

# Nicolas Vanthuyne

## List of Publications by Year in descending order

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264  
papers

7,493  
citations

61687

45  
h-index

100535

70  
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292  
all docs

292  
docs citations

292  
times ranked

6377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantioselective Syntheses of Furan Atropisomers by an Oxidative Central-to-Axial Chirality Conversion Strategy. <i>Journal of the American Chemical Society</i> , 2017, 139, 2140-2143.	6.6	195
2	Acid/Base-Triggered Switching of Circularly Polarized Luminescence and Electronic Circular Dichroism in Organic and Organometallic Helicenes. <i>Chemistry - A European Journal</i> , 2015, 21, 1673-1681.	1.7	166
3	Combining Organocatalysis with Central-to-Axial Chirality Conversion: Atroposelective Hantzsch-Type Synthesis of 4-Arylpyridines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1401-1405.	7.2	150
4	Chiral Nanographene Propeller Embedding Six Enantiomerically Stable [5]Helicene Units. <i>Journal of the American Chemical Society</i> , 2017, 139, 18508-18511.	6.6	146
5	Metallahelicenes: Easily Accessible Helicene Derivatives with Large and Tunable Chiroptical Properties. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 99-102.	7.2	144
6	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic N-Heterocyclic Carbene and Displaying Long-Lived Circularly Polarized Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8236-8239.	7.2	143
7	Controlling Chirality and Optical Properties of Artificial Antenna Systems with Self-Assembling Porphyrins. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2140-2144.	7.2	140
8	Straightforward access to mono- and bis-cycloplatinated helicenes displaying circularly polarized phosphorescence by using crystallization resolution methods. <i>Chemical Science</i> , 2014, 5, 1915.	3.7	140
9	Metal-Bis(helicene) Assemblies Incorporating $\pi$ -Conjugated Phosphole-Azahelicene Ligands: Impacting Chiroptical Properties by Metal Variation. <i>Journal of the American Chemical Society</i> , 2009, 131, 3183-3185.	6.6	127
10	Ruthenium-Vinylhelicenes: Remote Metal-Based Enhancement and Redox Switching of the Chiroptical Properties of a Helicene Core. <i>Journal of the American Chemical Society</i> , 2012, 134, 15628-15631.	6.6	126
11	Exciton coupling in diketopyrrolopyrrole-helicene derivatives leads to red and near-infrared circularly polarized luminescence. <i>Chemical Science</i> , 2018, 9, 735-742.	3.7	122
12	Chiral liquid chromatography contribution to the determination of the absolute configuration of enantiomers. <i>Journal of Chromatography A</i> , 2004, 1037, 311-328.	1.8	110
13	Achieving high circularly polarized luminescence with push-pull helicenic systems: from rationalized design to top-emission CP-OLED applications. <i>Chemical Science</i> , 2021, 12, 5522-5533.	3.7	106
14	Synthesis and Chiroptical Properties of Hexa-, Octa-, and Decaazaborahelicenes: Influence of Helicene Size and of the Number of Boron Atoms. <i>Chemistry - A European Journal</i> , 2017, 23, 407-418.	1.7	102
15	Synthesis and chiral recognition ability of helical polyacetylenes bearing helicene pendants. <i>Polymer Chemistry</i> , 2014, 5, 4909.	1.9	97
16	Dynamic Kinetic Resolution of Amines Involving Biocatalysis and in Situ Free Radical Mediated Racemization. <i>Organic Letters</i> , 2007, 9, 837-839.	2.4	93
17	enantio-Enriched CPL-active helicene-bipyridine-rhenium complexes. <i>Chemical Communications</i> , 2015, 51, 3754-3757.	2.2	91
18	Atropisomerism and Axial Chirality in Heteroaromatic Compounds. <i>Advances in Heterocyclic Chemistry</i> , 2012, , 1-188.	0.9	84

