vinylcarbazole) and Fullerene for the Photovoltaic Conversion Efficiency of 21%. ACS Applied Energy Materials, 2019, 2, 2848-2853.	5.1	27
40	Organic Electronics: Ultrathin and Stretchable Rechargeable Devices with Organic Polymer Nanosheets Conformable to Skin Surface (Small 13/2019). Small, 2019, 15, 1970067.	10.0	1
41	Ultrathin and Stretchable Rechargeable Devices with Organic Polymer Nanosheets Conformable to Skin Surface. Small, 2019, 15, 1805296.	10.0	30
42	Tuning Conformational H-Bonding Arrays in Aromatic/Alicyclic Polythiourea toward High Energy-Storable Dielectric Material. Macromolecules, 2019, 52, 8781-8787.	4.8	27
43	Poly(1,4â€di(2â€thienyl))benzene Facilitating Complete Lightâ€Driven Water Splitting under Visible Light at High pH. Advanced Energy Materials, 2019, 9, 1803286.	19.5	23
44	Synthesis of Lithium-ion Conducting Polymers Designed by Machine Learning-based Prediction and Screening. Chemistry Letters, 2019, 48, 130-132.	1.3	32
45	Long-lived water clusters in hydrophobic solvents investigated by standard NMR techniques. Scientific Reports, 2019, 9, 223.	3.3	26
46	Hydrophilic Organic Redox-Active Polymer Nanoparticles for Higher Energy Density Flow Batteries. ACS Applied Polymer Materials, 2019, 1, 188-196.	4.4	40
47	How to Install TEMPO in Dielectric Polymersâ€”Their Rational Design toward Energyâ€Storable Materials. Macromolecular Rapid Communications, 2019, 40, e1800734.	3.9	17
48	Redox-Active Polymers as an Organic Energy Storage Material. , 2019, , 587-594.		6
49	Light-assisted electrochemical water-splitting at very low bias voltage using metal-free polythiophene as photocathode at high pH in a full-cell setup. Energy and Environmental Science, 2018, 11, 1335-1342.	30.8	56
50	Poly(diphenanthrenequinone-substituted norbornene) for Long Life and Efficient Lithium Battery Cathodes. Bulletin of the Chemical Society of Japan, 2018, 91, 721-727.	3.2	13
51	Arylamine polymers prepared via facile paraldehyde addition condensation: an effective holeâ€transporting material for perovskite solar cells. Polymer International, 2018, 67, 670-674.	3.1	10
52	Diffusion-Cooperative Model for Charge Transport by Redox-Active Nonconjugated Polymers. Journal of the American Chemical Society, 2018, 140, 1049-1056.	13.7	130
53	Polymers for carrying and storing hydrogen. Polymer Journal, 2018, 50, 77-82.	2.7	32
54	Redox Polymers for Energy Devices. International Journal of the Society of Materials Engineering for Resources, 2018, 23, 12-15.	0.1	0

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55	A simple and green methodology to assemble poly(4-vinylpyridine) and a sulfonated azo-dye for obtaining stable polymeric nanoparticles. Polymer, 2018, 158, 289-296.	3.8	5
56	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.	14.9	45
57	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.	21.0	73
58	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.	21.0	1
59	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.	2.8	19
60	Simultaneous visualization of oxygen partial pressure, current density, and water droplets in serpentine fuel cell during power generation for understanding reaction distributions. Journal of Power Sources, 2017, 343, 135-141.	7.8	21
61	Water-Induced Phase Transition in Cyclohexane/n-Hexanol/Triton X-100 Mixtures at a Molar Composition of 1/16/74 Studied by NMR. Journal of Physical Chemistry B, 2017, 121, 876-882.	2.6	11
62	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.	4.8	39
63	Lowâ€Cost, Organic Lightâ€Emitting Electrochemical Cells with Massâ€Producible Nanoimprinted Substrates Made Using Rollâ€toâ€Roll Methods. Advanced Materials Technologies, 2017, 2, 1600293.	5.8	38
64	Ambient-Light-Promoted Three-Component Annulation: Synthesis of Perfluoroalkylated Pyrimidines. Organic Letters, 2017, 19, 2358-2361.	4.6	49
65	Totally Organic-based Bendable Rechargeable Devices Composed of Hydrophilic Redox Polymers and Aqueous Electrolyte. Chemistry Letters, 2017, 46, 693-694.	1.3	12
