

Katsuhiko Maeda

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130
papers

8,674
citations

42
h-index

92
g-index

147
ext. papers

9,741
ext. citations

8.6
avg, IF

6.26
L-index

#	Paper	IF	Citations
130	Helical polymers: synthesis, structures, and functions. <i>Chemical Reviews</i> , 2009 , 109, 6102-211	68.1	1277
129	Supramolecular Helical Systems: Helical Assemblies of Small Molecules, Foldamers, and Polymers with Chiral Amplification and Their Functions. <i>Chemical Reviews</i> , 2016 , 116, 13752-13990	68.1	1029
128	Memory of macromolecular helicity assisted by interaction with achiral small molecules. <i>Nature</i> , 1999 , 399, 449-451	50.4	668
127	Detection and amplification of chirality by helical polymers. <i>Chemistry - A European Journal</i> , 2004 , 10, 42-51	4.8	504
126	Single- and double-stranded helical polymers: synthesis, structures, and functions. <i>Accounts of Chemical Research</i> , 2008 , 41, 1166-80	24.3	400
125	Chirality-Responsive Helical Polymers. <i>Macromolecules</i> , 2008 , 41, 3-12	5.5	380
124	Switchable enantioseparation based on macromolecular memory of a helical polyacetylene in the solid state. <i>Nature Chemistry</i> , 2014 , 6, 429-34	17.6	259
123	Dynamic Helical Structures: Detection and Amplification of Chirality		205
122	Switching of a macromolecular helicity for visual distinction of molecular recognition events. <i>Journal of the American Chemical Society</i> , 2001 , 123, 8159-60	16.4	185
121	Switching of macromolecular helicity of optically active poly(phenylacetylene)s bearing cyclodextrin pendants induced by various external stimuli. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7639-50	16.4	166
120	Mechanism of helix induction on a stereoregular Poly((4-carboxyphenyl)acetylene) with chiral amines and memory of the macromolecular helicity assisted by interaction with achiral amines. <i>Journal of the American Chemical Society</i> , 2004 , 126, 4329-42	16.4	146
119	A helical polyelectrolyte induced by specific interactions with biomolecules in water. <i>Journal of the American Chemical Society</i> , 2001 , 123, 7441-2	16.4	112
118	An unprecedented memory of macromolecular helicity induced in an achiral polyisocyanide in water. <i>Journal of the American Chemical Society</i> , 2004 , 126, 732-3	16.4	111
117	Dual memory of enantiomeric helices in a polyacetylene induced by a single enantiomer. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5018-9	16.4	106
116	Mechanism of helix induction in poly(4-carboxyphenyl isocyanide) with chiral amines and memory of the macromolecular helicity and its helical structures. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10719-32	16.4	91
115	Enantioselective esterification of prochiral phosphonate pendants of a polyphenylacetylene assisted by macromolecular helicity: storage of a dynamic macromolecular helicity memory. <i>Journal of the American Chemical Society</i> , 2005 , 127, 2960-5	16.4	91
114	Poly(phenylacetylene)s bearing a peptide pendant: helical conformational changes of the polymer backbone stimulated by the pendant conformational change. <i>Chemistry - A European Journal</i> , 2004 , 10, 4000-10	4.8	90