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19	Conformational changes and chiroptical switching of enantiopure bis-helicenic terpyridine upon Zn <sup>2+</sup> binding. <i>Chemical Communications</i> , 2016, 52, 5932-5935.	2.2	83
20	Structural Characterization of Artificial Self-Assembling Porphyrins That Mimic the Natural Chlorosomal Bacteriochlorophylls. <i>Chemistry - A European Journal</i> , 2005, 11, 2267-2275.	1.7	80
21	Modulation of circularly polarized luminescence through excited-state symmetry breaking and interbranched exciton coupling in helical push-pull organic systems. <i>Chemical Science</i> , 2020, 11, 567-576.	3.7	79
22	From Hetero- to Homochiral Bis(metallahelicene)s Based on a Pt <sup>III</sup> -Pt <sup>III</sup> Bonded Scaffold: Isomerization, Structure, and Chiroptical Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 3800-3803.	6.6	78
23	Ethylenedithio-Tetrathiafulvalene-Helicenes: Electroactive Helical Precursors with Switchable Chiroptical Properties. <i>Chemistry - A European Journal</i> , 2013, 19, 13160-13167.	1.7	73
24	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8062-8066.	7.2	71
25	Triplet state CPL active helicene-dithiolen platinum bipyridine complexes. <i>Chemical Communications</i> , 2017, 53, 9210-9213.	2.2	69
26	Chirality in Dynamic Supramolecular Nanotubes Induced by a Chiral Solvent. <i>Chemistry - A European Journal</i> , 2010, 16, 173-177.	1.7	68
27	Combining Organocatalysis with Central-Axial Chirality Conversion: Atroposelective Hantzsch-Type Synthesis of 4-Arylpyridines. <i>Angewandte Chemie</i> , 2016, 128, 1423-1427.	1.6	68
28	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3264-3271.	7.2	67
29	Thiyl Radical Mediated Racemization of Nonactivated Aliphatic Amines. <i>Journal of Organic Chemistry</i> , 2006, 71, 7288-7292.	1.7	64
30	Long-Lived Circularly Polarized Phosphorescence in Helicene-NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8394-8400.	7.2	64
31	Dialkylzinc mediated radical additions to chiral N-enoyloxazolidinones in the presence of benzaldehyde. Mechanistic investigation, structural characterization of the resulting $\beta$ -lactones. <i>Tetrahedron</i> , 2005, 61, 4261-4274.	1.0	63
32	Multifunctional and Reactive Enantiopure Organometallic Helicenes: Tuning Chiroptical Properties by Structural Variations of Mono- and Bis(platinahelicene)s. <i>Chemistry - A European Journal</i> , 2011, 17, 14178-14198.	1.7	62
33	Artificial Chiral Metallo-pockets Including a Single Metal Serving as Structural Probe and Catalytic Center. <i>CheM</i> , 2017, 3, 174-191.	5.8	62
34	Highly Selective Enzymatic Kinetic Resolution of Primary Amines at 80 °C: A Comparative Study of Carboxylic Acids and Their Ethyl Esters as Acyl Donors. <i>Journal of Organic Chemistry</i> , 2007, 72, 6918-6923.	1.7	59
35	$\alpha,\beta$ -Unsaturated diesters: radical acceptors in dialkylzinc-mediated tandem radical addition/aldol condensation. A straightforward synthesis of rac-nephrosteranic acid. <i>Tetrahedron</i> , 2007, 63, 77-85.	1.0	59
36	H-Adamantylphosphinates as Universal Precursors of P-Stereogenic Compounds. <i>Journal of Organic Chemistry</i> , 2015, 80, 4132-4141.	1.7	56

