Jeanne Crassous

List of Publications by Year in Descending Order

159 papers	5,640 citations	40 h-index	69 g-index
191 ext. papers	6,814 ext. citations	7.6 avg, IF	6.14 L-index

#	Paper	IF	Citations
159	Enantiopure, luminescent, cyclometalated Ir(III) complexes with N-heterocyclic carbene-naphthalimide chromophore: design, vibrational circular dichroism and TD-DFT calculations.. *Dalton Transactions*, **2022**,	4.3	2
158	Optical Activity of Spin-Forbidden Electronic Transitions in Metal Complexes from Time-Dependent Density Functional Theory with Spin-Orbit Coupling.. *ChemistryOpen*, **2022**, 11, e202200020	2.3	1
157	Luminescent Chiral Exciplexes with Sky-Blue and Green Circularly Polarized-Thermally Activated Delayed Fluorescence. *Chemistry - A European Journal*, **2021**, 27, 16505-16511	4.8	2
156	Synthesis and Properties of Partially Saturated Fluorenyl-Derived [n]Helicenes Featuring an Overcrowded Alkene. *Chemistry - A European Journal*, **2021**, 27, 7722-7730	4.8	1
155	Circularly Polarized Fluorescent Helicene-Boranils: Synthesis, Photophysical and Chiroptical Properties. *Chemistry - A European Journal*, **2021**, 27, 7959-7967	4.8	8
154	Flavin-Helicene Amphiphilic Hybrids: Synthesis, Characterization, and Preparation of Surface-Supported Films. *ChemPlusChem*, **2021**, 86, 982-990	2.8	0
153	Why is the Energy of the Singly Occupied Orbital in Some Radicals below the Highest Occupied Orbital Energy?. *Chemistry of Materials*, **2021**, 33, 3678-3691	9.6	7
152	Rhodium-Catalyzed Enantioselective Synthesis of Highly Fluorescent and CPL-Active Dispiroindeno[2,1-c]fluorenes. *Chemistry - A European Journal*, **2021**, 27, 11279-11284	4.8	4
151	Tunable construction of transition metal-coordinated helicene cages. *Chinese Chemical Letters*, **2021**, 32, 3988-3988	8.1	2
150	Oxidative cyclo-rearrangement of helicenes into chiral nanographenes. *Nature Communications*, **2021**, 12, 2786	17.4	16
149	Enantioenriched Ruthenium-Tris-Bipyridine Complexes Bearing One Helical Bipyridine Ligand: Access to Fused Multihelicenic Systems and Chiroptical Redox Switches. *Inorganic Chemistry*, **2021**, 60, 11838-11851	5.1	4
148	Axial and helical thermally activated delayed fluorescence bicarbazole emitters: opposite modulation of circularly polarized luminescence through intramolecular charge-transfer dynamics. *Journal of Materials Chemistry C*, **2021**, 9, 11905-11914	7.1	3
147	Allosteric Guest Binding in Chiral Zirconium(IV) Double Decker Porphyrin Cages. *European Journal of Organic Chemistry*, **2021**, 2021, 607-617	3.2	1
146	Valence-shell photoelectron circular dichroism of ruthenium(III)-tris-(acetylacetonato) gas-phase enantiomers. *Physical Chemistry Chemical Physics*, **2021**, 23, 24140-24153	3.6	3
145	Exciton coupling chirality in helicene-porphyrin conjugates. *Chemical Communications*, **2021**, 57, 10743-10746	4.9	3
144	Helical donor-acceptor platinum complexes displaying dual luminescence and near-infrared circularly polarized luminescence. *Dalton Transactions*, **2021**, 50, 13220-13226	4.3	3
143	Helicene-Based Ligands Enable Strong Magneto-Chiral Dichroism in a Chiral Ytterbium Complex. *Journal of the American Chemical Society*, **2021**, 143, 2671-2675	16.4	12

142	Pasteur and chirality: A story of how serendipity favors the prepared minds. *Chirality*, **2021**, 33, 597-601	2.1	3
141	Helically Chiral NHC-Gold(I) Complexes: Synthesis, Chiroptical Properties and Electronic Features of the [5]Helicene-Imidazolylidene Ligand. *European Journal of Organic Chemistry*, **2021**, 2021, 4769-4776	3.2	1