113	Helix-Sense Inversion of Poly(phenylacetylene) Derivatives Bearing an Optically Active Substituent Induced by External Chiral and Achiral Stimuli. <i>Macromolecules</i> , 2003 , 36, 1480-1486	5.5	88
112	Stereospecific Polymerization of Propiolic Acid with Rhodium Complexes in the Presence of Bases and Helix Induction on the Polymer in Water. <i>Macromolecules</i> , 2001 , 34, 1160-1164	5.5	88
111	Synthesis and Macromolecular Helicity Induction of a Stereoregular Polyacetylene Bearing a Carboxy Group with Natural Amino Acids in Water. <i>Macromolecules</i> , 2000 , 33, 4616-4618	5.5	85
110	Macromolecular helicity induction on a poly(phenylacetylene) with C ₂ -symmetric chiral [60]fullerene-bisadducts. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11711-7	16.4	80
109	Temperature dependence of helical structures of poly(phenylacetylene) derivatives bearing an optically active substituent. <i>Chemistry - A European Journal</i> , 2002 , 8, 5112-20	4.8	77
108	Helicity Induction and Conformational Dynamics of Poly(bis(4-carboxyphenoxy)phosphazene) with Optically Active Amines. <i>Journal of the American Chemical Society</i> , 2000 , 122, 7813-7814	16.4	71
107	Direct Detection of Hardly Detectable Hidden Chirality of Hydrocarbons and Deuterated Isotopomers by a Helical Polyacetylene through Chiral Amplification and Memory. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3270-3276	16.4	70
106	Synthesis of functional poly(phenyl isocyanide)s with macromolecular helicity memory and their use as asymmetric organocatalysts. <i>Chirality</i> , 2009 , 21, 44-50	2.1	70
105	Hierarchical Amplification of Macromolecular Helicity in a Lyotropic Liquid Crystalline Charged Poly(phenylacetylene) by Nonracemic Dopants in Water and Its Helical Structure. <i>Macromolecules</i> , 2006 , 39, 5371-5380	5.5	65
104	Unusual Conformational Change of Optically Active Poly(3-((S)-sec-butoxycarbonyl)phenyl isocyanate). <i>Macromolecules</i> , 1998 , 31, 5164-6	5.5	64
103	Helicity Induction on Poly(phenylacetylene)s Bearing Phosphonic Acid Pendants with Chiral Amines and Memory of the Macromolecular Helicity Assisted by Interaction with Achiral Amines in Dimethyl Sulfoxide. <i>Macromolecules</i> , 2004 , 37, 5495-5503	5.5	60
102	Nonracemic dopant-mediated hierarchical amplification of macromolecular helicity in a charged polyacetylene leading to a cholesteric liquid crystal in water. <i>Journal of the American Chemical Society</i> , 2004 , 126, 16284-5	16.4	59
101	Synthesis of Optically Active Helical Poly(phenylacetylene)s Bearing Oligopeptide Pendants and Their Use as Polymeric Organocatalysts for Asymmetric Epoxidation. <i>Macromolecules</i> , 2007 , 40, 6783-6785	5.5	58
100	Synthesis and Conformation of Optically Active Poly(phenyl isocyanate)s Bearing an ((S)-(-)-Methylbenzyl)carbamoyl) Group. <i>Macromolecules</i> , 1998 , 31, 1046-1052	5.5	58
99	Unexpectedly Strong Chiral Amplification of Chiral/Achiral and Chiral/Chiral Copolymers of Biphenylacetylenes and Further Enhancement/Inversion and Memory of the Macromolecular Helicity. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7605-7614	16.4	57
98	Hierarchical amplification of macromolecular helicity of dynamic helical poly(phenylacetylene)s composed of chiral and achiral phenylacetylenes in dilute solution, liquid crystal, and two-dimensional crystal. <i>Journal of the American Chemical Society</i> , 2011 , 133, 108-14	16.4	57
97	Helical Polyacetylenes Induced via Noncovalent Chiral Interactions and Their Applications as Chiral Materials. <i>Topics in Current Chemistry</i> , 2017 , 375, 72	7.2	56
96	Radical trans-Hydroboration of Alkynes with N-Heterocyclic Carbene Boranes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9485-9490	16.4	55