66	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.	3.2	5
67	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, .	5.8	1
68	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.	6.7	26
69	Redox Mediation through TEMPO-substituted Polymer with Nanogap Electrodes for Electrochemical Amplification. Chemistry Letters, 2017, 46, 647-650.	1.3	11
70	A hydrogen-storing quinaldine polymer: nickel-electrodeposition-assisted hydrogenation and subsequent hydrogen evolution. Polymer International, 2017, 66, 647-652.	3.1	8
71	Quantifying TEMPO Redox Polymer Charge Transport toward the Organic Radical Battery. ACS Applied Materials & Interfaces, 2017, 9, 10692-10698.	8.0	60
72	Aerogels containing 5,10,15,20-tetrakis-(4-sulfonatophenyl)-porphyrin with controlled state of aggregation. Dyes and Pigments, 2017, 139, 193-200.	3.7	14

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73	Aggregation Number in Water/n-Hexanol Molecular Clusters Formed in Cyclohexane at Different Water/n-Hexanol/Cyclohexane Compositions Calculated by Titration 1H NMR. Journal of Physical Chemistry B, 2017, 121, 10285-10291.	2.6	5
74	Command Surface of Self-Organizing Structures by Radical Polymers with Cooperative Redox Reactivity. Journal of the American Chemical Society, 2017, 139, 13600-13603.	13.7	14
75	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.	2.6	13
76	Grafted radical polymer brush for surface-driven switching of chiral nematic liquid crystals. Polymer Journal, 2017, 49, 691-693.	2.7	10
77	N-Phenyl naphthalene diimide pendant polymer as a charge storage material with high rate capability and cyclability. MRS Communications, 2017, 7, 967-973.	1.8	18
78	Ag nanocluster-based color converters for white organic light-emitting devices. Journal of Applied Physics, 2017, 122, .	2.5	15
79	Synthesis of Dimethyl-Substituted Polyviologen and Control of Charge Transport in Electrodes for High-Resolution Electrochromic Displays. Polymers, 2017, 9, 86.	4.5	9
80	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.	2.0	30
81	Metallopolyyne polymers with ferrocenyl pendant ligands as cathode-active materials for organic battery application. Journal of Organometallic Chemistry, 2016, 812, 51-55.	1.8	27
82	â€œClickâ€•Incorporation of Radical/Ionic Sites into a Reactive Block Copolymer: A Facile and Onâ€Demand Domain Functionalization Approach toward Organic Resistive Memory. Macromolecular Rapid Communications, 2016, 37, 53-59.	3.9	10
83	Macromol. Rapid Commun. 1/2016. Macromolecular Rapid Communications, 2016, 37, 116-116.	3.9	0
84	A Quasi-Solid State DSSC with 10.1% Efficiency through Molecular Design of the Charge-Separation and -Transport. Scientific Reports, 2016, 6, 28022.	3.3	73
85	A ketone/alcohol polymer for cycle of electrolytic hydrogen-fixing with water and releasing under mild conditions. Nature Communications, 2016, 7, 13032.	12.8	28
86	Fabrication of White Light-emitting Electrochemical Cells with Stable Emission from Exciplexes. Journal of Visualized Experiments, 2016, , .	0.3	2
87	Effect of Ï€-Conjugated Polyelectrolyte on Performance of White Polymer Light-Emitting Diodes Based on Excitons and Exciplexes Having Long Intermolecular Distances. Journal of Physical Chemistry C, 2016, 120, 13976-13986.	3.1	10
88	A family of substituted hydrazonoisoxazolones with potential biological properties. New Journal of Chemistry, 2016, 40, 2156-2167.	2.8	8
89	Enhanced catalytic activity of oxovanadium complexes in oxidative polymerization of diphenyl disulfide. Polymer Chemistry, 2016, 7, 2087-2091.	3.9	13
90	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.	10.3	19

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91	Correlation between 1H NMR chemical shifts of hydroxyl protons in n-hexanol/cyclohexane and molecular association properties investigated using density functional theory. Chemical Physics Letters, 2016, 644, 276-279.	2.6	9