140	Distance Matters: Biasing Mechanism, Transfer of Asymmetry, and Stereomutation in N-Annulated Perylene Bisimide Supramolecular Polymers. *Journal of the American Chemical Society*, **2021**, 143, 13281-13291	16.4	8
139	Absolute configuration of a [1]rotaxane determined from vibrational and electronic circular dichroism spectra. *Chirality*, **2021**, 33, 773-782	2.1	
138	Triskelion-shaped iridium-helicene NHC complex. *Inorganic Chemistry Frontiers*, **2021**, 8, 3916-3925	6.8	2
137	Achieving high circularly polarized luminescence with push-pull helicenic systems: from rationalized design to top-emission CP-OLED applications. *Chemical Science*, **2021**, 12, 5522-5533	9.4	24
136	Site-Specific Reduction-Induced Hydrogenation of a Helical Bilayer Nanographene with K and Rb Metals: Electron Multiaddition and Selective Rb+ Complexation. *Angewandte Chemie - International Edition*, **2021**,	16.4	2
135	Chemical Synthesis of [H]-Ethyl Tosylate and Exploration of Its Crypto-optically Active Character Combining Complementary Spectroscopic Tools. *Organic Letters*, **2020**, 22, 8846-8849	6.2	
134	Metal-Based Multihelicenic Architectures. *Angewandte Chemie - International Edition*, **2020**, 59, 22840-22856	16.4	18
133	Long-Lived Circularly Polarized Phosphorescence in Helicene-NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. *Angewandte Chemie*, **2020**, 132, 8472-8478	3.6	10
132	Long-Lived Circularly Polarized Phosphorescence in Helicene-NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. *Angewandte Chemie - International Edition*, **2020**, 59, 8394-8400	16.4	28
131	Metal-Based Multihelicenic Architectures. *Angewandte Chemie*, **2020**, 132, 23036-23052	3.6	6
130	Redox and optically active carbohelicene layers prepared by potentiodynamic polymerization. *Electrochemistry Communications*, **2020**, 113, 106689	5.1	5
129	Circularly Polarized Luminescence in Helicene and Helicenoid Derivatives **2020**, 53-97		10
128	Modulation of circularly polarized luminescence through excited-state symmetry breaking and interbranched exciton coupling in helical push-pull organic systems. *Chemical Science*, **2020**, 11, 567-576	9.4	40
127	Helicene-derived aggregation-induced emission conjugates with highly tunable circularly polarized luminescence. *Materials Chemistry Frontiers*, **2020**, 4, 837-844	7.8	19
126	Persistent Organic Room-Temperature Phosphorescence in Cyclohexane--1,2-Bisphthalimide Derivatives: The Dramatic Impact of Heterochiral vs Homochiral interactions. *Journal of Physical Chemistry Letters*, **2020**, 11, 6426-6434	6.4	11
125	Axially and Helically Chiral Cationic Radical Bicarbazoles: SOMO-HOMO Level Inversion and Chirality Impact on the Stability of Mono- and Diradical Cations. *Journal of the American Chemical Society*, **2020**,	16.4	20

124	Dinuclear Rhenium Complexes with a Bridging Helicene-bis-bipyridine Ligand: Synthesis, Structure, and Photophysical and Chiroptical Properties. *ChemPlusChem*, **2020**, 85, 2446-2454	2.8	4
123	Absolute configuration and host-guest binding of chiral porphyrin-cages by a combined chiroptical and theoretical approach. *Nature Communications*, **2020**, 11, 4776	17.4	13
122	Maximizing Chiral Perturbation on Thermally Activated Delayed Fluorescence Emitters and Elaboration of the First Top-Emission Circularly Polarized OLED. *Advanced Functional Materials*, **2020**, 30, 2004838	15.6	42
121	Chiral Diketopyrrolopyrrole-Helicene Polymer With Efficient Red Circularly Polarized Luminescence. *Frontiers in Chemistry*, **2020**, 8, 237	5	14