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37	Anisotropic Organization and Microscopic Manipulation of Self-Assembling Synthetic Porphyrin Microrods That Mimic Chlorosomes: Bacterial Light-Harvesting Systems. <i>Journal of the American Chemical Society</i> , 2012, 134, 944-954.	6.6	55
38	Steric Scale of Common Substituents from Rotational Barriers of <i>N</i> -( <i>o</i> -Substituted) Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 7	1.7	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. <i>Journal of Chromatography A</i> , 2003, 995, 79-85.	1.8	53
40	Mutual Monomer Orientation To Bias the Supramolecular Polymerization of [6]Helicenes and the Resulting Circularly Polarized Light and Spin Filtering Properties. <i>Journal of the American Chemical Society</i> , 2022, 144, 7709-7719.	6.6	53
41	Green Self-Assembling Porphyrins and Chlorins as Mimics of the Natural Bacteriochlorophylls, d, and e. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 3919-3930.	1.2	51
42	Chemoenzymatic Dynamic Kinetic Resolution of Primary Amines Catalyzed by CAL-B at 38 ± 40 °C. <i>Journal of Organic Chemistry</i> , 2011, 76, 7281-7286.	1.7	51
43	Atropisomerism in the 2-Arylimino- <i>N</i> -(2-hydroxyphenyl)thiazoline Series: Influence of Hydrogen Bonding on the Racemization Process. <i>Journal of Organic Chemistry</i> , 2008, 73, 403-411.	1.7	50
44	Bis-4-aza[6]helicene: A Bis-helicenic 2,2'-Bipyridine with Chemically Triggered Chiroptical Switching Activity. <i>Journal of Organic Chemistry</i> , 2019, 84, 5383-5393.	1.7	50
45	Enhancement of electrocatalytic oxygen evolution by chiral molecular functionalization of hybrid 2D electrodes. <i>Nature Communications</i> , 2022, 13, .	5.8	48
46	New 1,4-Dihydropyridines Endowed with NO-Donor and Calcium Channel Agonist Properties. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 2688-2693.	2.9	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. <i>Soft Matter</i> , 2016, 12, 7824-7838.	1.2	45
48	En Route to (S)-Selective Chemoenzymatic Dynamic Kinetic Resolution of Aliphatic Amines. One-Pot KR/Racemization/KR Sequence Leading to (S)-Amides. <i>Journal of Organic Chemistry</i> , 2009, 74, 2901-2903.	1.7	43
49	Ruthenium-Grafted Vinylhelicenes: Chiroptical Properties and Redox Switching. <i>Chemistry - A European Journal</i> , 2015, 21, 17100-17115.	1.7	43
50	Cyclobishelicenes: Shape-Persistent Figure-Eight Aromatic Molecules with Promising Chiroptical Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 14364-14369.	1.7	43
51	Enantiopure Cycloirradiated Complexes Bearing a Pentahelicenic <i>N</i> -Heterocyclic Carbene and Displaying Long-Lived Circularly Polarized Phosphorescence. <i>Angewandte Chemie</i> , 2017, 129, 8348-8351.	1.6	42
52	Triggering Emission with the Helical Turn in Thiadiazole-Helicenes. <i>Chemistry - A European Journal</i> , 2017, 23, 437-446.	1.7	42
53	Axially and Helically Chiral Cationic Radical Bicarbazoles: SOMO-HOMO Level Inversion and Chirality Impact on the Stability of Mono- and Diradical Cations. <i>Journal of the American Chemical Society</i> , 2020, 142, 20409-20418.	6.6	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. <i>Journal of the American Chemical Society</i> , 2010, 132, 10477-10483.	6.6	41

