Nicolas Vanthuyne

List of Publications by Year
in descending order

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264	7,493	53794 45	88630 70
papers	citations	h-index	g-index

292	292	292	5830
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enantioselective Syntheses of Furan Atropisomers by an Oxidative Central-to-Axial Chirality Conversion Strategy. Journal of the American Chemical Society, 2017, 139, 2140-2143.	13.7	195
2	Acid/Baseâ€Triggered Switching of Circularly Polarized Luminescence and Electronic Circular Dichroism in Organic and Organometallic Helicenes. Chemistry - A European Journal, 2015, 21, 1673-1681.	3.3	166
3	Combining Organocatalysis with Centralâ€toâ€Axial Chirality Conversion: Atroposelective Hantzschâ€Type Synthesis of 4â€Arylpyridines. Angewandte Chemie - International Edition, 2016, 55, 1401-1405.	13.8	150
4	Chiral Nanographene Propeller Embedding Six Enantiomerically Stable [5]Helicene Units. Journal of the American Chemical Society, 2017, 139, 18508-18511.	13.7	146
5	Metallahelicenes: Easily Accessible Helicene Derivatives with Large and Tunable Chiroptical Properties. Angewandte Chemie - International Edition, 2010, 49, 99-102.	13.8	144
6	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic Nâ€Heterocyclic Carbene and Displaying Longâ€Lived Circularly Polarized Phosphorescence. Angewandte Chemie - International Edition, 2017, 56, 8236-8239.	13.8	143
7	Controlling Chirality and Optical Properties of Artificial Antenna Systems with Self-Assembling Porphyrins. Angewandte Chemie - International Edition, 2003, 42, 2140-2144.	13.8	140
8	Straightforward access to mono- and bis-cycloplatinated helicenes displaying circularly polarized phosphorescence by using crystallization resolution methods. Chemical Science, 2014, 5, 1915.	7.4	140
9	Metalâ˜Bis(helicene) Assemblies Incorporating Ï€-Conjugated Phosphole-Azahelicene Ligands: Impacting Chiroptical Properties by Metal Variation. Journal of the American Chemical Society, 2009, 131, 3183-3185.	13.7	127
10	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, 15628-15631.	13.7	126
11	Exciton coupling in diketopyrrolopyrroleâ€“helicene derivatives leads to red and near-infrared circularly polarized luminescence. Chemical Science, 2018, 9, 735-742.	7.4	122
12	Chiral liquid chromatography contribution to the determination of the absolute configuration of enantiomers. Journal of Chromatography A, 2004, 1037, 311-328.	3.7	110
13	Achieving high circularly polarized luminescence with pushâ€“pull helicenic systems: from rationalized design to top-emission CP-OLED applications. Chemical Science, 2021, 12, 5522-5533.	7.4	106
14	Synthesis and Chiroptical Properties of Hexaâ€, Octaâ€, and Decaâ€azaborahelicenes: Influence of Helicene Size and of the Number of Boron Atoms. Chemistry - A European Journal, 2017, 23, 407-418.	3.3	102
15	Synthesis and chiral recognition ability of helical polyacetylenes bearing helicene pendants. Polymer Chemistry, 2014, 5, 4909.	3.9	97
16	Dynamic Kinetic Resolution of Amines Involving Biocatalysis and in Situ Free Radical Mediated Racemization. Organic Letters, 2007, 9, 837-839.	4.6	93
17	enantio-Enriched CPL-active heliceneâ€“bipyridineâ€“rhenium complexes. Chemical Communications, 2015, 51, 3754-3757.	4.1	91
18	Atropisomerism and Axial Chirality in Heteroaromatic Compounds. Advances in Heterocyclic Chemistry, 2012, , 1-188.	1.7	84