120	Diastereoselective synthesis of [1]rotaxanes an active metal template strategy. *Chemical Science*, **2020**, 12, 2521-2526	9.4	4
119	A kinetic resolution strategy for the synthesis of chiral octahedral NHC-iridium(iii) catalysts. *Chemical Communications*, **2019**, 55, 6058-6061	5.8	12
118	Lemniscular [16]Cycloparaphenylene: A Radially Conjugated Figure-Eight Aromatic Molecule. *Journal of the American Chemical Society*, **2019**, 141, 7421-7427	16.4	73
117	An Enantiopure Cyclometallated Iridium Complex Displaying Long-Lived Phosphorescence both in Solution and in the Solid State. *Helvetica Chimica Acta*, **2019**, 102, e1900044	2	19
116	Bis-4-aza[6]helicene: A Bis-helicenic 2,2'-Bipyridine with Chemically Triggered Chiroptical Switching Activity. *Journal of Organic Chemistry*, **2019**, 84, 5383-5393	4.2	28
115	Phosphahelicenes: From Chiroptical and Photophysical Properties to OLED Applications. *Chemistry - A European Journal*, **2019**, 25, 5303-5310	4.8	19
114	Enantioenriched Helicenes and Helicenoids Containing Main-Group Elements (B, Si, N, P). *Chemical Reviews*, **2019**, 119, 8846-8953	68.1	188
113	Synthesis and chiroptical properties of organometallic complexes of helicenic N-heterocyclic carbenes. *Chirality*, **2019**, 31, 1005-1013	2.1	5
112	Phosphahelicenes with (Thio)Phosphinic Acid and Ester Functions by the Oxidative Photocyclisation Approach. *Chemistry - A European Journal*, **2019**, 25, 15609-15614	4.8	0
111	3D Coumarin Systems Based on [2.2]Paracyclophane: Synthesis, Spectroscopic Characterization, and Chiroptical Properties. *Journal of Organic Chemistry*, **2019**, 84, 888-899	4.2	15
110	Helicenic Complexes of Lanthanides: Influence of the f-Element on the Intersystem Crossing Efficiency and Competition between Luminescence and Oxygen Sensitization. *European Journal of Inorganic Chemistry*, **2019**, 2019, 118-125	2.3	18
109	Tetrathiafulvalene-Based Helicene Ligand in the Design of a Dysprosium Field-Induced Single-Molecule Magnet. *Inorganic Chemistry*, **2019**, 58, 52-56	5.1	22
108	Reversible Stereodivergent Cycloaddition of Racemic Helicenes to [60]Fullerene: A Chiral Resolution Strategy. *Organic Letters*, **2018**, 20, 1764-1767	6.2	2
107	Synthesis of a Helical Bilayer Nanographene. *Angewandte Chemie*, **2018**, 130, 6890-6895	3.6	55

106	Synthesis of a Helical Bilayer Nanographene. *Angewandte Chemie - International Edition*, **2018**, 57, 6774-6779	12.4	112
105	Chiral Organic Cages with a Triple-Stranded Helical Structure Derived from Helicene. *Journal of the American Chemical Society*, **2018**, 140, 2769-2772	16.4	37
104	Anodic Deposition of Enantiopure Hexahelicene Layers. *ChemElectroChem*, **2018**, 5, 2080-2088	4.3	9
103	Two-Photon Absorption and Two-Photon Circular Dichroism of a Hexahelicene Derivative with a Terminal Donor-Phenyl-Acceptor Motif. *Journal of Physical Chemistry A*, **2018**, 122, 3365-3373	2.8	12
102	Dual Redox and Optical Control of Chiroptical Activity in Photochromic Dithienylethenes Decorated with Hexahelicene and Bis-Ethynyl-Ruthenium Units. *Organometallics*, **2018**, 37, 697-705	3.8	22
101	Redox-Active Chiroptical Switching in Mono- and Bis-Iron Ethynylcarbo[6]helicenes Studied by Electronic and Vibrational Circular Dichroism and Resonance Raman Optical Activity. *Chemistry - A European Journal*, **2018**, 24, 15067-15079	4.8	19
