

# Martin D Hager

## List of Publications by Year in descending order

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213  
papers

12,420  
citations

36203

51  
h-index

27345

106  
g-index

222  
all docs

222  
docs citations

222  
times ranked

12486  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Self-Healing Materials. <i>Advanced Materials</i> , 2010, 22, 5424-5430.  | 11.1 | 944       |
| 2  | Functional soft materials from metallopolymers and metallosupramolecular polymers. <i>Nature Materials</i> , 2011, 10, 176-188.   | 13.3 | 922       |
| 3  | An aqueous, polymer-based redox-flow battery using non-corrosive, safe, and low-cost materials. <i>Nature</i> , 2015, 527, 78-81.   | 13.7 | 766       |
| 4  | Redox-Flow Batteries: From Metals to Organic Redox-Active Materials. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 686-711.  | 7.2  | 744       |
| 5  | Shape memory polymers: Past, present and future developments. <i>Progress in Polymer Science</i> , 2015, 49-50, 3-33.   | 11.8 | 739       |
| 6  | Powering up the Future: Radical Polymers for Battery Applications. <i>Advanced Materials</i> , 2012, 24, 6397-6409.   | 11.1 | 540       |
| 7  | An Aqueous Redox-Flow Battery with High Capacity and Power: The TEMPTMA/MV System. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14427-14430.                                      | 7.2  | 351       |
| 8  | Self-Healing Polymer Coatings Based on Crosslinked Metallosupramolecular Copolymers. <i>Advanced Materials</i> , 2013, 25, 1634-1638.   | 11.1 | 319       |
| 9  | Photogenerated avenues in macromolecules containing Re(i), Ru(ii), Os(ii), and Ir(iii) metal complexes of pyridine-based ligands. <i>Chemical Society Reviews</i> , 2012, 41, 2222-2255.          | 18.7 | 211       |
| 10 | Poly(TEMPO)/Zinc Hybrid-Flow Battery: A Novel, "Green," High Voltage, and Safe Energy Storage System. <i>Advanced Materials</i> , 2016, 28, 2238-2243.  | 11.1 | 210       |
| 11 | Fluorescent monomers as building blocks for dye labeled polymers: synthesis and application in energy conversion, biolabeling and sensors. <i>Chemical Society Reviews</i> , 2013, 42, 5366.      | 18.7 | 207       |
| 12 | Acyldrazones as Reversible Covalent Crosslinkers for Self-Healing Polymers. <i>Advanced Functional Materials</i> , 2015, 25, 3295-3301.   | 7.8  | 203       |
| 13 | How to Design a Self-Healing Polymer: General Concepts of Dynamic Covalent Bonds and Their Application for Intrinsic Healable Materials. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800051. | 1.9  | 177       |
| 14 | TEMPO/Phenazine Combi-Molecule: A Redox-Active Material for Symmetric Aqueous Redox-Flow Batteries. <i>ACS Energy Letters</i> , 2016, 1, 976-980.   | 8.8  | 161       |
| 15 | Photo-Rechargeable Electric Energy Storage Systems. <i>Advanced Energy Materials</i> , 2016, 6, 1500369.  | 10.2 | 157       |
| 16 | Aqueous 2,2,6,6-Tetramethylpiperidine-N-oxyl Catholytes for a High-Capacity and High Current Density Oxygen-Insensitive Hybrid-Flow Battery. <i>ACS Energy Letters</i> , 2017, 2, 411-416.        | 8.8  | 139       |
| 17 | One-Component Intrinsic Self-Healing Coatings Based on Reversible Crosslinking by Diels-Alder Cycloadditions. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1636-1649.                 | 1.1  | 128       |
| 18 | Self-healing metallopolymers based on cadmium bis(terpyridine) complex containing polymer networks. <i>Polymer Chemistry</i> , 2013, 4, 4966.   | 1.9  | 119       |