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19	Conformational changes and chiroptical switching of enantiopure bis-helicenic terpyridine upon Zn²⁺ binding. Chemical Communications, 2016, 52, 5932-5935.	4.1	83
20	Structural Characterization of Artificial Self-Assembling Porphyrins That Mimic the Natural Chlorosomal Bacteriochlorophyllsc,d, ande. Chemistry - A European Journal, 2005, 11, 2267-2275.	3.3	80
21	Modulation of circularly polarized luminescence through excited-state symmetry breaking and interbranched exciton coupling in helical pushâ€“pull organic systems. Chemical Science, 2020, 11, 567-576.	7.4	79
22	From Hetero- to Homochiral Bis(metallahelicene)s Based on a Pt^{III}â^'Pt^{III} Bonded Scaffold: Isomerization, Structure, and Chiroptical Properties. Journal of the American Chemical Society, 2011, 133, 3800-3803.	13.7	78
23	Ethylenedithioï£¿Tetrathiafulvaleneï£¿Helicenes: Electroactive Helical Precursors with Switchable Chiroptical Properties. Chemistry - A European Journal, 2013, 19, 13160-13167.	3.3	73
24	Iron Alkynyl Helicenes: Redoxâ€Triggered Chiroptical Tuning in the IR and Nearâ€IR Spectral Regions and Suitable for Telecommunications Applications. Angewandte Chemie - International Edition, 2016, 55, 8062-8066.	13.8	71
25	Triplet state CPL active heliceneâ€“dithiolene platinum bipyridine complexes. Chemical Communications, 2017, 53, 9210-9213.	4.1	69
26	Chirality in Dynamic Supramolecular Nanotubes Induced by a Chiral Solvent. Chemistry - A European Journal, 2010, 16, 173-177.	3.3	68
27	Combining Organocatalysis with Centralâ€toâ€Axial Chirality Conversion: Atroposelective Hantzschâ€Type Synthesis of 4â€Arylpyridines. Angewandte Chemie, 2016, 128, 1423-1427.	2.0	68
28	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. Angewandte Chemie - International Edition, 2020, 59, 3264-3271.	13.8	67
29	Thiyl Radical Mediated Racemization of Nonactivated Aliphatic Amines. Journal of Organic Chemistry, 2006, 71, 7288-7292.	3.2	64
30	Longâ€Lived Circularly Polarized Phosphorescence in Heliceneâ€NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. Angewandte Chemie - International Edition, 2020, 59, 8394-8400.	13.8	64
31	Dialkylzinc mediated radical additions to chiral N-enoyloxazolidinones in the presence of benzaldehyde. Mechanistic investigation, structural characterization of the resulting Î³-lactones. Tetrahedron, 2005, 61, 4261-4274.	1.9	63
32	Multifunctional and Reactive Enantiopure Organometallic Helicenes: Tuning Chiroptical Properties by Structural Variations of Monoâ€and Bis(platinahelicene)s. Chemistry - A European Journal, 2011, 17, 14178-14198.	3.3	62
33	Artificial Chiral Metallo-pockets Including a Single Metal Serving as Structural Probe and Catalytic Center. CheM, 2017, 3, 174-191.	11.7	62
34	Highly Selective Enzymatic Kinetic Resolution of Primary Amines at 80 Â°C:â€‰ A Comparative Study of Carboxylic Acids and Their Ethyl Esters as Acyl Donors. Journal of Organic Chemistry, 2007, 72, 6918-6923.	3.2	59
35	Î±,Î²-Unsaturated diesters: radical acceptors in dialkylzinc-mediated tandem radical addition/aldol condensation. A straightforward synthesis of rac-nephrosteranic acid. Tetrahedron, 2007, 63, 77-85.	1.9	59
36	H-Adamantylphosphinates as Universal Precursors of P-Stereogenic Compounds. Journal of Organic Chemistry, 2015, 80, 4132-4141.	3.2	56

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37	Anisotropic Organization and Microscopic Manipulation of Self-Assembling Synthetic Porphyrin Microrods That Mimic Chlorosomes: Bacterial Light-Harvesting Systems. Journal of the American Chemical Society, 2012, 134, 944-954.	13.7	55
