Martin D Hager

List of Publications by Year
in descending order

213 papers	12,420 citations	36303 51 h-index	27406 106 g-index
222 all docs	222 docs citations	222 times ranked	12486 citing authors

#	Article	IF	Citations
1	Selfâ€Healing Materials. Advanced Materials, 2010, 22, 5424-5430.	21.0	944
2	Functional soft materials from metallopolymers and metallosupramolecular polymers. Nature Materials, 2011, 10, 176-188.	27.5	922
3	An aqueous, polymer-based redox-flow battery using non-corrosive, safe, and low-cost materials. Nature, 2015, 527, 78-81.	27.8	766
4	Redoxâ€Flow Batteries: From Metals to Organic Redoxâ€Active Materials. Angewandte Chemie - International Edition, 2017, 56, 686-711.	13.8	744
5	Shape memory polymers: Past, present and future developments. Progress in Polymer Science, 2015, 49-50, 3-33.	24.7	739
6	Powering up the Future: Radical Polymers for Battery Applications. Advanced Materials, 2012, 24, 6397-6409.	21.0	540
7	An Aqueous Redoxâ€Flow Battery with High Capacity and Power: The TEMPTMA/MV System. Angewandte Chemie - International Edition, 2016, 55, 14427-14430.	13.8	351
8	Selfâ€Healing Polymer Coatings Based on Crosslinked Metallosupramolecular Copolymers. Advanced Materials, 2013, 25, 1634-1638.	21.0	319
9	Photogenerated avenues in macromolecules containing Re(i), Ru(ii), Os(ii), and Ir(iii) metal complexes of pyridine-based ligands. Chemical Society Reviews, 2012, 41, 2222-2255.	38.1	211
10	Poly(TEMPO)/Zinc Hybridâ€Flow Battery: A Novel, â€œGreen,â€•High Voltage, and Safe Energy Storage System. Advanced Materials, 2016, 28, 2238-2243.	21.0	210
11	Fluorescent monomers as building blocks for dye labeled polymers: synthesis and application in energy conversion, biolabeling and sensors. Chemical Society Reviews, 2013, 42, 5366.	38.1	207
12	Acylhydrazones as Reversible Covalent Crosslinkers for Selfâ€Healing Polymers. Advanced Functional Materials, 2015, 25, 3295-3301.	14.9	203
13	How to Design a Selfâ€Healing Polymer: General Concepts of Dynamic Covalent Bonds and Their Application for Intrinsic Healable Materials. Advanced Materials Interfaces, 2018, 5, 1800051.	3.7	177
14	TEMPO/Phenazine Combi-Molecule: A Redox-Active Material for Symmetric Aqueous Redox-Flow Batteries. ACS Energy Letters, 2016, 1, 976-980.	17.4	161
15	Photoâ€Rechargeable Electric Energy Storage Systems. Advanced Energy Materials, 2016, 6, 1500369.	19.5	157
16	Aqueous 2,2,6,6-Tetramethylpiperidine-<i>N</i>-oxyl Catholytes for a High-Capacity and High Current Density Oxygen-Insensitive Hybrid-Flow Battery. ACS Energy Letters, 2017, 2, 411-416.	17.4	139
17	Oneâ€Component Intrinsic Selfâ€Healing Coatings Based on Reversible Crosslinking by Dielsâ€"Alder Cycloadditions. Macromolecular Chemistry and Physics, 2013, 214, 1636-1649.	2.2	128
18	Self-healing metallopolymers based on cadmium bis(terpyridine) complex containing polymer networks. Polymer Chemistry, 2013, 4, 4966.	3.9	119

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19	A Heteroleptic Bis(tridentate) Ruthenium(II) Complex of a Clickâ€Derived Abnormal Carbene Pincer Ligand with Potential for Photosensitzer Application. Chemistry - A European Journal, 2011, 17, 5494-5498.	3.3	117
20	Synthesis and characterization of TEMPO- and viologen-polymers for water-based redox-flow batteries. Polymer Chemistry, 2015, 6, 7801-7811.	3.9	115
21	Allâ€Organic Battery Composed of Thianthreneâ€and TCAQâ€Based Polymers. Advanced Energy Materials, 2017, 7, 1601415.	19.5	115
22	Metalâ€containing Polymers via Electropolymerization. Advanced Materials, 2012, 24, 332-345.	21.0	112
23	Selfâ€Healing Materials via Reversible Crosslinking of Poly(ethylene oxide)â€<i>Block</i>â€Poly(furfuryl) Tj ETQq1 1 0.784314 rgBT /Ov 4921-4932.	14.9	107