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55	Assembly of Helicene- $\beta$ -Capped N,P,N,P-Na-Helicands within Cu <sup>I</sup> Helicates: Impacting Chiroptical Properties by Ligand-Ligand Charge Transfer. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1968-1972.	7.2	41
56	New Selective Phosphodiesterase 4D Inhibitors Differently Acting on Long, Short, and Supershort Isoforms. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6546-6557.	2.9	40
57	Memory of Chirality in Cascade Rearrangements of Eneidyne. <i>Journal of the American Chemical Society</i> , 2010, 132, 14742-14744.	6.6	40
58	Visible Light Chiral Photoinitiator for Radical Polymerization and Synthesis of Polymeric Films with Strong Chiroptical Activity. <i>Macromolecules</i> , 2018, 51, 5628-5637.	2.2	40
59	Thiyl Radical Mediated Racemization of Benzylic Amines. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3242-3250.	1.2	39
60	Revisiting the assembly of amino ester-based benzene-1,3,5-tricarboxamides: chiral rods in solution. <i>Chemical Communications</i> , 2015, 51, 7397-7400.	2.2	39
61	From Prochiral N-Heterocyclic Carbenes to Optically Pure Metal Complexes: New Opportunities in Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 93-98.	6.6	39
62	$\beta$ -Cyclodextrin-NHC-Gold(I) Complex ( $\beta$ -ICyD)AuCl: A Chiral Nanoreactor for Enantioselective and Substrate-Selective Alkoxylation Reactions. <i>ACS Catalysis</i> , 2020, 10, 5964-5972.	5.5	39
63	Novel chromatographic resolution of chiral diacylglycerols and analysis of the stereoselective hydrolysis of triacylglycerols by lipases. <i>Analytical Biochemistry</i> , 2008, 375, 196-208.	1.1	38
64	Copper Carbenoid, Reactant and Catalyst for One-Pot Diazo Ester Coupling Cascade Rearrangement of Eneidyne: Formation of Two Contiguous Tetrasubstituted Stereocenters. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1987-2000.	2.1	38
65	Helicene-grafted vinyl- and carbene-osmium complexes: an example of acid-base chiroptical switching. <i>Chemical Communications</i> , 2014, 50, 2854-2856.	2.2	38
66	Non-racemic atropisomeric (thio)ureas as neutral enantioselective anion receptors for amino-acid derivatives: Origin of smaller $K_{\text{ass}}$ with thiourea than urea derivatives. <i>Chirality</i> , 2006, 18, 762-771.	1.3	36
67	Persistent Mixed-Valence [(TTF) <sub>2</sub> ] <sup>+</sup> Dyad of a Chiral Bis(binaphthol)-tetrathiafulvalene (TTF) Derivative. <i>Chemistry - A European Journal</i> , 2010, 16, 8020-8028.	1.7	36
68	One-pot Crabb <sup>®</sup> homologation-radical cascade cyclisation with memory of chirality. <i>Chemical Communications</i> , 2012, 48, 2549.	2.2	36
69	Chiroptical Properties of Carbo[6]Helicene Derivatives Bearing Extended $\pi$ -Conjugated Cyano Substituents. <i>Chirality</i> , 2013, 25, 455-465.	1.3	36
70	Simultaneous Control of Central and Helical Chiralities: Expedient Helicoselective Synthesis of Dioxo[6]helicenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 16199-16204.	6.6	36
71	Highly Efficient Photochemically Induced Thiyl Radical-Mediated Racemization of Aliphatic Amines at 30 $\text{^\circ}$ C. <i>Journal of Organic Chemistry</i> , 2008, 73, 364-368.	1.7	35
72	Double Transfer of Chirality in Organocopper-Mediated bis(Alkylating) Cycloisomerization of Eneidyne. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3227-3231.	7.2	35