38	Steric Scale of Common Substituents from Rotational Barriers ofN-(o-Substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	3.2	54
39	True or apparent reversal of elution order during chiral high-performance liquid chromatography monitored by a polarimetric detector under different mobile phase conditions. Journal of Chromatography A, 2003, 995, 79-85.	3.7	53
40	Mutual Monomer Orientation To Bias the Supramolecular Polymerization of [6]Helicenes and the Resulting Circularly Polarized Light and Spin Filtering Properties. Journal of the American Chemical Society, 2022, 144, 7709-7719.	13.7	53
41	Green Self-Assembling Porphyrins and Chlorins as Mimics of the Natural Bacteriochlorophyllsc,d, ande. European Journal of Organic Chemistry, 2004, 2004, 3919-3930.	2.4	51
42	Chemoenzymatic Dynamic Kinetic Resolution of Primary Amines Catalyzed by CAL-B at 38â€“40 Â°C. Journal of Organic Chemistry, 2011, 76, 7281-7286.	3.2	51
43	Atropisomerism in the 2-Arylimino-N-(2-hydroxyphenyl)thiazoline Series:â€‰ Influence of Hydrogen Bonding on the Racemization Process. Journal of Organic Chemistry, 2008, 73, 403-411.	3.2	50
44	Bis-4-aza[6]helicene: A Bis-helicenic 2,2â€²-Bipyridine with Chemically Triggered Chiroptical Switching Activity. Journal of Organic Chemistry, 2019, 84, 5383-5393.	3.2	50
45	Enhancement of electrocatalytic oxygen evolution by chiral molecular functionalization of hybrid 2D electrodes. Nature Communications, 2022, 13, .	12.8	48
46	New 1,4-Dihydropyridines Endowed with NO-Donor and Calcium Channel Agonist Properties. Journal of Medicinal Chemistry, 2004, 47, 2688-2693.	6.4	46
47	Tuning the nature and stability of self-assemblies formed by ester benzene 1,3,5-tricarboxamides: the crucial role played by the substituents. Soft Matter, 2016, 12, 7824-7838.	2.7	45
48	En Route to (S)-Selective Chemoenzymatic Dynamic Kinetic Resolution of Aliphatic Amines. One-Pot KR/Racemization/KR Sequence Leading to (S)-Amides. Journal of Organic Chemistry, 2009, 74, 2901-2903.	3.2	43
49	Rutheniumâ€Grafted Vinylhelicenes: Chiroptical Properties and Redox Switching. Chemistry - A European Journal, 2015, 21, 17100-17115.	3.3	43
50	Cyclobishelicenes: Shapeâ€Persistent Figureâ€Eight Aromatic Molecules with Promising Chiroptical Properties. Chemistry - A European Journal, 2019, 25, 14364-14369.	3.3	43
51	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic Nâ€Heterocyclic Carbene and Displaying Longâ€Lived Circularly Polarized Phosphorescence. Angewandte Chemie, 2017, 129, 8348-8351.	2.0	42
52	Triggering Emission with the Helical Turn in Thiadiazoleâ€Helicenes. Chemistry - A European Journal, 2017, 23, 437-446.	3.3	42
53	Axially and Helically Chiral Cationic Radical Bicarbazoles: SOMOâ€“HOMO Level Inversion and Chirality Impact on the Stability of Mono- and Diradical Cations. Journal of the American Chemical Society, 2020, 142, 20409-20418.	13.7	42
54	Ridge-Tile-like Chiral Topology: Synthesis, Resolution, and Complete Chiroptical Characterization of Enantiomers of Edge-Sharing Binuclear Square Planar Complexes of Ni(II) Bearing Achiral Ligands. Journal of the American Chemical Society, 2010, 132, 10477-10483.	13.7	41

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55	Assembly of Heliceneâ€Capped N,P,N,P,Nâ€Helicands within Cu^I Helicates: Impacting Chiroptical Properties by Ligandâ€“Ligand Charge Transfer. Angewandte Chemie - International Edition, 2013, 52, 1968-1972.	13.8	41