24	2,2â€²:6â€²,2â€³-Terpyridine meets 2,6-bis(1H-1,2,3-triazol-4-yl)pyridine: tuning the electro-optical properties of ruthenium(ii) complexes. Dalton Transactions, 2009, , 787-794.	3.3	106
25	Poly(boron-dipyrromethene)â€"A Redox-Active Polymer Class for Polymer Redox-Flow Batteries. Chemistry of Materials, 2016, 28, 3401-3405.	6.7	105
26	Intrinsic self-healing polymers with a high E-modulus based on dynamic reversible urea bonds. NPG Asia Materials, 2017, 9, e420-e420.	7.9	97
27	Anion Complexation by Triazolium â€œLigandsâ€ Mono- and Bis-tridentate Complexes of Sulfate. Organic Letters, 2010, 12, 2710-2713.	4.6	95
28	2â€(1â€‰<i>H</i>â€1,2,3â€Triazolâ€4â€yl)â€Pyridine Ligands as Alternatives to 2,2â€²â€Bipyridines in Ruthenium(II) Complexes. Chemistry - an Asian Journal, 2009, 4, 154-163.	3.3	89
29	Redoxâ€Flowâ€Batterien: von metallbasierten zu organischen Aktivmaterialien. Angewandte Chemie, 2017, 129, 702-729.	2.0	89
30	Synthesis and Characterization of New Self-Assembled Metallo-Polymers Containing Electron-Withdrawing and Electron-Donating Bis(terpyridine) Zinc(II) Moieties. Macromolecules, 2010, 43, 2759-2771.	4.8	87
31	Conditional repair by locally switching the thermal healing capability of dynamic covalent polymers with light. Nature Communications, 2016, 7, 13623.	12.8	87
32	Polymerâ€Based Batteriesâ€"Flexible and Thin Energy Storage Systems. Advanced Materials, 2020, 32, e2000587.	21.0	87
33	A rheological and spectroscopic study on the kinetics of selfâ€healing in a singleâ€component dielsâ€"alder copolymer and its underlying chemical reaction. Journal of Polymer Science Part A, 2014, 52, 1669-1675.	2.3	86
34	Polymer/zinc hybrid-flow battery using block copolymer micelles featuring a TEMPO corona as catholyte. Polymer Chemistry, 2016, 7, 1711-1718.	3.9	81
35	Selfâ€assembly of Ï€â€conjugated bis(terpyridine) ligands with zinc(II) ions: New metallosupramolecular materials for optoelectronic applications. Journal of Polymer Science Part A, 2009, 47, 4083-4098.	2.3	80
36	Correlation between scratch healing and rheological behavior for terpyridine complex based metallopolymers. Journal of Materials Chemistry A, 2015, 3, 22145-22153.	10.3	79

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37	Polymeric Halogenâ€Bondâ€Based Donor Systems Showing Selfâ€Healing Behavior in Thin Films. Angewandte Chemie - International Edition, 2017, 56, 4047-4051.	13.8	79
38	The Marriage of Terpyridines and Inorganic Nanoparticles: Synthetic Aspects, Characterization Techniques, and Potential Applications. Advanced Materials, 2011, 23, 5728-5748.	21.0	77
39	Polymerization of free secondary amine bearing monomers by RAFT polymerization and other controlled radical techniques. Journal of Polymer Science Part A, 2012, 50, 1394-1407.	2.3	75
40	Reactive Inkjet Printing of Cathodes for Organic Radical Batteries. Advanced Energy Materials, 2013, 3, 1025-1028.	19.5	67
41	Self-healing response in supramolecular polymers based on reversible zincâ€“histidine interactions. Polymer, 2015, 69, 274-282.	3.8	66
42	An Approach Toward Replacing Vanadium: A Single Organic Molecule for the Anode and Cathode of an Aqueous Redoxâ€Flow Battery. ChemistryOpen, 2017, 6, 216-220.	1.9	66
43	An aqueous all-organic redox-flow battery employing a (2,2,6,6-tetramethylpiperidin-1-yl)oxyl-containing polymer as catholyte and dimethyl viologen dichloride as anolyte. Journal of Power Sources, 2018, 378, 546-554.	7.8	65
44	Synthesis of Rigid <i>Ï€</i>â€Conjugated Monoâ€, Bisâ€, Trisâ€, and Tetrakis(terpyridine)s: Influence of the Degree and Pattern of Substitution on the Photophysical Properties. European Journal of Organic Chemistry, 2009, 2009, 801-809.	2.4	64