100	Helicenes Grafted with 1,1,4,4-Tetracyanobutadiene Moieties: Helical Push-Pull Systems with Strong Electronic Circular Dichroism and Two-Photon Absorption. *Chemistry - A European Journal*, **2018**, 24, 14484-14494	4.8	19
99	Visible Light Chiral Photoinitiator for Radical Polymerization and Synthesis of Polymeric Films with Strong Chiroptical Activity. *Macromolecules*, **2018**, 51, 5628-5637	5.5	28
98	Light-Responsive Pyrazine-Based Systems: Probing Aromatic Diarylethene Photocyclization. *Journal of Physical Chemistry C*, **2018**, 122, 19100-19109	3.8	10
97	Synthesis of Carbo[6]helicene Derivatives Grafted with Amino or Aminoester Substituents from Enantiopure [6]Helicenyl Boronates. *Journal of Organic Chemistry*, **2018**, 83, 484-490	4.2	14
96	An oxorhenium complex bearing a chiral cyclohexane-1-olato-2-thiolato ligand: Synthesis, stereochemistry, and theoretical study of parity violation vibrational frequency shifts. *Chirality*, **2018**, 30, 147-156	2.1	5
95	Exciton coupling in diketopyrrolopyrrole-helicene derivatives leads to red and near-infrared circularly polarized luminescence. *Chemical Science*, **2018**, 9, 735-742	9.4	82
94	Slow Relaxation of the Magnetization in Bis-Decorated Chiral Helicene-Based Coordination Complexes of Lanthanides. *Magnetochemistry*, **2018**, 4, 39	3.1	10
93	Chiral multifunctional molecules based on organometallic helicenes: Recent advances. *Coordination Chemistry Reviews*, **2018**, 376, 533-547	23.2	56
92	Redox-triggered chiroptical switching activity of ruthenium(III)-bis-(diketonato) complexes bearing a bipyridine-helicene ligand. *Chirality*, **2018**, 30, 592-601	2.1	10
91	Chiral Transmission to Cationic Polycobaltocenes over Multiple Length Scales Using Anionic Surfactants. *Journal of the American Chemical Society*, **2018**, 140, 7222-7231	16.4	10
90	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic N-Heterocyclic Carbene and Displaying Long-Lived Circularly Polarized Phosphorescence. *Angewandte Chemie - International Edition*, **2017**, 56, 8236-8239	16.4	110
89	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic N-Heterocyclic Carbene and Displaying Long-Lived Circularly Polarized Phosphorescence. *Angewandte Chemie*, **2017**, 129, 8348-8351	3.6	35

88	Asymmetric Sequential Cu-Catalyzed 1,6/1,4-Conjugate Additions of Hard Nucleophiles to Cyclic Dienones: Determination of Absolute Configurations and Origins of Enantioselectivity. *Chemistry - A European Journal*, **2017**, 23, 7515-7525	4.8	12
87	Synthesis, Spectroelectrochemical Behavior, and Chiroptical Switching of Tris(β-diketonato) Complexes of Ruthenium(III), Chromium(III), and Cobalt(III). *Inorganic Chemistry*, **2017**, 56, 4556-4568	5.1	18
86	Enantiopure versus Racemic Naphthalimide End-Capped Helicenic Non-fullerene Electron Acceptors: Impact on Organic Photovoltaics Performance. *Chemistry - A European Journal*, **2017**, 23, 6277-6281	4.8	47
85	Triplet state CPL active helicene-dithiolene platinum bipyridine complexes. *Chemical Communications*, **2017**, 53, 9210-9213	5.8	39
84	Synthesis and Chiroptical Properties of Hexa-, Octa-, and Deca-azaborahelicenes: Influence of Helicene Size and of the Number of Boron Atoms. *Chemistry - A European Journal*, **2017**, 23, 407-418	4.8	68
83	Triggering Emission with the Helical Turn in Thiadiazole-Helicenes. *Chemistry - A European Journal*, **2017**, 23, 437-446	4.8	31
82	Slow Magnetic Relaxation in Chiral Helicene-Based Coordination Complex of Dysprosium. *Magnetochemistry*, **2017**, 3, 2	3.1	13
81	Improved slow magnetic relaxation in optically pure helicene-based Dy single molecule magnets. *Chemical Communications*, **2016**, 52, 14474-14477	5.8	41