95	Helical polymer brushes with a preferred-handed helix-sense triggered by a terminal optically active group in the pendant. <i>Chemical Communications</i> , 2012 , 48, 3342-4	5.8	53
94	Macromolecular helicity induction in a cationic polyacetylene assisted by an anionic polyisocyanide with helicity memory in water: replication of macromolecular helicity. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15161-6	16.4	52
93	Helicity Induction in Charged Poly(phenylacetylene)s Bearing Various Acidic Functional Groups in Water and Its Mechanism. <i>Macromolecules</i> , 2005 , 38, 8625-8633	5.5	51
92	Three-State Switchable Chiral Stationary Phase Based on Helicity Control of an Optically Active Poly(phenylacetylene) Derivative by Using Metal Cations in the Solid State. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8592-8598	16.4	47
91	Efficient and rapid direct transesterification reactions of cellulose with isopropenyl acetate in ionic liquids. <i>RSC Advances</i> , 2015 , 5, 72071-72074	3.7	46
90	Chiroptical Properties of Oligomers of m-Methylphenyl Isocyanate Bearing an Optically Active End-Group. <i>Polymer Journal</i> , 1995 , 27, 141-146	2.7	43
89	Chiral Amplification in Polymer Brushes Consisting of Dynamic Helical Polymer Chains through the Long-Range Communication of Stereochemical Information. <i>Macromolecules</i> , 2014 , 47, 6540-6546	5.5	42
88	Helicity Induction and Chiral Amplification in a Poly(phenylacetylene) Bearing N,N-Diisopropylaminomethyl Groups with Chiral Acids in Water. <i>Macromolecules</i> , 2005 , 38, 5444-5451	5.5	42
87	Dual Memory of Enantiomeric Helices in Poly(phenylacetylene)s Induced by a Single Enantiomer through Helix Inversion and Dual Storage of the Enantiomeric Helicity Memories. <i>Macromolecules</i> , 2015 , 48, 4281-4293	5.5	40
86	Circularly Polarized Luminescent Triptycene-Based Polymers. <i>ACS Macro Letters</i> , 2018 , 7, 364-369	6.6	39
85	Helicity induction on a poly(phenylacetylene) bearing a phosphonate residue by chiral dendrons. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 4580-4586	2.5	39
84	Helical Structure of Oligo- and Poly(m-substituted phenyl isocyanate)s Bearing an Optically Active End-Group. <i>Polymer Journal</i> , 1998 , 30, 100-105	2.7	36
83	Helix-Sense-Selective Synthesis of Right- and Left-Handed Helical Luminescent Poly(diphenylacetylene)s with Memory of the Macromolecular Helicity and Their Helical Structures. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7668-7682	16.4	35
82	A mechanistic insight into the organocatalytic properties of imidazolium-based ionic liquids and a positive co-solvent effect on cellulose modification reactions in an ionic liquid. <i>RSC Advances</i> , 2017 , 7, 9423-9430	3.7	31
81	Chiral Recognition Ability of an Optically Active Poly(diphenylacetylene) as a Chiral Stationary Phase for HPLC. <i>Chemistry Letters</i> , 2016 , 45, 1063-1065	1.7	31
80	Syntheses and Chiroptical Properties of Optically Active Helical Poly(phenylacetylene)s Bearing [60]Fullerene Pendants. <i>Macromolecules</i> , 2007 , 40, 9244-9251	5.5	29
79	Helically Folding Polymers		29
78	Esters as Radical Acceptors: NHC -Borylalkenyl Radicals Induce Lactonization by C-C Bond Formation/Cleavage on Esters. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6357-6361	16.4	28