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|----|---|------|-----------|
| 19 | A Heteroleptic Bis(tridentate) Ruthenium(II) Complex of a Click-Derived Abnormal Carbene Pincer Ligand with Potential for Photosensitizer Application. <i>Chemistry - A European Journal</i> , 2011, 17, 5494-5498.     | 1.7  | 117       |
| 20 | Synthesis and characterization of TEMPO- and viologen-polymers for water-based redox-flow batteries. <i>Polymer Chemistry</i> , 2015, 6, 7801-7811.   | 1.9  | 115       |
| 21 | All-Organic Battery Composed of Thianthrene- and TCAQ-Based Polymers. <i>Advanced Energy Materials</i> , 2017, 7, 1601415.  | 10.2 | 115       |
| 22 | Metal-Containing Polymers via Electropolymerization. <i>Advanced Materials</i> , 2012, 24, 332-345.   | 11.1 | 112       |
| 23 | Self-Healing Materials via Reversible Crosslinking of Poly(ethylene oxide)-Block-Poly(furfuryl) Tj ETQq1 1 0.784314 rgBT /OV 4921-4932.   | 7.8  | 107       |
| 24 | 2,2':6''-2,2'-Terpyridine meets 2,6-bis(1H-1,2,3-triazol-4-yl)pyridine: tuning the electro-optical properties of ruthenium(II) complexes. <i>Dalton Transactions</i> , 2009, , 787-794.                                 | 1.6  | 106       |
| 25 | Poly(boron-dipyrromethene)-A Redox-Active Polymer Class for Polymer Redox-Flow Batteries. <i>Chemistry of Materials</i> , 2016, 28, 3401-3405.  | 3.2  | 105       |
| 26 | Intrinsic self-healing polymers with a high E-modulus based on dynamic reversible urea bonds. <i>NPG Asia Materials</i> , 2017, 9, e420-e420.   | 3.8  | 97        |
| 27 | Anion Complexation by Triazolium -Ligands- Mono- and Bis-tridentate Complexes of Sulfate. <i>Organic Letters</i> , 2010, 12, 2710-2713.   | 2.4  | 95        |
| 28 | 2-(1H-1,2,3-Triazol-4-yl)pyridine Ligands as Alternatives to 2,2'-Bipyridines in Ruthenium(II) Complexes. <i>Chemistry - an Asian Journal</i> , 2009, 4, 154-163.   | 1.7  | 89        |
| 29 | Redox-Flow-Batterien: von metallbasierten zu organischen Aktivmaterialien. <i>Angewandte Chemie</i> , 2017, 129, 702-729.   | 1.6  | 89        |
| 30 | Synthesis and Characterization of New Self-Assembled Metallo-Polymers Containing Electron-Withdrawing and Electron-Donating Bis(terpyridine) Zinc(II) Moieties. <i>Macromolecules</i> , 2010, 43, 2759-2771.            | 2.2  | 87        |
| 31 | Conditional repair by locally switching the thermal healing capability of dynamic covalent polymers with light. <i>Nature Communications</i> , 2016, 7, 13623.  | 5.8  | 87        |
| 32 | Polymer-Based Batteries-Flexible and Thin Energy Storage Systems. <i>Advanced Materials</i> , 2020, 32, e2000587.   | 11.1 | 87        |
| 33 | A rheological and spectroscopic study on the kinetics of self-healing in a single-component diels-alder copolymer and its underlying chemical reaction. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1669-1675. | 2.5  | 86        |
| 34 | Polymer/zinc hybrid-flow battery using block copolymer micelles featuring a TEMPO corona as catholyte. <i>Polymer Chemistry</i> , 2016, 7, 1711-1718.   | 1.9  | 81        |
| 35 | Self-Assembly of -conjugated bis(terpyridine) ligands with zinc(II) ions: New metallosupramolecular materials for optoelectronic applications. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4083-4098.          | 2.5  | 80        |
| 36 | Correlation between scratch healing and rheological behavior for terpyridine complex based metallopolymers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22145-22153.   | 5.2  | 79        |