80	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. *Angewandte Chemie - International Edition*, **2016**, 55, 8062-6	16.4	55
79	Electronic and chiroptical properties of chiral cycloiridiated complexes bearing helicenic NHC ligands. *Chemical Communications*, **2016**, 52, 9243-6	5.8	22
78	Helicene-based chiroptical switches. *Comptes Rendus Chimie*, **2016**, 19, 39-49	2.7	96
77	Conformational changes and chiroptical switching of enantiopure bis-helicenic terpyridine upon Zn(2+) binding. *Chemical Communications*, **2016**, 52, 5932-5	5.8	69
76	Synthesis and Structural Properties of Aza[n]helicene Platinum Complexes: Control of Cis and Trans Stereochemistry. *Inorganic Chemistry*, **2016**, 55, 2009-17	5.1	9
75	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. *Angewandte Chemie*, **2016**, 128, 8194-8198	3.6	22
74	Large-Scale Synthesis of Helicene-Like Molecules for the Design of Enantiopure Thin Films with Strong Chiroptical Activity. *Chemistry - A European Journal*, **2016**, 22, 3333-3346	4.8	20
73	Bimetallic Gold(I) Complexes with Ethynyl-Helicene and Bis-Phosphole Ligands: Understanding the Role of Aurophilic Interactions in their Chiroptical Properties. *Chemistry - A European Journal*, **2016**, 22, 6075-86	4.8	14
72	Attrition-induced spontaneous chiral amplification of the polymorphic modification of glycine. *CrystEngComm*, **2015**, 17, 1513-1517	3.3	14
71	Acid/base-triggered switching of circularly polarized luminescence and electronic circular dichroism in organic and organometallic helicenes. *Chemistry - A European Journal*, **2015**, 21, 1673-81	4.8	126

70	Enantioseparation on Riboflavin Derivatives Chemically Bonded to Silica Gel as Chiral Stationary Phases for HPLC. *Chirality*, **2015**, 27, 507-17	2.1	8
69	Ruthenium-Grafted Vinylhelicenes: Chiroptical Properties and Redox Switching. *Chemistry - A European Journal*, **2015**, 21, 17100-15	4.8	38
68	The near infra red (NIR) chiroptical properties of nickel dithiolene complexes. *New Journal of Chemistry*, **2015**, 39, 122-129	3.6	10
67	Two-photon absorption and two-photon circular dichroism of hexahelicene derivatives: a study of the effect of the nature of intramolecular charge transfer. *RSC Advances*, **2015**, 5, 17429-17437	3.7	26
66	enantio-Enriched CPL-active helicene-bipyridine-rhenium complexes. *Chemical Communications*, **2015**, 51, 3754-7	5.8	70
65	A racemic and enantiopure unsymmetric diiron(III) complex with a chiral o-carborane-based pyridylalcohol ligand: combined chiroptical, magnetic, and nonlinear optical properties. *Chemistry - A European Journal*, **2014**, 20, 1081-90	4.8	18
64	Helicene-based transition metal complexes: synthesis, properties and applications. *Chemical Science*, **2014**, 5, 3680	9.4	160
63	Synthesis and chiral recognition ability of helical polyacetylenes bearing helicene pendants. *Polymer Chemistry*, **2014**, 5, 4909	4.9	77
62	Helicene-grafted vinyl- and carbene-osmium complexes: an example of acid-base chiroptical switching. *Chemical Communications*, **2014**, 50, 2854-6	5.8	33
61	Helicene quinones: redox-triggered chiroptical switching and chiral recognition of the semiquinone radical anion lithium salt by electron nuclear double resonance spectroscopy. *Journal of the American Chemical Society*, **2014**, 136, 13045-52	16.4	103
60	Dissymmetrical U-shaped π-stacked supramolecular assemblies by using a dinuclear Cu(I) clip with organophosphorus ligands and monotopic fully π-conjugated ligands. *Chemistry - A European Journal*, **2014**, 20, 14853-67	4.8	21