77	Helicity Induction in a Poly(4-carboxyphenyl isocyanide) with Chiral Amines and Memory of the Macromolecular Helicity in Aqueous Solution. <i>Macromolecules</i> , 2006 , 39, 6003-6008	5.5	28
76	Helix formation of poly(phenylacetylene) derivatives bearing amino groups at the meta position induced by optically active carboxylic acids. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 3180-3189	2.5	27
75	Synthesis of Optically Active Poly(diphenylacetylene)s Using Polymer Reactions and an Evaluation of Their Chiral Recognition Abilities as Chiral Stationary Phases for HPLC. <i>Molecules</i> , 2016 , 21,	4.8	27
74	Chirality sensing of various biomolecules with helical poly(phenylacetylene)s bearing acidic functional groups in water. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 5039-5048	2.5	26
73	Solvent-induced switching of the macromolecular helicity of poly[(4-carboxyphenyl)acetylene] induced by a single chiral amino alcohol. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 3625-3631	2.5	25
72	Chiral triptycene-pyrene π -conjugated chromophores with circularly polarized luminescence. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 8440-8447	3.9	24
71	A helical array of pendant fullerenes on a helical poly(phenylacetylene) induced by non-covalent chiral interactions. <i>Chemical Communications</i> , 2004 , 646-7	5.8	24
70	Synthesis and chiroptical properties of a π -conjugated polymer containing glucose-linked biphenyl units in the main chain capable of folding into a helical conformation. <i>Polymer Chemistry</i> , 2016 , 7, 7522-7529	4.9	23
69	Amplification of macromolecular helicity of dynamic helical poly(phenylacetylene)s bearing non-racemic alanine pendants in dilute solution, liquid crystal and two-dimensional crystal. <i>Polymer Journal</i> , 2012 , 44, 42-50	2.7	23
68	Temperature-induced chiroptical changes in a helical poly(phenylacetylene) bearing N,N-diisopropylaminomethyl groups with chiral acids in water. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1314-21	4.5	23
67	Helicity Induction on a Poly(phenylacetylene) Derivative Bearing a Sulfonic Acid Pendant with Chiral Amines and Memory of the Macromolecular Helicity in Dimethyl Sulfoxide. <i>Polymer Journal</i> , 2006 , 38, 912-919	2.7	22
66	Helicity induction and memory effect in poly(biphenylacetylene)s bearing various functional groups and their use as switchable chiral stationary phases for HPLC. <i>Polymer Chemistry</i> , 2019 , 10, 6260-6268	4.9	22
65	Effect of Polyelectrolyte Function on Helical Structures of Optically Active Poly(phenylacetylene) Derivatives Bearing Basic or Acidic Functional Pendant Groups. <i>Macromolecules</i> , 2011 , 44, 8343-8349	5.5	21
64	Enantioselective Adsorption of Chiral Amines on an Induced Helical Poly(bis(4-carboxyphenoxy)phosphazene): Chiral Filter Effect. <i>Macromolecules</i> , 2011 , 44, 2457-2464	5.5	21
63	Synthesis and Chiral Recognition of Helical Polymers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1997 , 34, 1771-1783	2.2	21
62	Molecular Recognition of Nucleosides and Nucleotides Based on Circular Dichroism Induced by Helix Formation of Poly[(4-dihydroxyborophenyl)acetylene]. <i>Chemistry Letters</i> , 2001 , 30, 58-59	1.7	21
61	Spin Filtering Along Chiral Polymers. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14671-14676	16.4	20
60	Radical trans-Hydroboration of Alkynes with N-Heterocyclic Carbene Boranes. <i>Angewandte Chemie</i> , 2018 , 130, 9629-9634	3.6	20