56	New Selective Phosphodiesterase 4D Inhibitors Differently Acting on Long, Short, and Supershort Isoforms. Journal of Medicinal Chemistry, 2009, 52, 6546-6557.	6.4	40
57	Memory of Chirality in Cascade Rearrangements of Enediynes. Journal of the American Chemical Society, 2010, 132, 14742-14744.	13.7	40
58	Visible Light Chiral Photoinitiator for Radical Polymerization and Synthesis of Polymeric Films with Strong Chiroptical Activity. Macromolecules, 2018, 51, 5628-5637.	4.8	40
59	Thiyl Radical Mediated Racemization of Benzylic Amines. European Journal of Organic Chemistry, 2006, 2006, 3242-3250.	2.4	39
60	Revisiting the assembly of amino ester-based benzene-1,3,5-tricarboxamides: chiral rods in solution. Chemical Communications, 2015, 51, 7397-7400.	4.1	39
61	From Prochiral N-Heterocyclic Carbenes to Optically Pure Metal Complexes: New Opportunities in Asymmetric Catalysis. Journal of the American Chemical Society, 2020, 142, 93-98.	13.7	39
62	Î²-Cyclodextrinâ€“NHCâ€“Gold(I) Complex (Î²-ICyD)AuCl: A Chiral Nanoreactor for Enantioselective and Substrate-Selective Alkoxycyclization Reactions. ACS Catalysis, 2020, 10, 5964-5972.	11.2	39
63	Novel chromatographic resolution of chiral diacylglycerols and analysis of the stereoselective hydrolysis of triacylglycerols by lipases. Analytical Biochemistry, 2008, 375, 196-208.	2.4	38
64	Copper Carbenoid, Reactant and Catalyst for Oneâ€Pot Diazo Ester Coupling Cascade Rearrangement of Enediynes: Formation of Two Contiguous Tetrasubstituted Stereocenters. Advanced Synthesis and Catalysis, 2012, 354, 1987-2000.	4.3	38
65	Helicene-grafted vinyl- and carbene-osmium complexes: an example of acidâ€“base chiroptical switching. Chemical Communications, 2014, 50, 2854-2856.	4.1	38
66	Non-racemic atropisomeric (thio)ureas as neutral enantioselective anion receptors for amino-acid derivatives: Origin of smallerKasswith thiourea than urea derivatives. Chirality, 2006, 18, 762-771.	2.6	36
67	Persistent Mixedâ€Valence [(TTF)₂]^{+.} Dyad of a Chiral Bis(binaphthol)â€“tetrathiafulvalene (TTF) Derivative. Chemistry - A European Journal, 2010, 16, 8020-8028.	3.3	36
68	One-pot CrabbÃ© homologation-radical cascade cyclisation with memory of chirality. Chemical Communications, 2012, 48, 2549.	4.1	36
69	Chiroptical Properties of Carbo[6]Helicene Derivatives Bearing Extended Ï€â€Conjugated Cyano Substituents. Chirality, 2013, 25, 455-465.	2.6	36
70	Simultaneous Control of Central and Helical Chiralities: Expedient Helicoselective Synthesis of Dioxa[6]helicenes. Journal of the American Chemical Society, 2020, 142, 16199-16204.	13.7	36
71	Highly Efficient Photochemically Induced Thiyl Radical-Mediated Racemization of Aliphatic Amines at 30 Â°C. Journal of Organic Chemistry, 2008, 73, 364-368.	3.2	35
72	Double Transfer of Chirality in Organocopperâ€Mediated bis(Alkylating) Cycloisomerization of Enediynes. Angewandte Chemie - International Edition, 2014, 53, 3227-3231.	13.8	35

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73	Aza[6]helicene Platinum Complexes: Chirality Control of cisâ€“trans Isomerism. Angewandte Chemie - International Edition, 2014, 53, 5786-5790.	13.8	35
74	Merging hypervalent iodine and sulfoximine chemistry: a new electrophilic trifluoromethylation reagent. Chemical Science, 2019, 10, 10516-10523.	7.4	34
75	Optically Pure C₁-Symmetric Cyclic(alkyl)(amino)carbene Ruthenium Complexes for Asymmetric Olefin Metathesis. Journal of the American Chemical Society, 2020, 142, 19895-19901.	13.7	34