59	Aza[6]helicene platinum complexes: chirality control of cis-trans isomerism. *Angewandte Chemie - International Edition*, **2014**, 53, 5786-90	16.4	26
58	Straightforward access to mono- and bis-cycloplatinated helicenes that display circularly polarized phosphorescence using crystallization resolution methods. *Chemical Science*, **2014**, 5, 1915-1927	9.4	99
57	Aza[6]helicene Platinum Complexes: Chirality Control of cis–trans Isomerism. *Angewandte Chemie*, **2014**, 126, 5896-5900	3.6	9
56	Ethylenedithio-tetrathiafulvalene-helicenes: electroactive helical precursors with switchable chiroptical properties. *Chemistry - A European Journal*, **2013**, 19, 13160-7	4.8	63
55	Chiroptical properties of carbo[6]helicene derivatives bearing extended π-conjugated cyano substituents. *Chirality*, **2013**, 25, 455-65	2.1	31
54	A chiral rhenium complex with predicted high parity violation effects: synthesis, stereochemical characterization by VCD spectroscopy and quantum chemical calculations. *Physical Chemistry Chemical Physics*, **2013**, 15, 10952-9	3.6	18
53	Assembly of helicene-capped N,P,N,P,N-helicands within Cu(I) helicates: impacting chiroptical properties by ligand-ligand charge transfer. *Angewandte Chemie - International Edition*, **2013**, 52, 1968-72	16.4	37

52	Diastereo- and enantioselective synthesis of organometallic bis(helicene)s by a combination of C-H activation and dynamic isomerization. *Chemistry - A European Journal*, **2013**, 19, 16722-8	4.8	27
51	Assembly of Helicene-Capped N,P,N,P,N-Helicands within CuI Helicates: Impacting Chiroptical Properties by Ligand□ligand Charge Transfer. *Angewandte Chemie*, **2013**, 125, 2022-2026	3.6	16
50	Transfer of chirality from ligands to metal centers: recent examples. *Chemical Communications*, **2012**, 48, 9684-92	5.8	158
49	Rhenium complexes bearing phosphole-pyridine chelates: simple molecules with large chiroptical properties. *Chemical Communications*, **2012**, 48, 6705-7	5.8	8
48	Ruthenium-vinylhelicenes: remote metal-based enhancement and redox switching of the chiroptical properties of a helicene core. *Journal of the American Chemical Society*, **2012**, 134, 15628-31	16.4	108
47	Circular differential scattering of polarized light by a chiral random medium. *Physical Review A*, **2012**, 85,	2.6	7
46	High resolution spectroscopy of methyltrioxorhenium: towards the observation of parity violation in chiral molecules. *Physical Chemistry Chemical Physics*, **2011**, 13, 854-63	3.6	20
45	From hetero- to homochiral bis(metallahelicene)s based on a Pt(III)-Pt(III) bonded scaffold: isomerization, structure, and chiroptical properties. *Journal of the American Chemical Society*, **2011**, 133, 3800-3	16.4	75
44	New chiral cyclooctatriene-based polycyclic architectures. *Organic Letters*, **2011**, 13, 4450-3	6.2	8
43	Chiral and extended □conjugated bis(2-pyridyl)phospholes as assembling N,P,N pincers for coordination-driven synthesis of supramolecular [2,2]paracyclophane analogues. *Chemistry - A European Journal*, **2011**, 17, 1337-51	4.8	40
42	Multifunctional and reactive enantiopure organometallic helicenes: tuning chiroptical properties by structural variations of mono- and bis(platinahelicene)s. *Chemistry - A European Journal*, **2011**, 17, 14178-98	4.8	56
41	Chiral oxorhenium(V) complexes as candidates for the experimental observation of molecular parity violation: a structural, synthetic and theoretical study. *Physical Chemistry Chemical Physics*, **2010**, 12, 8792-803	3.6	18