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73	Aza[6]helicene Platinum Complexes: Chirality Control of <i>cis</i> – <i>trans</i> Isomerism. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5786-5790.	7.2	35
74	Merging hypervalent iodine and sulfoximine chemistry: a new electrophilic trifluoromethylation reagent. <i>Chemical Science</i> , 2019, 10, 10516-10523.	3.7	34
75	Optically Pure <i>C</i> <sub>1</sub> -Symmetric Cyclic(alkyl)(amino)carbene Ruthenium Complexes for Asymmetric Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 19895-19901.	6.6	34
76	Switching from (R)- to (S)-selective chemoenzymatic DKR of amines involving sulfanyl radical-mediated racemization. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4165.	1.5	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. <i>RSC Advances</i> , 2015, 5, 17429-17437.	1.7	32
78	Chiral Atropisomeric Indenocorannulene Bowls: Critique of the Cahn–Ingold–Prelog Conception of Molecular Chirality. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6470-6474.	7.2	32
79	Synthesis, Chiral Separation, Barrier to Rotation and Absolute Configuration of N-(O-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 <i>Chemistry</i> , 2005, 2, 433-443.	0.2	31
80	Mimics of the Self-Assembling Chlorosomal Bacteriochlorophylls: Regio- and Stereoselective Synthesis and Stereoanalysis of Acyl(1-hydroxyalkyl)porphyrins. <i>Journal of the American Chemical Society</i> , 2009, 131, 14480-14492.	6.6	31
81	Electronic and chiroptical properties of chiral cycloiridiated complexes bearing helicenic NHC ligands. <i>Chemical Communications</i> , 2016, 52, 9243-9246.	2.2	30
82	A helical naphthopyran dopant for photoresponsive cholesteric liquid crystals. <i>Chemical Communications</i> , 2017, 53, 200-203.	2.2	30
83	An Enantiopure Cyclometallated Iridium Complex Displaying Long-Lived Phosphorescence both in Solution and in the Solid State. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900044.	1.0	30
84	Confining Nitrogen Inversion to Yield Enantiopure Quinolino[3,2,1- <i>k</i> ]Phenothiazine Derivatives. <i>Advanced Functional Materials</i> , 2018, 28, 1803140.	7.8	29
85	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. <i>Angewandte Chemie</i> , 2020, 132, 3290-3297.	1.6	29
86	Synthesis and Vibrational Circular Dichroism of Enantiopure Chiral Oxorhenium(V) Complexes Containing the Hydrotris(1-pyrazolyl)borate Ligand. <i>Inorganic Chemistry</i> , 2006, 45, 10230-10239.	1.9	28
87	Enantioselective cyanosilylation of aldehydes catalysed by a diastereomeric mixture of atropisomeric thioureas. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 999-1006.	1.8	28
88	Diastereo- and Enantioselective Synthesis of Organometallic Bis(helicene)s by a Combination of C <sub>1</sub> H Activation and Dynamic Isomerization. <i>Chemistry - A European Journal</i> , 2013, 19, 16722-16728.	1.7	28
89	Synthesis, Structural Analysis, and Chiral Investigations of Some Atropisomers with <i>E</i> -Tetrahalogeno-1,3-butadiene Core. <i>Journal of Organic Chemistry</i> , 2009, 74, 9062-9070.	1.7	27
90	Inherently chiral phosphonatocavitands as artificial chemo- and enantio-selective receptors of natural ammoniums. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5086.	1.5	27

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91	Helicenes Grafted with 1,1,4,4-tetracyanobutadiene Moieties: Helical Push-Pull Systems with Strong Electronic Circular Dichroism and Two-Photon Absorption. <i>Chemistry - A European Journal</i> , 2018, 24, 14484-14494.	1.7	27
92	Chiral separation of hesperidin and naringin and its analysis in a butanol extract of <i>Launaea arborescens</i> . <i>Natural Product Research</i> , 2010, 24, 669-681.	1.0	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. <i>Journal of Chromatography A</i> , 2012, 1269, 82-93.	1.8	26
94	The absolute configuration of an inherently chiral phosphonatocavitand and its use toward the enantioselective recognition of l-adrenaline. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1534-1541.	1.8	25
95	An efficient and recyclable hybrid nanocatalyst to promote enantioselective radical cascade rearrangements of enediynes. <i>Chemical Communications</i> , 2011, 47, 5286.	2.2	25
96	A Racemic and Enantiopure Unsymmetric Diiron(III) Complex with a Chiral Carborane-Based Pyridylalcohol Ligand: Combined Chiroptical, Magnetic, and Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 1081-1090.	1.7	25
97	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. <i>Angewandte Chemie</i> , 2016, 128, 8194-8198.	1.6	25
98	A switchable dual organocatalytic system and the enantioselective total synthesis of the quadrane sesquiterpene suberosanone. <i>Chemical Communications</i> , 2016, 52, 6565-6568.	2.2	25
99	Absolute configuration and host-guest binding of chiral porphyrin-cages by a combined chiroptical and theoretical approach. <i>Nature Communications</i> , 2020, 11, 4776.	5.8	25
100	N <sup>α</sup> -C Axially Chiral Anilines: Electronic Effect on Barrier to Rotation and A Remote Proton Brake. <i>Chemistry - A European Journal</i> , 2018, 24, 4453-4458.	1.7	24
101	Chiral Diketopyrrolopyrrole-Helicene Polymer With Efficient Red Circularly Polarized Luminescence. <i>Frontiers in Chemistry</i> , 2020, 8, 237.	1.8	24
102	Circularly Polarized Fluorescent Helicene-Boronils: Synthesis, Photophysical and Chiroptical Properties. <i>Chemistry - A European Journal</i> , 2021, 27, 7959-7967.	1.7	24
103	A curved host and second guest cooperatively inhibit the dynamic motion of corannulene. <i>Nature Communications</i> , 2021, 12, 4079.	5.8	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. <i>Journal of Organic Chemistry</i> , 2012, 77, 2773-2783.	1.7	23
105	Synthesis of Allenes Bearing Phosphine Oxide Groups and Investigation of Their Reactivity toward Gold Complexes. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2213-2218.	2.1	23
106	Chiroptical Properties of Cryptophane-223 and -233 Investigated by ECD, VCD, and ROA Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8631-8639.	1.2	23
107	Large-Scale Synthesis of Enantiopure Molecular Cages: Chiroptical and Recognition Properties. <i>Chemistry - A European Journal</i> , 2016, 22, 2068-2074.	1.7	23
108	(L)-(Trimethylsilyl)alanine synthesis exploiting hydroxypinanone-induced diastereoselective alkylation. <i>Amino Acids</i> , 2013, 45, 301-307.	1.2	22