76	Switching from (R)- to (S)-selective chemoenzymatic DKR of amines involving sulfanyl radical-mediated racemization. Organic and Biomolecular Chemistry, 2010, 8, 4165.	2.8	32
77	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.	3.6	32
78	Chiral Atropisomeric Indenocorannulene Bowls: Critique of the Cahnâ€“Ingoldâ€“Prelog Conception of Molecular Chirality. Angewandte Chemie - International Edition, 2018, 57, 6470-6474.	13.8	32
79	Synthesis, Chiral Separation, Barrier to Rotation and Absolute Configuration of N-(O-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5 Chemistry, 2005, 2, 433-443.	0.5	31
80	Mimics of the Self-Assembling Chlorosomal Bacteriochlorophylls: Regio- and Stereoselective Synthesis and Stereoanalysis of Acyl(1-hydroxyalkyl)porphyrins. Journal of the American Chemical Society, 2009, 131, 14480-14492.	13.7	31
81	Electronic and chiroptical properties of chiral cycloiridiated complexes bearing helicenic NHC ligands. Chemical Communications, 2016, 52, 9243-9246.	4.1	30
82	A helical naphthopyran dopant for photoresponsive cholesteric liquid crystals. Chemical Communications, 2017, 53, 200-203.	4.1	30
83	An Enantiopure Cyclometallated Iridium Complex Displaying Longâ€Lived Phosphorescence both in Solution and in the Solid State. Helvetica Chimica Acta, 2019, 102, e1900044.	1.6	30
84	Confining Nitrogen Inversion to Yield Enantiopure Quinolino[3,2,1â€k]Phenothiazine Derivatives. Advanced Functional Materials, 2018, 28, 1803140.	14.9	29
85	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. Angewandte Chemie, 2020, 132, 3290-3297.	2.0	29
86	Synthesis and Vibrational Circular Dichroism of Enantiopure Chiral Oxorhenium(V) Complexes Containing the Hydrotris(1-pyrazolyl)borate Ligand. Inorganic Chemistry, 2006, 45, 10230-10239.	4.0	28
87	Enantioselective cyanosilylation of aldehydes catalysed by a diastereomeric mixture of atropisomeric thioureas. Tetrahedron: Asymmetry, 2006, 17, 999-1006.	1.8	28
88	Diastereoâ€•and Enantioselective Synthesis of Organometallic Bis(helicene)s by a Combination of Cï£¿H Activation and Dynamic Isomerization. Chemistry - A European Journal, 2013, 19, 16722-16728.	3.3	28
89	Synthesis, Structural Analysis, and Chiral Investigations of Some Atropisomers with EE-Tetrahalogeno-1,3-butadiene Core. Journal of Organic Chemistry, 2009, 74, 9062-9070.	3.2	27
90	Inherently chiral phosphonatocavitands as artificial chemo- and enantio-selective receptors of natural ammoniums. Organic and Biomolecular Chemistry, 2011, 9, 5086.	2.8	27

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91	Helicenes Grafted with 1,1,4,4â€Tetracyanobutadiene Moieties: Ï€â€Helical Pushâ€“Pull Systems with Strong Electronic Circular Dichroism and Twoâ€Photon Absorption. Chemistry - A European Journal, 2018, 24, 14484-14494.	3.3	27
92	Chiral separation of hesperidin and naringin and its analysis in a butanol extract ofLauneae arborescens. Natural Product Research, 2010, 24, 669-681.	1.8	26
93	Enantiomers of dimethyl [(2E)-1,3-diphenylprop-2-en-1-yl]propanedioate resulting from allylic alkylation reaction: Elution order on major high-performance liquid chromatography chiral columns. Journal of Chromatography A, 2012, 1269, 82-93.	3.7	26
94	The absolute configuration of an inherently chiral phosphonatocavitand and its use toward the enantioselective recognition of l-adrenaline. Tetrahedron: Asymmetry, 2010, 21, 1534-1541.	1.8	25