40	Regioselectivity in Tether-Directed Remote Functionalization □The Addition of a Cyclotriveratrylene-Based Trimalonate to C60 Revisited. *European Journal of Organic Chemistry*, **2010**, 2010, n/a-n/a	3.2	4
39	Progress toward the first observation of parity violation in chiral molecules by high-resolution laser spectroscopy. *Chirality*, **2010**, 22, 870-84	2.1	105
38	In memory of Professor Andr□Collet. *Chirality*, **2010**, 22, 863-863	2.1	
37	Assembly of pi-conjugated phosphole azahelicene derivatives into chiral coordination complexes: an experimental and theoretical study. *Chemistry - A European Journal*, **2010**, 16, 5976-6005	4.8	75
36	Metallahelicenes: Easily Accessible Helicene Derivatives with Large and Tunable Chiroptical Properties. *Angewandte Chemie*, **2010**, 122, 103-106	3.6	40
35	Metallahelicenes: easily accessible helicene derivatives with large and tunable chiroptical properties. *Angewandte Chemie - International Edition*, **2010**, 49, 99-102	16.4	126

34	Chiral transfer in coordination complexes: towards molecular materials. *Chemical Society Reviews*, **2009**, 38, 830-45	58.5	337
33	Synthesis and analytical resolution of chiral pyrazoles derived from (5R)-dihydrocarvone. *New Journal of Chemistry*, **2009**, 33, 293-299	3.6	12
32	Pressure-controlled aggregation in carboxylic acids. A case study on the polymorphism of bromochlorofluoroacetic acid. *CrystEngComm*, **2009**, 11, 2668	3.3	26
31	Metal-bis(helicene) assemblies incorporating pi-conjugated phosphole-azahelicene ligands: impacting chiroptical properties by metal variation. *Journal of the American Chemical Society*, **2009**, 131, 3183-5	16.4	120
30	Subtle chirality in oxo- and sulfidorhenium(v) complexes. *Chemical Communications*, **2009**, 4841-3	5.8	20
29	pi-Conjugated phosphole derivatives: synthesis, optoelectronic functions and coordination chemistry. *Dalton Transactions*, **2008**, 6865-76	4.3	170
28	Stereoselective coordination of ditopic phospholyl-azahelicenes: a novel approach towards structural diversity in chiral pi-conjugated assemblies. *Chemical Communications*, **2008**, 850-2	5.8	37
27	HPLC separation and VCD spectroscopy of chiral pyrazoles derived from (5R)-dihydrocarvone. *Tetrahedron: Asymmetry*, **2007**, 18, 1911-1917		10
26	Chlorofluoroiodomethane as a potential candidate for parity violation measurements. *Physical Chemistry Chemical Physics*, **2006**, 8, 79-92	3.6	46
25	Synthesis and vibrational circular dichroism of enantiopure chiral oxorhenium(V) complexes containing the hydrotris(1-pyrazolyl)borate ligand. *Inorganic Chemistry*, **2006**, 45, 10230-9	5.1	28
24	Chiral trialkanolamine-based hemicryptophanes: synthesis and oxovanadium complex. *Organic Letters*, **2005**, 7, 1207-10	6.2	63
23	Recent experimental and theoretical developments towards the observation of parity violation (PV) effects in molecules by spectroscopy. *Organic and Biomolecular Chemistry*, **2005**, 3, 2218-24	3.9	73
22	The chiral molecule CHClFI: first determination of its molecular parameters by Fourier transform microwave and millimeter-wave spectroscopies supplemented by ab initio calculations. *Journal of Physical Chemistry A*, **2005**, 109, 5708-16	2.8	14
21	Circularly-induced (2) grating in the CHBrClF incorporated within the olygoetheracrylate photopolymer matrices. *Materials Letters*, **2005**, 59, 1849-1852	3.3	3
20	Absolute configuration of C76 from optical rotatory dispersion. *ChemPhysChem*, **2005**, 6, 2535-40	3.2	30