45	(2,2,6,6-Tetramethylpiperidin-1-yl)oxyl-Containing Zwitterionic Polymer as Catholyte Species for High-Capacity Aqueous Polymer Redox Flow Batteries. Chemistry of Materials, 2019, 31, 7987-7999.	6.7	64
46	Healing through Histidine: Bioinspired Pathways to Self-Healing Polymers via Imidazoleâ€“Metal Coordination. Biomimetics, 2019, 4, 20.	3.3	63
47	N-Heterocyclic Donor- and Acceptor-Type Ligands Based on 2-(1H-[1,2,3]Triazol-4-yl)pyridines and Their Ruthenium(II) Complexes. Journal of Organic Chemistry, 2010, 75, 4025-4038.	3.2	60
48	Monitoring the chemistry of self-healing by vibrational spectroscopy â€“ current state and perspectives. Materials Today, 2014, 17, 57-69.	14.2	57
49	Application of phenolic radicals for antioxidants, as active materials in batteries, magnetic materials and ligands for metal-complexes. Journal of Materials Chemistry A, 2014, 2, 15234.	10.3	55
50	Advanced supramolecular initiator for nitroxide-mediated polymerizations containing both metal-ion coordination and hydrogen-bonding sites. Chemical Communications, 2009, , 3386.	4.1	54
51	Fluorometric sensor based on bisterpyridine metallopolymer: detection of cyanide and phosphates in water. Analyst, The, 2012, 137, 2333.	3.5	53
52	Self-healing mechanism of metallopolymers investigated by QM/MM simulations and Raman spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 12422.	2.8	53
53	Fluorometric, water-based sensors for the detection of nerve gas G mimics DMMP, DCP and DCNP. Chemical Communications, 2012, 48, 964-966.	4.1	50
54	Synthesis and Resonance Energy Transfer Study on a Random Terpolymer Containing a 2-(Pyridine-2-yl)thiazole Donor-Type Ligand and a Luminescent [Ru(bpy)₂(2-(triazol-4-yl)pyridine)]²⁺ Chromophore. Macromolecules, 2011, 44, 6277-6287.	4.8	48

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55	Redox-active polymers: The magic key towards energy storage â€“ a polymer design guideline progress in polymer science. Progress in Polymer Science, 2022, 125, 101474.	24.7	48
56	Wasserbasierte Redoxâ€Flowâ€Batterie mit hoher KapazitÃt und Leistung: das TEMPTMA/MVâ€System. Angewandte Chemie, 2016, 128, 14639-14643.	2.0	46
57	Tunable synthesis of poly(ethylene imine)â€“gold nanoparticle clusters. Chemical Communications, 2014, 50, 88-90.	4.1	45
58	Polymers Based on Stable Phenoxyl Radicals for the Use in Organic Radical Batteries. Macromolecular Rapid Communications, 2014, 35, 882-887.	3.9	45
59	Selfâ€Healing Polymer Networks Based on Reversible Michael Addition Reactions. Macromolecular Chemistry and Physics, 2016, 217, 2541-2550.	2.2	45
60	Trust is good, control is better: a review on monitoring and characterization techniques for flow battery electrolytes. Materials Horizons, 2021, 8, 1866-1925.	12.2	45
61	Formation of dynamic metallo-copolymers by inkjet printing: towards white-emitting materials. Journal of Materials Chemistry C, 2013, 1, 1812.	5.5	43
62	Aqueous Redox Flow Battery Suitable for High Temperature Applications Based on a Tailorâ€Made Ferrocene Copolymer. Advanced Energy Materials, 2020, 10, 2001825.	19.5	43
63	Halogen bonding in polymer science: towards new smart materials. Chemical Science, 2021, 12, 9275-9286.	7.4	42
64	Ï€â€Conjugated Donor and Donorâ€“Acceptor Metalloâ€Polymers. Macromolecular Rapid Communications, 2010, 31, 868-874.	3.9	40
65	Survey of Plasmonic Nanoparticles: From Synthesis to Application. Particle and Particle Systems Characterization, 2014, 31, 721-744.	2.3	40
66	Characterization of Self-Healing Polymers: From Macroscopic Healing Tests to the Molecular Mechanism. Advances in Polymer Science, 2015, , 113-142.	0.8	39
67	Tuning the self-healing behavior of one-component intrinsic polymers. Polymer, 2015, 69, 321-329.	3.8	39