92	Stability of Water/Poly(ethylene oxide)43-b-poly(Îµ-caprolactone)14/Cyclohexanone Emulsions Involves Water Exchange between the Core and the Bulk. Journal of Physical Chemistry B, 2015, 119, 15929-15937.	2.6	4
93	Kinetic Control of Electron Transfer at Doped Zinc Oxide/Redox-active Molecule Interface for Photocurrent Rectification. Chemistry Letters, 2015, 44, 41-43.	1.3	1
94	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.	1.3	10
95	Vanadyl-TrBR₄ -Catalyzed Oxidative Polymerization of Diphenyl Disulfide. Macromolecular Chemistry and Physics, 2015, 216, 1850-1855.	2.2	6
96	Visualization of Oxygen Partial Pressure and Numerical Simulation of a Running Polymer Electrolyte Fuel Cell with Straight Flow Channels to Elucidate Reaction Distributions. ChemElectroChem, 2015, 2, 1495-1501.	3.4	13
97	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.	0.7	21
98	New 3,4,5-trisubstituted isoxazole derivatives with potential biological properties. New Journal of Chemistry, 2015, 39, 4295-4307.	2.8	8
99	Phenothiazine-functionalized redox polymers for a new cathode-active material. RSC Advances, 2015, 5, 22947-22950.	3.6	42
100	Electrochemical Formation of a Polyviologenâ€“ZnO Composite with an Efficient Charging Capability. Chemistry Letters, 2015, 44, 393-395.	1.3	2
101	Polyviologen as the charge-storage electrode of an aqueous electrolyte- and organic-based dye-sensitized solar cell. Polymer, 2015, 68, 353-357.	3.8	16
102	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.	3.8	25
103	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.	3.6	60
104	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.	4.8	78
105	Oxygen-enriched electrolytes based on perfluorochemicals for high-capacity lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2015, 3, 10845-10850.	10.3	29
106	Photochromic Solid Materials Based on Poly(decylviologen) Complexed with Alginate and Poly(sodium 4-styrenesulfonate). Journal of Physical Chemistry B, 2015, 119, 13208-13217.	2.6	14
107	Ionic Liquid-Triggered Redox Molecule Placement in Block Copolymer Nanotemplates toward an Organic Resistive Memory. ACS Macro Letters, 2015, 4, 892-896.	4.8	15
108	White Polymer Light-Emitting Electrochemical Cells Fabricated Using Energy Donor and Acceptor Fluorescent Ï€-Conjugated Polymers Based on Concepts of Band-Structure Engineering. Journal of Physical Chemistry C, 2015, 119, 28701-28710.	3.1	34

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109	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.	2.7	29
110	Self-association of 5,10,15,20-tetrakis-(4-sulfonatophenyl)-porphyrin tuned by poly(decylviologen) and sulfobutylether-Î²-cyclodextrin. Dyes and Pigments, 2015, 112, 262-273.	3.7	15
111	Real-time visualization of oxygen partial pressures in straight channels of running polymer electrolyte fuel cell with water plugging. Journal of Power Sources, 2015, 273, 873-877.	7.8	12
112	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.	4.8	91
113	Porphyrin Network Polymers Prepared via a Click Reaction and Facilitated Oxygen Permeation Through Their Membranes. Macromolecular Rapid Communications, 2014, 35, 976-980.	3.9	14
114	Anionic Polymerization of 4-Methacryloyloxy-TEMPO Using an MMA-Capped Initiator. ACS Macro Letters, 2014, 3, 240-243.	4.8	57
115	n-Hexanol association in cyclohexane studied by NMR and NIR spectroscopies. Journal of Molecular Liquids, 2014, 199, 301-308.	4.9	11
116	Oxygen partial pressures on gas-diffusion layer surface and gas-flow channel wall in polymer electrolyte fuel cell during power generation studied by visualization technique combined with numerical simulation. Journal of Power Sources, 2014, 269, 556-564.	7.8	21
117	Adsorption of a Carboxylic Acid-Functionalized Aminoxyl Radical onto SiO₂. Langmuir, 2014, 30, 4026-4032.	3.5	4
118	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.	8.0	27