59	Synthesis of polysaccharide derivatives bearing pyridine N-oxide groups and their use as asymmetric organocatalysts. <i>Reactive and Functional Polymers</i> , 2011 , 71, 1055-1058	4.6	20
58	Cellulose derivatives bearing pyrene-based π -conjugated pendants with circularly polarized luminescence in molecularly dispersed state. <i>Polymer</i> , 2017 , 117, 220-224	3.9	19
57	Chiral stationary phases consisting of π -conjugated polymers bearing glucose-linked biphenyl units: reversible switching of resolution abilities based on a coil-to-helix transition. <i>Polymer Chemistry</i> , 2017 , 8, 4190-4198	4.9	18
56	Helicity induction and memory of the macromolecular helicity in a polyacetylene bearing a biphenyl pendant. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 614-624	4.5	18
55	Dithiocarbamate-modified cellulose resins: A novel adsorbent for selective removal of arsenite from aqueous media. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120816	12.8	17
54	Highly selective and straightforward recovery of gold and platinum from acidic waste effluents using cellulose-based bio-adsorbent. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124569	12.8	17
53	Chromatographic enantioseparation by poly(biphenylacetylene) derivatives with memory of both axial chirality and macromolecular helicity. <i>Chirality</i> , 2017 , 29, 120-129	2.1	16
52	Chiral/Achiral Copolymers of Biphenylacetylenes Bearing Various Substituents: Chiral Amplification through Copolymerization, Followed by Enhancement/Inversion and Memory of the Macromolecular Helicity. <i>Macromolecules</i> , 2020 , 53, 973-981	5.5	15
51	Macromolecular Helicity Induction and Memory in a Poly(biphenylacetylene) Bearing an Ester Group and Its Application to a Chiral Stationary Phase for High-performance Liquid Chromatography. <i>Chemistry Letters</i> , 2015 , 44, 946-948	1.7	15
50	Synthesis and structure of poly(phenyl isocyanate)s bearing an optically active alkoxy group. <i>Journal of Physical Organic Chemistry</i> , 2000 , 13, 361-367	2.1	14
49	Static Memory of Enantiomeric Helices Induced in a Poly(biphenylacetylene) by a Single Enantiomer Assisted by Temperature- and Solvent-Driven Helix Inversion. <i>Macromolecules</i> , 2017 , 50, 7801-7806	5.5	13
48	Macromolecular helicity control of poly(phenyl isocyanate)s with a single stimuli-responsive chiral switch. <i>Chemical Communications</i> , 2019 , 55, 7906-7909	5.8	13
47	Esters as Radical Acceptors: π NHC-Borylalkenyl Radicals Induce Lactonization by C-C Bond Formation/Cleavage on Esters. <i>Angewandte Chemie</i> , 2019 , 131, 6423-6427	3.6	13
46	Macromolecular helicity inversion of poly(phenylacetylene) derivatives induced by various external stimuli. <i>Macromolecular Symposia</i> , 2003 , 201, 135-142	0.8	13
45	Facile and Versatile Synthesis of End-Functionalized Poly(phenylacetylene)s: A Multicomponent Catalytic System for Well-Controlled Living Polymerization of Phenylacetylenes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8670-8680	16.4	12
44	Disclosing chirality in consecutive supramolecular polymerizations: chiral induction by light in N-annulated perylenetetracarboxamides. <i>Chemical Communications</i> , 2020 , 56, 2244-2247	5.8	12
43	Helicity Induction and Its Static Memory of Poly(biphenylacetylene)s Bearing Pyridine N-Oxide Groups and Their Use as Asymmetric Organocatalysts. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 2481-2490	2.5	12
42	Layer-by-layer assembly of charged poly(phenylacetylene)s with induced macromolecular helicity. <i>Chemical Communications</i> , 2005 , 4152-4	5.8	12