68	Two-dimensional Raman correlation spectroscopy reveals molecular structural changes during temperature-induced self-healing in polymers based on the Dielsâ€“Alder reaction. Physical Chemistry Chemical Physics, 2015, 17, 22587-22595.	2.8	38
69	Advancing the Solid State Properties of Metalloâ€Supramolecular Materials: Poly(<i>Îµ</i>â€caprolactone) Modified <i>Ï€</i>â€Conjugated Bis(terpyridine)s and their Zn(II) Based Metalloâ€Polymers. Macromolecular Rapid Communications, 2008, 29, 1679-1686.	3.9	37
70	Photoinduced polyaddition of multifunctional azides and alkynes. Polymer Chemistry, 2013, 4, 3938.	3.9	37
71	The Selfâ€Healing Potential of Triazoleâ€Pyridineâ€Based Metallopolymers. Macromolecular Rapid Communications, 2015, 36, 604-609.	3.9	37
72	A Metal Salt Dependent Self-Healing Response in Supramolecular Block Copolymers. Macromolecules, 2016, 49, 8418-8429.	4.8	37

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73	Histidineâ€“Zinc Interactions Investigated by Isothermal Titration Calorimetry (ITC) and their Application in Selfâ€Healing Polymers. Macromolecular Chemistry and Physics, 2017, 218, 1600458.	2.2	37
74	Orthogonal self-assembly of stimuli-responsive supramolecular polymers using one-step prepared heterotelechelic building blocks. Polymer Chemistry, 2013, 4, 113-123.	3.9	35
75	DNA Origami Meets Polymers: A Powerful Tool for the Design of Defined Nanostructures. Angewandte Chemie - International Edition, 2021, 60, 6218-6229.	13.8	35
76	Ï€â€Conjugated 2,2â€²:6â€²,2â€³â€Bis(terpyridines): Systematical Tuning of the Optical Properties by Variation of the Linkage between the Terpyridines and the Ï€â€Conjugated System. European Journal of Organic Chemistry, 2010, 2010, 1859-1868.	2.4	34
77	Metalâ€Free 1,5â€Regioselective Azideâ€“Alkyne [3+2]â€Cycloaddition. Chemistry - an Asian Journal, 2011, 6, 2816-2824.	3.3	34
78	Metallopolymers as an Emerging Class of Self-Healing Materials. Advances in Polymer Science, 2013, , 239-257.	0.8	33
79	Contributions of hard and soft blocks in the self-healing of metal-ligand-containing block copolymers. European Polymer Journal, 2017, 93, 417-427.	5.4	33
80	Self-Healing Polymers Based on Reversible Covalent Bonds. Advances in Polymer Science, 2015, , 1-58.	0.8	32
81	Intrinsic Self-Healing Polymers Based on Supramolecular Interactions: State of the Art and Future Directions. Advances in Polymer Science, 2015, , 59-112.	0.8	32
82	Shapeâ€Memory Metallopolymers Based on Two Orthogonal Metalâ€“Ligand Interactions. Advanced Materials, 2021, 33, e2006655.	21.0	31
83	Synthesis and Chargeâ€“Discharge Studies of Poly(ethynylphenyl)galvinoxyles and Their Use in Organic Radical Batteries with Aqueous Electrolytes. Macromolecular Chemistry and Physics, 2013, 214, 2616-2623.	2.2	30
84	Ruthenium(II) Metalloâ€Supramolecular Polymers of Clickâ€Derived Tridentate Ditopic Ligands. Macromolecular Rapid Communications, 2012, 33, 597-602.	3.9	29
85	Versatile Applications of Metallopolymers. Progress in Polymer Science, 2021, 119, 101428.	24.7	29
86	Tandem mass spectrometry of poly(ethylene imine)s by electrospray ionization (ESI) and matrixâ€assisted laser desorption/ionization (MALDI). Journal of Mass Spectrometry, 2012, 47, 105-114.	1.6	27
87	Metalâ€Free Cycloaddition of Internal Alkynes and Multifunctional Azides Under Solventâ€Free Conditions. Macromolecular Chemistry and Physics, 2014, 215, 1603-1608.	2.2	27
88	Self-healing Functional Polymers: Optical Property Recovery of Conjugated Polymer Films by Uncatalyzed Imine Metathesis. Macromolecules, 2017, 50, 3789-3795.	4.8	26
89	Efficient Cu(I) acetateâ€catalyzed cycloaddition of multifunctional alkynes and azides: From solution to bulk polymerization. Journal of Polymer Science Part A, 2014, 52, 239-247.	2.3	24