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|----|---|------|-----------|
| 37 | Polymeric Halogen-Bond-Based Donor Systems Showing Self-Healing Behavior in Thin Films. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4047-4051.   | 7.2  | 79        |
| 38 | The Marriage of Terpyridines and Inorganic Nanoparticles: Synthetic Aspects, Characterization Techniques, and Potential Applications. <i>Advanced Materials</i> , 2011, 23, 5728-5748.  | 11.1 | 77        |
| 39 | Polymerization of free secondary amine bearing monomers by RAFT polymerization and other controlled radical techniques. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1394-1407.   | 2.5  | 75        |
| 40 | Reactive Inkjet Printing of Cathodes for Organic Radical Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 1025-1028.  | 10.2 | 67        |
| 41 | Self-healing response in supramolecular polymers based on reversible zinc-histidine interactions. <i>Polymer</i> , 2015, 69, 274-282.   | 1.8  | 66        |
| 42 | An Approach Toward Replacing Vanadium: A Single Organic Molecule for the Anode and Cathode of an Aqueous Redox-Flow Battery. <i>ChemistryOpen</i> , 2017, 6, 216-220.   | 0.9  | 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. <i>Journal of Power Sources</i> , 2018, 378, 546-554.  | 4.0  | 65        |
| 44 | Synthesis of Rigid $\pi$ -Conjugated Mono-, Bis-, Tris-, and Tetrakis(terpyridine)s: Influence of the Degree and Pattern of Substitution on the Photophysical Properties. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 801-809.                             | 1.2  | 64        |
| 45 | (2,2,6,6-Tetramethylpiperidin-1-yl)oxyl-Containing Zwitterionic Polymer as Catholyte Species for High-Capacity Aqueous Polymer Redox Flow Batteries. <i>Chemistry of Materials</i> , 2019, 31, 7987-7999.   | 3.2  | 64        |
| 46 | Healing through Histidine: Bioinspired Pathways to Self-Healing Polymers via Imidazole-Metal Coordination. <i>Biomimetics</i> , 2019, 4, 20.  | 1.5  | 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. <i>Journal of Organic Chemistry</i> , 2010, 75, 4025-4038.  | 1.7  | 60        |
| 48 | Monitoring the chemistry of self-healing by vibrational spectroscopy – current state and perspectives. <i>Materials Today</i> , 2014, 17, 57-69.  | 8.3  | 57        |
| 49 | Application of phenolic radicals for antioxidants, as active materials in batteries, magnetic materials and ligands for metal-complexes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15234.  | 5.2  | 55        |
| 50 | Advanced supramolecular initiator for nitroxide-mediated polymerizations containing both metal-ion coordination and hydrogen-bonding sites. <i>Chemical Communications</i> , 2009, , 3386.  | 2.2  | 54        |
| 51 | Fluorometric sensor based on bisterpyridine metallopolymer: detection of cyanide and phosphates in water. <i>Analyst</i> , 2012, 137, 2333.   | 1.7  | 53        |
| 52 | Self-healing mechanism of metallopolymer investigated by QM/MM simulations and Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12422.  | 1.3  | 53        |
| 53 | Fluorometric, water-based sensors for the detection of nerve gas G mimics DMMP, DCP and DCNP. <i>Chemical Communications</i> , 2012, 48, 964-966.   | 2.2  | 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) <sub>2</sub> (2-(triazol-4-yl)pyridine)] <sup>2+</sup> Chromophore. <i>Macromolecules</i> , 2011, 44, 6277-6287. | 2.2  | 48        |

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|----|---|------|-----------|
| 55 | Redox-active polymers: The magic key towards energy storage – a polymer design guideline progress in polymer science. <i>Progress in Polymer Science</i> , 2022, 125, 101474.   | 11.8 | 48        |
| 56 | Wasserbasierte Redox-Flow-Batterie mit hoher Kapazität und Leistung: das TEMPTMA/MV-System. <i>Angewandte Chemie</i> , 2016, 128, 14639-14643.  | 1.6  | 46        |
| 57 | Tunable synthesis of poly(ethylene imine)-gold nanoparticle clusters. <i>Chemical Communications</i> , 2014, 50, 88-90.   | 2.2  | 45        |
| 58 | Polymers Based on Stable Phenoxyl Radicals for the Use in Organic Radical Batteries. <i>Macromolecular Rapid Communications</i> , 2014, 35, 882-887.  | 2.0  | 45        |
| 59 | Self-Healing Polymer Networks Based on Reversible Michael Addition Reactions. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2541-2550.   | 1.1  | 45        |
| 60 | Trust is good, control is better: a review on monitoring and characterization techniques for flow battery electrolytes. <i>Materials Horizons</i> , 2021, 8, 1866-1925.   | 6.4  | 45        |
| 61 | Formation of dynamic metallo-copolymers by inkjet printing: towards white-emitting materials. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1812.  | 2.7  | 43        |
| 62 | Aqueous Redox Flow Battery Suitable for High Temperature Applications Based on a Tailor-Made Ferrocene Copolymer. <i>Advanced Energy Materials</i> , 2020, 10, 2001825.   | 10.2 | 43        |
| 63 | Halogen bonding in polymer science: towards new smart materials. <i>Chemical Science</i> , 2021, 12, 9275-9286.   | 3.7  | 42        |
| 64 | π-Conjugated Donor and Donor-Acceptor Metallo-Polymers. <i>Macromolecular Rapid Communications</i> , 2010, 31, 868-874.   | 2.0  | 40        |
| 65 | Survey of Plasmonic Nanoparticles: From Synthesis to Application. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 721-744.  | 1.2  | 40        |
| 66 | Characterization of Self-Healing Polymers: From Macroscopic Healing Tests to the Molecular Mechanism. <i>Advances in Polymer Science</i> , 2015, , 113-142.   | 0.4  | 39        |
| 67 | Tuning the self-healing behavior of one-component intrinsic polymers. <i>Polymer</i> , 2015, 69, 321-329.   | 1.8  | 39        |
| 68 | Two-dimensional Raman correlation spectroscopy reveals molecular structural changes during temperature-induced self-healing in polymers based on the Diels-Alder reaction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22587-22595.    | 1.3  | 38        |
| 69 | Advancing the Solid State Properties of Metallo-Supramolecular Materials: Poly(ε-caprolactone) Modified π-Conjugated Bis(terpyridine)s and their Zn(II) Based Metallo-Polymers. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1679-1686. | 2.0  | 37        |
| 70 | Photoinduced polyaddition of multifunctional azides and alkynes. <i>Polymer Chemistry</i> , 2013, 4, 3938.  | 1.9  | 37        |
| 71 | The Self-Healing Potential of Triazole-Pyridine-Based Metallopolymers. <i>Macromolecular Rapid Communications</i> , 2015, 36, 604-609.  | 2.0  | 37        |
| 72 | A Metal Salt Dependent Self-Healing Response in Supramolecular Block Copolymers. <i>Macromolecules</i> , 2016, 49, 8418-8429.   | 2.2  | 37        |