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109	Long-lived Circularly Polarized Phosphorescence in Helicene-NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. <i>Angewandte Chemie</i> , 2020, 132, 8472-8478.	1.6	22
110	Subtle chirality in oxo- and sulfidorhenium(v) complexes. <i>Chemical Communications</i> , 2009, , 4841.	2.2	21
111	Stereospecific Synthesis of $\beta$ - and $\gamma$ -Hydroxyalkyl $\beta$ -Stereogenic Phosphine-Boranes and Functionalized Derivatives: Evidence of the $\pi^*_{\text{C=O}}$ Activation in the $\text{BH}_3 \cdot \text{THF}$ -Mediated Reduction. <i>Chemistry - A European Journal</i> , 2015, 21, 15607-15621.	1.7	21
112	Tuning the structure of 1,3,5-benzene tricarboxamide self-assemblies through stereochemistry. <i>Chemical Communications</i> , 2016, 52, 13369-13372.	2.2	21
113	Analysis of the major chiral compounds of <i>Artemisia herba-alba</i> essential oils (EOs) using reconstructed vibrational circular dichroism (VCD) spectra: En route to a VCD chiral signature of EOs. <i>Analytica Chimica Acta</i> , 2016, 903, 121-130.	2.6	21
114	Molecular motor-functionalized porphyrin macrocycles. <i>Nature Communications</i> , 2020, 11, 5291.	5.8	21
115	Chiral oxorhenium(v) complexes as candidates for the experimental observation of molecular parity violation: a structural, synthetic and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8792.	1.3	20
116	Chiroptical Properties of Nona- and Dodecamethoxy Cryptophanes. <i>Journal of Organic Chemistry</i> , 2014, 79, 6028-6036.	1.7	20
117	Synthesis of Carbo[6]helicene Derivatives Grafted with Amino or Aminoester Substituents from Enantiopure [6]Helicenyl Boronates. <i>Journal of Organic Chemistry</i> , 2018, 83, 484-490.	1.7	19
118	Hit optimization studies of 3-hydroxy-indolin-2-one analogs as potential anti-HIV-1 agents. <i>Bioorganic Chemistry</i> , 2018, 79, 212-222.	2.0	19
119	Use of lipase-catalyzed kinetic resolution for the enantioselective approach toward sesquiterpenes containing quaternary centers: the cuparane family. <i>Tetrahedron: Asymmetry</i> , 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. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3917.	1.5	18
121	Raman Optical Activity of Enantiopure Cryptophanes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5211-5217.	1.2	18
122	Bimetallic Gold(I) Complexes with Ethynyl-Helicene and Bis-Phosphole Ligands: Understanding the Role of Auophilic Interactions in their Chiroptical Properties. <i>Chemistry - A European Journal</i> , 2016, 22, 6075-6086.	1.7	18
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