90	A healing ionomer crosslinked by a bis-bidentate halogen bond linker: a route to hard and healable coatings. Polymer Chemistry, 2018, 9, 2193-2197.	3.9	24

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91	Systematic MALDIâ€TOF CID Investigation on Different Substituted mPEG 2000. Macromolecular Chemistry and Physics, 2010, 211, 677-684.	2.2	23
92	Dual hydrophilic polymers based on (meth)acrylic acid and poly(ethylene glycol) â€“ synthesis and water uptake behavior. Polymer Chemistry, 2010, 1, 1669.	3.9	23
93	Perfluorophenylâ€Terpyridine Ruthenium Complex as Monomer for Fast, Efficient, and Mild Metallopolymerizations. Macromolecular Rapid Communications, 2012, 33, 517-521.	3.9	23
94	Synthesis of a glycopolymeric PtII carrier and its induction of apoptosis in resistant cancer cells. Chemical Communications, 2012, 48, 6357.	4.1	23
95	Synthesis and Characterization of a Phthalimideâ€Containing Redoxâ€Active Polymer for Highâ€Voltage Polymerâ€Based Redoxâ€Flow Batteries. Macromolecular Chemistry and Physics, 2018, 219, 1700267.	2.2	23
96	Quantification of the scratch-healing efficiency for novel zwitterionic polymers. NPG Asia Materials, 2020, 12, .	7.9	23
97	Light-harvesting of polymerizable 4-hydroxy-1,3-thiazole monomers by energy transfer toward photoactive Os(<scp>ii</scp>) metal complexes in linear polymers. Polymer Chemistry, 2014, 5, 2715-2724.	3.9	22
98	Investigation of Ice-Templated Porous Electrodes for Application in Organic Batteries. ACS Applied Materials & Interfaces, 2016, 8, 23614-23623.	8.0	22
99	All-Organic Redox Targeting with a Single Redox Moiety: Combining Organic Radical Batteries and Organic Redox Flow Batteries. ACS Applied Materials & Interfaces, 2022, 14, 6638-6648.	8.0	22
100	Increased stability in selfâ€healing polymer networks based on reversible Michael addition reactions. Journal of Applied Polymer Science, 2017, 134, .	2.6	21
101	Conjugated Oligomers as Fluorescence Marker for the Determination of the Self-Healing Efficiency in Mussel-Inspired Polymers. Chemistry of Materials, 2018, 30, 2791-2799.	6.7	21
102	Assorted Phenoxyl-Radical Polymers and Their Application in Lithium-Organic Batteries. Macromolecular Rapid Communications, 2016, 37, 725-730.	3.9	20
103	Click chemistry meets polymerization: Controlled incorporation of an easily accessible ruthenium(II) complex into a PMMA backbone via RAFT copolymerization. European Polymer Journal, 2009, 45, 3433-3441.	5.4	19
104	Self-Healing Functional Polymeric Materials. Advances in Polymer Science, 2015, , 247-283.	0.8	19
105	Fluorescence upconversion by tripletâ€“triplet annihilation in all-organic poly(methacrylate)-terpolymers. Physical Chemistry Chemical Physics, 2020, 22, 4072-4079.	2.8	19
106	Selfâ€Assembly of 3,6â€Bis(4â€triazolyl)pyridazine Ligands with Copper(I) and Silver(I) Ions: Timeâ€Dependant 2Dâ€NOESY and Ultracentrifuge Measurements. Chemistry - an Asian Journal, 2011, 6, 873-880.	3.3	18
107	Synthesis and Characterization of Poly(methyl methacrylate) Backbone Polymers Containing Sideâ€Chain Pendant Ruthenium(II) Bisâ€Terpyridine Complexes With an Elongated Conjugated System. Macromolecular Chemistry and Physics, 2012, 213, 808-819.	2.2	18
108	Blocked isocyanates: an efficient tool for post-polymerization modification of polymers. Polymer Chemistry, 2014, 5, 2574.	3.9	18

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109	Synthesis, Separation, and Hypermethod Characterization of Gold Nanoparticle Dimers Connected by a Rigid Rod Linker. Journal of Physical Chemistry C, 2015, 119, 17809-17817.	3.1	18