41	A Helical Array of Pendant Fullerenes on an Optically Active Polyphenylacetylene. <i>Angewandte Chemie</i> , 2002 , 114, 3754-3756	3.6	12
40	Catalytic one-handed helix-induction and memory of amphiphilic poly(biphenylacetylene)s in water. <i>Giant</i> , 2020 , 2, 100016	5.6	12
39	Selective recovery of silver and palladium from acidic waste solutions using dithiocarbamate-functionalized cellulose. <i>Chemical Engineering Journal</i> , 2021 , 407, 127225	14.7	12
38	A Luminescent Poly(phenylenevinylene)-Amylose Composite with Supramolecular Liquid Crystallinity. <i>Angewandte Chemie</i> , 2006 , 118, 6641-6645	3.6	11
37	Convenient synthesis of fully and partially deuterated stereoregular poly(phenylacetylene)s bearing a carboxy pendant and helicity induction on the polymers with chiral amines and its memory. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 4711-4722	2.5	11
36	Optically active distorted cyclic triptycenes: chiral stationary phases for HPLC.. <i>RSC Advances</i> , 2018 , 8, 20483-20487	3.7	10
35	Helicity Induction on Macromolecules.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2002 , 60, 878-890	0.2	10
34	Racemic Monomer-Based One-Handed Helical Polymer Recognizes Enantiomers through Auto-Evolution of Its Helical Handedness Excess. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4625-4632	16.4	10
33	Synthesis of a poly(diphenylacetylene) bearing optically active anilide pendants and its application to a chiral stationary phase for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2020 , 1622, 461173	4.5	9
32	Emergence of Highly Enantioselective Catalytic Activity in a Helical Polymer Mediated by Deracemization of Racemic Pendants. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12725-12735	16.4	9
31	Revisiting Polyfluoroarenes as Radical Acceptors: Radical C-F Bond Borylation of Polyfluoroarenes with N-Heterocyclic Carbene Boranes and Synthesis of Borane-Containing Liquid Crystals. <i>Organic Letters</i> , 2020 , 22, 2054-2059	6.2	8
30	Helix induction in an optically inactive poly[(4-carboxyphenyl)acetylene] film with chiral amines. <i>Mendeleev Communications</i> , 2004 , 14, 231-233	1.9	8
29	The Thermal Rearrangement of an NHC-Ligated 3-Benzoborepin to an NHC-Boranorcaradiene. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 903-909	16.4	8
28	Synthesis of Thieno[3,4-b]thiophene-Based Donor Molecules with Phenyl Ester Pendants for Organic Solar Cells: Control of Photovoltaic Properties via Single Substituent Replacement. <i>ChemistrySelect</i> , 2016 , 1, 703-709	1.8	8
27	Helical Polymers with Dynamic and Static Macromolecular Helicity Memory: The Power of Helicity Memory for Helical Polymer Synthesis and Applications. <i>Bulletin of the Chemical Society of Japan</i> ,	5.1	8
26	Revisiting the Polymerization of Diphenylacetylenes with Tungsten(VI) Chloride and Tetraphenyltin: An Alternative Mechanism by a Metathesis Catalytic System. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14772-14780	16.4	8
25	Chemical Modification of a Luminescent Poly(phenylenevinylene)-Amylose Composite. <i>Macromolecules</i> , 2008 , 41, 5065-5069	5.5	7
24	Cu(II)-assisted Helicity Induction on a Poly(phenylacetylene) Derivative Bearing an Achiral Glycine Residue with Amino Acids in Water. <i>Chemistry Letters</i> , 2003 , 32, 1086-1087	1.7	7