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|----|---|------|-----------|
| 73 | Histidineâ€“Zinc Interactions Investigated by Isothermal Titration Calorimetry (ITC) and their Application in Selfâ€“Healing Polymers. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600458.  | 1.1  | 37        |
| 74 | Orthogonal self-assembly of stimuli-responsive supramolecular polymers using one-step prepared heterotelechelic building blocks. <i>Polymer Chemistry</i> , 2013, 4, 113-123.   | 1.9  | 35        |
| 75 | DNA Origami Meets Polymers: A Powerful Tool for the Design of Defined Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6218-6229.   | 7.2  | 35        |
| 76 | â€“Conjugated 2,2â€“:6â€“,2â€“Bis(terpyridines): Systematical Tuning of the Optical Properties by Variation of the Linkage between the Terpyridines and the â€“Conjugated System. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1859-1868. | 1.2  | 34        |
| 77 | Metalâ€“Free 1,5â€“Regioselective Azideâ€“Alkyne [3+2]â€“Cycloaddition. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2816-2824.   | 1.7  | 34        |
| 78 | Metallopolymers as an Emerging Class of Self-Healing Materials. <i>Advances in Polymer Science</i> , 2013, , 239-257.   | 0.4  | 33        |
| 79 | Contributions of hard and soft blocks in the self-healing of metal-ligand-containing block copolymers. <i>European Polymer Journal</i> , 2017, 93, 417-427.   | 2.6  | 33        |
| 80 | Self-Healing Polymers Based on Reversible Covalent Bonds. <i>Advances in Polymer Science</i> , 2015, , 1-58.  | 0.4  | 32        |
| 81 | Intrinsic Self-Healing Polymers Based on Supramolecular Interactions: State of the Art and Future Directions. <i>Advances in Polymer Science</i> , 2015, , 59-112.  | 0.4  | 32        |
| 82 | Shapeâ€“Memory Metallopolymers Based on Two Orthogonal Metalâ€“Ligand Interactions. <i>Advanced Materials</i> , 2021, 33, e2006655.   | 11.1 | 31        |
| 83 | Synthesis and Chargeâ€“Discharge Studies of Poly(ethynylphenyl)galvinoxyles and Their Use in Organic Radical Batteries with Aqueous Electrolytes. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2616-2623.                                   | 1.1  | 30        |
| 84 | Ruthenium(II) Metalloâ€“Supramolecular Polymers of Clickâ€“Derived Tridentate Ditopic Ligands. <i>Macromolecular Rapid Communications</i> , 2012, 33, 597-602.  | 2.0  | 29        |
| 85 | Versatile Applications of Metallopolymers. <i>Progress in Polymer Science</i> , 2021, 119, 101428.  | 11.8 | 29        |
| 86 | Tandem mass spectrometry of poly(ethylene imine)s by electrospray ionization (ESI) and matrixâ€“assisted laser desorption/ionization (MALDI). <i>Journal of Mass Spectrometry</i> , 2012, 47, 105-114.  | 0.7  | 27        |
| 87 | Metalâ€“Free Cycloaddition of Internal Alkynes and Multifunctional Azides Under Solventâ€“Free Conditions. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1603-1608.  | 1.1  | 27        |
| 88 | Self-healing Functional Polymers: Optical Property Recovery of Conjugated Polymer Films by Uncatalyzed Imine Metathesis. <i>Macromolecules</i> , 2017, 50, 3789-3795.   | 2.2  | 26        |
| 89 | Efficient Cu(I) acetateâ€“catalyzed cycloaddition of multifunctional alkynes and azides: From solution to bulk polymerization. <i>Journal of Polymer Science Part A</i> , 2014, 52, 239-247.  | 2.5  | 24        |
| 90 | A healing ionomer crosslinked by a bis-bidentate halogen bond linker: a route to hard and healable coatings. <i>Polymer Chemistry</i> , 2018, 9, 2193-2197.   | 1.9  | 24        |