110	Do You Get What You See? Understanding Molecular Selfâ€Healing. Chemistry - A European Journal, 2018, 24, 2493-2502.	3.3	18
111	An Amperometric, Temperature-Independent, and Calibration-Free Method for the Real-Time State-of-Charge Monitoring of Redox Flow Battery Electrolytes. Chemistry of Materials, 2019, 31, 5363-5369.	6.7	18
112	The Radiative Decay Rates Tune the Emissive Properties of Ruthenium(II) Polypyridyl Complexes: A Computational Study. Chemistry - an Asian Journal, 2012, 7, 667-671.	3.3	17
113	Towards Hydrogen Evolution Initiated by LED Light: 2â€(1<i>H</i>â€1,2,3â€Triazolâ€4â€yl)pyridineâ€Containing Polymers as Photocatalyst. Macromolecular Rapid Communications, 2015, 36, 671-677.	3.9	17
114	Novel, Stable Catholyte for Aqueous Organic Redox Flow Batteries: Symmetric Cell Study of Hydroquinones with High Accessible Capacity. Molecules, 2021, 26, 3823.	3.8	17
115	TPAâ€PPEs â€" New alternating donor copolymers for potential application in photovoltaic devices. Journal of Applied Polymer Science, 2009, 111, 1850-1861.	2.6	16
116	Unexpected metal-mediated oxidation of hydroxymethyl groups to coordinated carboxylate groups by bis-cyclometalated iridium(iii) centers. New Journal of Chemistry, 2010, 34, 2622.	2.8	16
117	Blue emitting side-chain pendant 4-hydroxy-1,3-thiazoles in polystyrenes synthesized by RAFT polymerization. European Polymer Journal, 2012, 48, 1339-1347.	5.4	16
118	A Homotelechelic bisâ€terpyridine macroligand: Oneâ€step synthesis and its metalloâ€supramolecular selfâ€assembly. Journal of Polymer Science Part A, 2013, 51, 2006-2015.	2.3	16
119	Polymers with n-type nitroxide side groups: Synthesis and electrochemical characterization. European Polymer Journal, 2014, 61, 105-112.	5.4	16
120	Modification of the Active Layer/PEDOT:PSS Interface by Solvent Additives Resulting in Improvement of the Performance of Organic Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 11068-11081.	8.0	16
121	Synthesis and electrochemical properties of novel redoxâ€active polymers with anthraquinone moieties by Pdâ€catalyzed cyclopolymerization of dienes. Journal of Polymer Science Part A, 2016, 54, 2184-2190.	2.3	16
122	A New Approach Toward Metalâ€Free Selfâ€Healing Ionomers Based on Phosphate and Methacrylate Containing Copolymers. Macromolecular Chemistry and Physics, 2017, 218, 1700340.	2.2	16
123	Stability of TMA-TEMPO-based aqueous electrolytes for redox-flow batteries. Journal of Power Sources, 2022, 525, 230996.	7.8	16
124	Bisâ€hydrophilic and functional triblock terpolymers based on polyethers: Synthesis and selfâ€assembly in solution. Journal of Polymer Science Part A, 2012, 50, 2914-2923.	2.3	15
125	Synthesis and characterization of polymethacrylates containing conjugated oligo(phenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.3	15
126	Poly[<i>N</i>â€(10â€oxoâ€2â€vinylanthracenâ€9(10<i>H</i>)â€ylidene)cyanamide] as a novel cathode material for liâ€organic batteries. Journal of Polymer Science Part A, 2015, 53, 2517-2523.	2.3	15

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127	Oxime crosslinked polymer networks: Is every reversible covalent bond suitable to create selfâ€healing polymers?. Journal of Applied Polymer Science, 2016, 133, .	2.6	15
128	Remendable polymers via reversible Dielsâ€“Alder cycloaddition of anthraceneâ€containing copolymers with fullerenes. Journal of Applied Polymer Science, 2018, 135, 45916.	2.6	15
129	Molecular self-healing mechanisms between C₆₀-fullerene and anthracene unveiled by Raman and two-dimensional correlation spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 17973-17982.	2.8	14
130	Polymerbasierte HalogenbrÃ¼ckendonoren mit selbstheilenden Eigenschaften in Filmen. Angewandte Chemie, 2017, 129, 4105-4110.	2.0	14