95	An efficient and recyclable hybrid nanocatalyst to promote enantioselective radical cascade rearrangements of enediynes. Chemical Communications, 2011, 47, 5286.	4.1	25
96	A Racemic and Enantiopure Unsymmetric Diiron(III) Complex with a Chiral oâ€Carboraneâ€Based Pyridylalcohol Ligand: Combined Chiroptical, Magnetic, and Nonlinear Optical Properties. Chemistry - A European Journal, 2014, 20, 1081-1090.	3.3	25
97	Iron Alkynyl Helicenes: Redoxâ€Triggered Chiroptical Tuning in the IR and Nearâ€IR Spectral Regions and Suitable for Telecommunications Applications. Angewandte Chemie, 2016, 128, 8194-8198.	2.0	25
98	A switchable dual organocatalytic system and the enantioselective total synthesis of the quadrane sesquiterpene suberosanone. Chemical Communications, 2016, 52, 6565-6568.	4.1	25
99	Absolute configuration and host-guest binding of chiral porphyrin-cages by a combined chiroptical and theoretical approach. Nature Communications, 2020, 11, 4776.	12.8	25
100	Nâˆ'C Axially Chiral Anilines: Electronic Effect on Barrier to Rotation and A Remote Proton Brake. Chemistry - A European Journal, 2018, 24, 4453-4458.	3.3	24
101	Chiral Diketopyrrolopyrrole-Helicene Polymer With Efficient Red Circularly Polarized Luminescence. Frontiers in Chemistry, 2020, 8, 237.	3.6	24
102	Circularly Polarized Fluorescent Heliceneâ€Boranils: Synthesis, Photophysical and Chiroptical Properties. Chemistry - A European Journal, 2021, 27, 7959-7967.	3.3	24
103	A curved host and second guest cooperatively inhibit the dynamic motion of corannulene. Nature Communications, 2021, 12, 4079.	12.8	24
104	Mechanistic Investigation of Enediyne-Connected Amino Ester Rearrangement. Theoretical Rationale for the Exclusive Preference for 1,6- or 1,5-Hydrogen Atom Transfer Depending on the Substrate. A Potential Route to Chiral Naphthoazepines. Journal of Organic Chemistry, 2012, 77, 2773-2783.	3.2	23
105	Synthesis of Allenes Bearing Phosphine Oxide Groups and Investigation of Their Reactivity toward Gold Complexes. Advanced Synthesis and Catalysis, 2015, 357, 2213-2218.	4.3	23
106	Chiroptical Properties of Cryptophane-223 and -233 Investigated by ECD, VCD, and ROA Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 8631-8639.	2.6	23
107	Largeâ€Scale Synthesis of Enantiopure Molecular Cages: Chiroptical and Recognition Properties. Chemistry - A European Journal, 2016, 22, 2068-2074.	3.3	23
108	(L)-(Trimethylsilyl)alanine synthesis exploiting hydroxypinanone-induced diastereoselective alkylation. Amino Acids, 2013, 45, 301-307.	2.7	22

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109	Longâ€Lived Circularly Polarized Phosphorescence in Heliceneâ€NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. Angewandte Chemie, 2020, 132, 8472-8478.	2.0	22
110	Subtle chirality in oxo- and sulfidorhenium(v) complexes. Chemical Communications, 2009, , 4841.	4.1	21
111	Stereospecific Synthesis of Î±â€•and Î²â€Hydroxyalkyl Pâ€Stereogenic Phosphineâ€“Boranes and Functionalized Derivatives: Evidence of the Pï£¾O Activation in the BH₃â€Mediated Reduction. Chemistry - A European Journal, 2015, 21, 15607-15621.	3.3	21
112	Tuning the structure of 1,3,5-benzene tricarboxamide self-assemblies through stereochemistry. Chemical Communications, 2016, 52, 13369-13372.	4.1	21
113	Analysis of the major chiral compounds of Artemisia herba-alba essential oils (EOs) using reconstructed vibrational circular dichroism (VCD) spectra: En route to a VCD chiral signature of EOs. Analytica Chimica Acta, 2016, 903, 121-130.	5.4	21