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|-----|--|-----|-----------|
| 91  | Systematic MALDI-TOF CID Investigation on Different Substituted mPEG 2000. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 677-684.   | 1.1 | 23        |
| 92  | Dual hydrophilic polymers based on (meth)acrylic acid and poly(ethylene glycol) – synthesis and water uptake behavior. <i>Polymer Chemistry</i> , 2010, 1, 1669.   | 1.9 | 23        |
| 93  | Perfluorophenyl-Terpyridine Ruthenium Complex as Monomer for Fast, Efficient, and Mild Metallopolymerizations. <i>Macromolecular Rapid Communications</i> , 2012, 33, 517-521.   | 2.0 | 23        |
| 94  | Synthesis of a glycopolymeric PtlI carrier and its induction of apoptosis in resistant cancer cells. <i>Chemical Communications</i> , 2012, 48, 6357.  | 2.2 | 23        |
| 95  | Synthesis and Characterization of a Phthalimide-Containing Redox-Active Polymer for High-Voltage Polymer-Based Redox-Flow Batteries. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700267.   | 1.1 | 23        |
| 96  | Quantification of the scratch-healing efficiency for novel zwitterionic polymers. <i>NPG Asia Materials</i> , 2020, 12, .  | 3.8 | 23        |
| 97  | Light-harvesting of polymerizable 4-hydroxy-1,3-thiazole monomers by energy transfer toward photoactive Os(II) metal complexes in linear polymers. <i>Polymer Chemistry</i> , 2014, 5, 2715-2724.  | 1.9 | 22        |
| 98  | Investigation of Ice-Templated Porous Electrodes for Application in Organic Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23614-23623.   | 4.0 | 22        |
| 99  | All-Organic Redox Targeting with a Single Redox Moiety: Combining Organic Radical Batteries and Organic Redox Flow Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 6638-6648.   | 4.0 | 22        |
| 100 | Increased stability in self-healing polymer networks based on reversible Michael addition reactions. <i>Journal of Applied Polymer Science</i> , 2017, 134, .  | 1.3 | 21        |
| 101 | Conjugated Oligomers as Fluorescence Marker for the Determination of the Self-Healing Efficiency in Mussel-Inspired Polymers. <i>Chemistry of Materials</i> , 2018, 30, 2791-2799.   | 3.2 | 21        |
| 102 | Assorted Phenoxy-Radical Polymers and Their Application in Lithium-Organic Batteries. <i>Macromolecular Rapid Communications</i> , 2016, 37, 725-730.  | 2.0 | 20        |
| 103 | Click chemistry meets polymerization: Controlled incorporation of an easily accessible ruthenium(II) complex into a PMMA backbone via RAFT copolymerization. <i>European Polymer Journal</i> , 2009, 45, 3433-3441.  | 2.6 | 19        |
| 104 | Self-Healing Functional Polymeric Materials. <i>Advances in Polymer Science</i> , 2015, , 247-283.   | 0.4 | 19        |
| 105 | Fluorescence upconversion by triplet-triplet annihilation in all-organic poly(methacrylate)-terpolymers. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4072-4079.   | 1.3 | 19        |
| 106 | Self-Assembly of 3,6-Bis(4-triazolyl)pyridazine Ligands with Copper(I) and Silver(I) Ions: Time-Dependent 2D-NOESY and Ultracentrifuge Measurements. <i>Chemistry - an Asian Journal</i> , 2011, 6, 873-880.   | 1.7 | 18        |
| 107 | Synthesis and Characterization of Poly(methyl methacrylate) Backbone Polymers Containing Side-Chain Pendant Ruthenium(II) Bis-Terpyridine Complexes With an Elongated Conjugated System. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 808-819. | 1.1 | 18        |
| 108 | Blocked isocyanates: an efficient tool for post-polymerization modification of polymers. <i>Polymer Chemistry</i> , 2014, 5, 2574.   | 1.9 | 18        |