131	Synthesis, characterization, and micellization studies of coilâ€rodâ€coil and ABA ruthenium(II) terpyridine assemblies with Ï€â€conjugated electron acceptor systems. Journal of Polymer Science Part A, 2011, 49, 1396-1408.	2.3	13
132	Starâ€Shaped Block Copolymers by Copperâ€Catalyzed Azideâ€Alkyne Cycloaddition for Potential Drug Delivery Applications. Macromolecular Chemistry and Physics, 2012, 213, 2146-2156.	2.2	13
133	Zn^{II}<i>Bis</i>terpyridine Metallopolymers: Improved Processability by the Introduction of Polymeric Side Chains. Macromolecular Chemistry and Physics, 2013, 214, 1072-1080.	2.2	13
134	Synthesis and characterization of new redox-active polymers based on 10-(1,3-dithiol-2-ylidene)anthracen-9(10H)-one derivatives. Polymer, 2015, 68, 321-327.	3.8	12
135	Study of Anion Exchange Membrane Properties Incorporating N-spirocyclic Quaternary Ammonium Cations and Aqueous Organic Redox Flow Battery Performance. Membranes, 2021, 11, 367.	3.0	12
136	Hydrodynamic and Molecular Study of Poly{4â€[4â€(hexyloxy)phenyl]ethynylphenyl methacrylate} in Dilute Solutions and Conformational Peculiarities of Brushâ€Like Macromolecules. Macromolecular Chemistry and Physics, 2012, 213, 904-916.	2.2	11
137	Induced Charge Effect by Co(II) Complexation on the Conformation of a Copolymer Containing a Bidentate 2â€(1,2,3â€Triazolâ€4â€yl)pyridine Chelating Unit. Macromolecular Chemistry and Physics, 2012, 213, 1339-1348.	2.2	11
138	Incorporation of Polymerizable Osmium(II) Bis-terpyridine Complexes into PMMA Backbones. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 74-80.	3.7	11
139	Triggered and self-healing systems using nanostructured materials. Nanotechnology Reviews, 2013, 2, 699-723.	5.8	11
140	Poly(methacrylates) with Pendant Benzoquinone Units â€“ Monomer Synthesis, Polymerization, and Electrochemical Behavior: Potential New Polymer Systems for Organic Batteries. Macromolecular Chemistry and Physics, 2014, 215, 1250-1256.	2.2	11
141	Poly(2â€vinyl pyridine)â€<i>blockâ€</i>Poly(ethylene oxide) Featuring a Furan Group at the Block Junctionâ€"Synthesis and Functionalization. Macromolecular Rapid Communications, 2014, 35, 916-921.	3.9	11
142	A translation of the structure of mussel byssal threads into synthetic materials by the utilization of histidine-rich block copolymers. Polymer Chemistry, 2018, 9, 3543-3551.	3.9	11
143	Platinumâ€terpyridine complexes in polymers: A novel approach for the synthesis of selfâ€healing metallopolymers. Journal of Applied Polymer Science, 2019, 136, 47064.	2.6	11
144	Complexation of Terpyridineâ€Containing Dextrans: Toward Waterâ€Soluble Supramolecular Structures. Macromolecular Rapid Communications, 2010, 31, 921-927.	3.9	10

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145	Amphiphilic supramolecular A(B)2A quasi-triblock copolymers. Polymer Chemistry, 2013, 4, 3177.	3.9	10
146	Incorporation of coreâ€“shell particles into methacrylate based composites for improvement of the mechanical properties. Polymer Chemistry, 2015, 6, 5273-5280.	3.9	10
147	Uphill and downhill charge generation from charge transfer to charge separated states in organic solar cells. Journal of Materials Chemistry C, 2021, 9, 14463-14489.	5.5	10
148	Fluorescence Study of Energy Transfer in PMMA Polymers with Pendant Oligoâ€Phenyleneâ€Ethynylenes. ChemPhysChem, 2013, 14, 170-178.	2.1	9
149	Palladiumâ€SCS Pincer Complexes as Crossâ€Linking Moieties in Selfâ€Healing Metallopolymers. Macromolecular Rapid Communications, 2018, 39, e1800495.	3.9	9
150	A novel approach for the quantification of scratch healing of polymers. Polymer Testing, 2020, 90, 106699.	4.8	9
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