114	Molecular motor-functionalized porphyrin macrocycles. Nature Communications, 2020, 11, 5291.	12.8	21
115	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.	2.8	20
116	Chiroptical Properties of Nona- and Dodecamethoxy Cryptophanes. Journal of Organic Chemistry, 2014, 79, 6028-6036.	3.2	20
117	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.	3.2	19
118	Hit optimization studies of 3-hydroxy-indolin-2-one analogs as potential anti-HIV-1 agents. Bioorganic Chemistry, 2018, 79, 212-222.	4.1	19
119	Use of lipase-catalyzed kinetic resolution for the enantioselective approach toward sesquiterpenes containing quaternary centers: the cuparane family. Tetrahedron: Asymmetry, 2003, 14, 2413-2418.	1.8	18
120	N-Acyl glycinates as acyl donors in serine protease-catalyzed kinetic resolution of amines. Improvement of selectivity and reaction rate. Organic and Biomolecular Chemistry, 2008, 6, 3917.	2.8	18
121	Raman Optical Activity of Enantiopure Cryptophanes. Journal of Physical Chemistry B, 2014, 118, 5211-5217.	2.6	18
122	Bimetallic Gold(I) Complexes with Ethynylâ€Helicene and Bisâ€Phosphole Ligands: Understanding the Role of Aurophilic Interactions in their Chiroptical Properties. Chemistry - A European Journal, 2016, 22, 6075-6086.	3.3	18
123	Bis-phosphine allene ligand: coordination chemistry and preliminary applications in catalysis. Chemical Communications, 2016, 52, 6785-6788.	4.1	18
124	Synthesis, Resolution, and Absolute Configuration of Chiral Tris(2-pyridylmethyl)amine-Based Hemicryptophane Molecular Cages. Journal of Organic Chemistry, 2017, 82, 6082-6088.	3.2	18
125	Is Molecular Chirality Connected to Supramolecular Chirality? The Particular Case of Chiral 2-Pyridyl Alcohols. Crystal Growth and Design, 2015, 15, 935-945.	3.0	17
126	Nâ€“C Axially Chiral Compounds with an ortho-Fluoro Substituent and Steric Discrimination between Hydrogen and Fluorine Atoms Based on a Diastereoselective Model Reaction. Journal of Organic Chemistry, 2019, 84, 3169-3175.	3.2	17

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127	Enantio- and Substrate-Selective Recognition of Chiral Neurotransmitters with C₃-Symmetric Switchable Receptors. Organic Letters, 2020, 22, 891-895.	4.6	17
128	Separation of atropisomeric 1,4,5,6-tetrahydropyrimidinium salts by chiral HPLC and determination of their enantiomerization barriers. Journal of Chromatography A, 2005, 1069, 203-208.	3.7	16
129	Chromatographic Resolution, Solution and Crystal Phase Conformations, and Absolute Configuration oftert-Butyl(dimethylamino)phenylphosphineâ˜Borane Complex. Journal of Organic Chemistry, 2006, 71, 5586-5593.	3.2	16
130	Caulerpenyneâ€“colchicine hybrid: Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2006, 14, 5540-5548.	3.0	16
131	Palladium Tandem Catalysis in the Atropodiastereoselective Synthesis of Indenes Bearing Central and Axial Chirality. ACS Catalysis, 2016, 6, 1559-1564.	11.2	16
132	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.	4.0	16
133	Enantiorecognition on solid chiral selectors using microbatch technology: an example of limitation in case of strong association in the racemate. Biomedical Chromatography, 2005, 19, 434-438.	1.7	15
134	Resolution of protected silaproline for a gram scale preparation. Amino Acids, 2012, 43, 649-655.	2.7	15
135	Chiroptical Detectors for the Study of Unusual Phenomena in Chiral Chromatography. Topics in Current Chemistry, 2013, 340, 107-151.	4.0	15
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