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|-----|---|-----|-----------|
| 109 | Synthesis, Separation, and Hypermethod Characterization of Gold Nanoparticle Dimers Connected by a Rigid Rod Linker. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17809-17817.                               | 1.5 | 18        |
| 110 | Do You Get What You See? Understanding Molecular Self-Healing. <i>Chemistry - A European Journal</i> , 2018, 24, 2493-2502.   | 1.7 | 18        |
| 111 | An Amperometric, Temperature-Independent, and Calibration-Free Method for the Real-Time State-of-Charge Monitoring of Redox Flow Battery Electrolytes. <i>Chemistry of Materials</i> , 2019, 31, 5363-5369.         | 3.2 | 18        |
| 112 | The Radiative Decay Rates Tune the Emissive Properties of Ruthenium(II) Polypyridyl Complexes: A Computational Study. <i>Chemistry - an Asian Journal</i> , 2012, 7, 667-671.                                       | 1.7 | 17        |
| 113 | Towards Hydrogen Evolution Initiated by LED Light: 2-(1 <i>H</i> -1,2,3-Triazol-4-yl)pyridine-Containing Polymers as Photocatalyst. <i>Macromolecular Rapid Communications</i> , 2015, 36, 671-677.                 | 2.0 | 17        |
| 114 | Novel, Stable Catholyte for Aqueous Organic Redox Flow Batteries: Symmetric Cell Study of Hydroquinones with High Accessible Capacity. <i>Molecules</i> , 2021, 26, 3823.   | 1.7 | 17        |
| 115 | TPA-PPEs " New alternating donor copolymers for potential application in photovoltaic devices. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1850-1861.  | 1.3 | 16        |
| 116 | Unexpected metal-mediated oxidation of hydroxymethyl groups to coordinated carboxylate groups by bis-cyclometalated iridium(iii) centers. <i>New Journal of Chemistry</i> , 2010, 34, 2622.                         | 1.4 | 16        |
| 117 | Blue emitting side-chain pendant 4-hydroxy-1,3-thiazoles in polystyrenes synthesized by RAFT polymerization. <i>European Polymer Journal</i> , 2012, 48, 1339-1347.   | 2.6 | 16        |
| 118 | A Homotelechelic bis-terpyridine macroligand: One-step synthesis and its metallo-supramolecular self-assembly. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2006-2015.                                      | 2.5 | 16        |
| 119 | Polymers with n-type nitroxide side groups: Synthesis and electrochemical characterization. <i>European Polymer Journal</i> , 2014, 61, 105-112.  | 2.6 | 16        |
| 120 | Modification of the Active Layer/PEDOT:PSS Interface by Solvent Additives Resulting in Improvement of the Performance of Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11068-11081. | 4.0 | 16        |
| 121 | Synthesis and electrochemical properties of novel redox-active polymers with anthraquinone moieties by Pd-catalyzed cyclopolymerization of dienes. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2184-2190.  | 2.5 | 16        |
| 122 | A New Approach Toward Metal-Free Self-Healing Ionomers Based on Phosphate and Methacrylate Containing Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700340.                                 | 1.1 | 16        |
| 123 | Stability of TMA-TEMPO-based aqueous electrolytes for redox-flow batteries. <i>Journal of Power Sources</i> , 2022, 525, 230996.  | 4.0 | 16        |
| 124 | Bis-hydrophilic and functional triblock terpolymers based on polyethers: Synthesis and self-assembly in solution. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2914-2923.                                   | 2.5 | 15        |
| 125 | Synthesis and characterization of polymethacrylates containing conjugated oligo(phenylene) Tj ETQq1 1 0.784314,rgBT /Overlock 10  | 2.5 | 15        |
| 126 | Poly[10-coxo-2-vinylanthracen-9(10 <i>H</i> )-ylidene]cyanamide as a novel cathode material for organic batteries. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2517-2523.                                  | 2.5 | 15        |



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