19	Gas-chromatographic separation of tri(hetero)halogenomethane enantiomers. *Chirality*, **2005**, 17, 488-93	2.1	23
18	Electrogyration in CHBrClF chromophores stimulated by circularly polarized light. *Journal of Modern Optics*, **2005**, 52, 1743-1750	1.1	
17	Preparation of (+)-chlorofluoroiodomethane, determination of its enantiomeric excess and of its absolute configuration. *Tetrahedron: Asymmetry*, **2004**, 15, 1995-2001		30

16	Search for resolution of chiral fluorohalogenomethanes and parity-violation effects at the molecular level. *ChemPhysChem*, **2003**, 4, 541-8	3.2	41
15	Dynamics of CHFClBr and CDFClBr Inside a Thiomethylated Cryptophane, Studied by 19F−1H CSA-DD Cross-Correlated Relaxation and 2H Quadrupolar Relaxation Measurements. *Journal of Physical Chemistry A*, **2003**, 107, 10233-10240	2.8	18
14	Resolution and absolute configuration of bromofluoroacetic acid. *Tetrahedron: Asymmetry*, **2002**, 13, 975-981		7
13	Regioselective One-Step Synthesis and Topological Chirality of trans-3, trans-3,trans-3 and e,e,e [60]Fullerene-Cyclotriveratrylene Tris-adducts: Discussion on a Topological meso-Form. *Helvetica Chimica Acta*, **2000**, 83, 1209-1223	2	14
12	Die Chemie von C84: Trennung von drei Konstitutionsisomeren des Fullerens C84 und der Enantiomere von D2-C84 durch die Bingel-Retro-Bingel-Strategie. *Angewandte Chemie*, **1999**, 111, 1716-1721	3.6	20
11	Chemistry of C : Separation of Three Constitutional Isomers and Optical Resolution of D -C by Using the "Bingel-Retro-Bingel" Strategy. *Angewandte Chemie - International Edition*, **1999**, 38, 1613-1617	16.4	87
10	Regioselective one-step synthesis of trans-3,trans-3,trans-3 and e,e,e [60]fullerene tris-adducts directed by a C3-symmetrical cyclotriveratrylene tether. *Chemical Communications*, **1999**, 1121-1122	5.8	35
9	Herstellung von enantiomerenreinem C76 durch Retro-Bingel-Reaktion. *Angewandte Chemie*, **1998**, 110, 2022-2025	3.6	30
8	Preparation of Enantiomerically Pure C76 with a General Electrochemical Method for the Removal of Di(alkoxycarbonyl)methano Bridges from Methanofullerenes: The Retro-Bingel Reaction. *Angewandte Chemie - International Edition*, **1998**, 37, 1919-1922	16.4	99
7	Absolute configuration of chiral fullerenes and covalent derivatives from their calculated circular dichroism spectra. *Journal of the Chemical Society Perkin Transactions II*, **1998**, 1719-1724		39
6	Redox Characteristics of Covalent Derivatives of the Higher Fullerenes C70, C76, and C78. *Journal of the American Chemical Society*, **1998**, 120, 7860-7868	16.4	77
5	A Thermostable Microbial Enzyme for Fast Preparative Organic Chemistry: The Preparation of (R-(+)-1-Phenylethanol from (+/)-1-Phenylethyl Pentanoate and n-Butanol. *Journal of Chemical Education*, **1997**, 74, 992	2.4	5
4	Absolute Configuration of Bromochlorofluoromethane from Molecular Dynamics Simulation of Its Enantioselective Complexation by Cryptophane-C. *Journal of the American Chemical Society*, **1997**, 119, 3818-3823	16.4	67
3	Absolute Configuration of Bromochlorofluoromethane from Experimental and Ab Initio Theoretical Vibrational Raman Optical Activity. *Angewandte Chemie International Edition in English*, **1997**, 36, 885-887		151
2	Key intermediates in cyclotriveratrylene chemistry: A new route to the enantiomers of C3-cyclotriphenolene and cryptophane-C **1997**, 9, 446		1
1	Gas chromatographic enantiomer separation of bromochlorofluoromethane. *Tetrahedron: Asymmetry*, **1995**, 6, 87-88		26