23	Synthesis of Stereoregular Telechelic Poly(phenylacetylene)s: Facile Terminal Chain-End Functionalization of Poly(phenylacetylene)s by Terminative Coupling with Acrylates and Acrylamides in Rhodium-Catalyzed Living Polymerization of Phenylacetylenes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3604-3612	16.4	7
22	Facile and Versatile Synthesis of End-Functionalized Poly(phenylacetylene)s: A Multicomponent Catalytic System for Well-Controlled Living Polymerization of Phenylacetylenes. <i>Angewandte Chemie</i> , 2020 , 132, 8748-8758	3.6	6
21	Application of Soluble Poly(phenylenevinylene) Wrapped in Amylose to Organic Light-Emitting Diodes. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 471, 29-38	0.5	6
20	Radical -Hydroboration of Substituted 1,3-Diynes with an -Heterocyclic Carbene Borane. <i>Organic Letters</i> , 2021 , 23, 1071-1075	6.2	6
19	The Thermal Rearrangement of an NHC-Ligated 3-Benzoborepin to an NHC-Boranorcaradiene. <i>Angewandte Chemie</i> , 2020 , 132, 913-919	3.6	5
18	Helical springs as a color indicator for determining chirality and enantiomeric excess. <i>Science Advances</i> , 2021 , 7,	14.3	5
17	Comparative evaluation of dithiocarbamate-modified cellulose and commercial resins for recovery of precious metals from aqueous matrices. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126308	12.8	5
16	Helicity Induction on a Poly (phenylacetylene) Bearing Carboxy Groups at the Meta-Position. <i>Kobunshi Ronbunshu</i> , 2006 , 63, 325-330	0	4
15	Visualisation of helical structures of poly(diphenylacetylene)s bearing chiral amide pendants by atomic force microscopy. <i>Chemical Communications</i> , 2021 , 57, 12266-12269	5.8	3
14	Dithiocarbamate-modified cellulose-based sorbents with high storage stability for selective removal of arsenite and hazardous heavy metals.. <i>RSC Advances</i> , 2020 , 10, 30238-30244	3.7	3
13	Influence of 4-fluorophenyl pendants in thieno[3,4-b]thiophene-benzo[1,2-b:4,5-b']dithiophene-based polymers on the performance of photovoltaics. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 1586-1593	2.5	2
12	Revisiting the Polymerization of Diphenylacetylenes with Tungsten(VI) Chloride and Tetraphenyltin: An Alternative Mechanism by a Metathesis Catalytic System. <i>Angewandte Chemie</i> , 2020 , 132, 14882-14890	3.6	2
11	Helicity Induction on Optically Inactive Polyacetylenes and Polyphosphazenes. <i>ACS Symposium Series</i> , 2002 , 41-53	0.4	2
10	Helical Polyacetylenes Induced via Noncovalent Chiral Interactions and Their Applications as Chiral Materials. <i>Topics in Current Chemistry Collections</i> , 2017 , 1-31	1.8	2
9	Racemic Monomer-Based One-Handed Helical Polymer Recognizes Enantiomers through Auto-Evolution of Its Helical Handedness Excess. <i>Angewandte Chemie</i> , 2021 , 133, 4675-4682	3.6	2
8	Solvent-dependent helix inversion in optically active poly(diphenylacetylene)s and their chiral recognition abilities as chiral stationary phases for high-performance liquid chromatography.. <i>Chirality</i> , 2022 ,	2.1	1
7	Rhodium(I) Complexes Bearing an Aryl-Substituted 1,3,5-Hexatriene Chain: Catalysts for Living Polymerization of Phenylacetylene and Potential Helical Chirality of 1,3,5-Hexatrienes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22201-22206	16.4	1
6	Speciation analysis of inorganic selenium in wastewater using a highly selective cellulose-based adsorbent via liquid electrode plasma optical emission spectrometry. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127250	12.8	1

5	Spin Filtering Along Chiral Polymers. <i>Angewandte Chemie</i> , 2020 , 132, 14779-14784	3.6	o
4	Rhodium(I) Complexes Bearing an Aryl-Substituted 1,3,5-Hexatriene Chain: Catalysts for Living Polymerization of Phenylacetylene and Potential Helical Chirality of 1,3,5-Hexatrienes. <i>Angewandte Chemie</i> , 2021 , 133, 22375-22380	3.6	o
3	Understanding the Polymerization of Diphenylacetylenes with Tantalum(V) Chloride and Cocatalysts: Production of Cyclic Poly(diphenylacetylene)s by Low-Valent Tantalum Species Generated in Situ. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16136-16146	16.4	o
2	Enantioseparation on Helical Poly(diphenylacetylene)s Bearing Optically-Active Pendants: Effects of Differences in Higher-Order Structures of Kinetically-Trapped and Thermodynamically-Stable States on Chiral Recognition Ability. <i>Journal of Chromatography A</i> , 2022 , 463164	4.5	o
1	Synthesis of Pentaarylcyclobutenylrhodium(I) Complexes and Their Reactivity and Initiation Mechanism in Polymerization of Monosubstituted Acetylenes. <i>Organometallics</i> , 2022 , 41, 472-479	3.8	