119	Immobilization of Hydrophilic Low Molecular-Weight Molecules in Nanoparticles of Chitosan/Poly(sodium 4-styrenesulfonate) Assisted by Aromaticâ€“Aromatic Interactions. Journal of Physical Chemistry B, 2014, 118, 9782-9791.	2.6	25
120	Synthesis of Pendant Radical- and Ion-Containing Block Copolymers via Ring-Opening Metathesis Polymerization for Organic Resistive Memory. ACS Macro Letters, 2014, 3, 703-707.	4.8	73
121	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.	0.3	1
122	Interaction of Tris(2-aminoethyl)amine-based Ureas and Thiourea with Superoxide Anion and Peroxide Dianion through Multiple Hydrogen Bonding. Chemistry Letters, 2014, 43, 760-762.	1.3	2
123	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.	1.3	3
124	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.	1.3	22
125	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.	10.3	36
126	Confinement of 5,10,15,20-tetrakis-(4-sulfonatophenyl)-porphyrin in novel poly(vinylpyrrolidone)s modified with aromatic amines. Dyes and Pigments, 2013, 99, 759-770.	3.7	23

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127	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.	3.3	19
128	Controlling the aggregation of 5,10,15,20-tetrakis-(4-sulfonatophenyl)-porphyrin by the use of polycations derived from polyketones bearing charged aromatic groups. Dyes and Pigments, 2013, 98, 51-63.	3.7	36
129	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.	3.7	19
130	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.	10.3	42
131	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.	8.0	102
132	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.	10.3	46
133	Preparation of flat porous carbon films from paper-thin wood shavings and control of their mechanical, electrical and magnetic properties. Carbon, 2013, 61, 260-269.	10.3	8
134	Organic Batteries. , 2013, , 235-246.		1
135	Synthesis of Pendant Nitronyl Nitroxide Radical-Containing Poly(norbornene)s as Ambipolar Electrode-Active Materials. Macromolecules, 2013, 46, 1361-1367.	4.8	87
136	TEMPO radical polymer grafted silicas as solid state catalysts for the oxidation of alcohols. RSC Advances, 2013, 3, 9752.	3.6	44
137	Sequential and click-type postfunctionalization of regioregular poly(3-hexylthiophene) for realization of n-doped multiplet state. Chemical Science, 2013, 4, 345-350.	7.4	17
138	One-pot, Radiation-induced Graft Polymerization of Vinylsulfonic Acid onto Poly(ether ether ketone) and High Proton Conductivity of Its Membrane. Chemistry Letters, 2013, 42, 218-219.	1.3	3
139	Air Battery: Design of Organic Anode-Active Polymer Layers. Membrane, 2013, 38, 131-136.	0.0	0
140	Macromolecular Complexes Leading to Highâ€Performance Energy Devices. Macromolecular Symposia, 2012, 317-318, 248-258.	0.7	8
141	Electrolyte anion-assisted charge transportation in poly(oxoammonium cation/nitroxyl radical) redox gels. Journal of Materials Chemistry, 2012, 22, 13669.	6.7	42
142	Nitroxide Radicals as Highly Reactive Redox Mediators in Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2012, 51, 10177-10180.	13.8	93
143	Electrospinning of radical polymers: redox-active fibrous membrane formation. Polymer Journal, 2012, 44, 264-268.	2.7	11
144	Indoline Dye-Coupled Polyviologen: Its Electrochemical Property and Electropolymerization. Japanese Journal of Applied Physics, 2012, 51, 10NE17.	1.5	0

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145	Real-Time Visualization of CO2 Generated by Corrosion of the Carbon Support in a PEFC Cathode. Electrochemical and Solid-State Letters, 2012, 15, B51.	2.2	13
146	Redox-Active Radical Polymers for a Totally Organic Rechargeable Battery. ACS Symposium Series, 2012, , 45-53.	0.5	13
147	TEMPO-substituted polyacrylamide for an aqueous electrolyte-typed and organic-based rechargeable device. Science China Chemistry, 2012, 55, 822-829.	8.2	32
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