

Christian Roussel

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172 papers	4,604 citations	37 h-index	59 g-index
187 ext. papers	5,015 ext. citations	5.7 avg, IF	5.16 L-index

#	Paper	IF	Citations
172	Selective preparation of 3,4,5-trinitro-1H-pyrazole: a stable all-carbon-nitrated arene. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3177-81	16.4	154
171	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	16.4	139
170	Self-disproportionation of enantiomers via achiral chromatography: a warning and an extra dimension in optical purifications. <i>Chemical Society Reviews</i> , 2012 , 41, 4180-8	58.5	130
169	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, 1673-81	4.8	126
168	Metallahelicenes: easily accessible helicene derivatives with large and tunable chiroptical properties. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 99-102	16.4	126
167	Controlling chirality and optical properties of artificial antenna systems with self-assembling porphyrins. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2140-4	16.4	126
166	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, 3183-5	16.4	120
165	Combining Organocatalysis with Central-to-Axial Chirality Conversion: Atroposelective Hantzsch-Type Synthesis of 4-Arylpyridines. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1401-5	16.4	115
164	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, 15628-31	16.4	108
163	Chiral liquid chromatography contribution to the determination of the absolute configuration of enantiomers. <i>Journal of Chromatography A</i> , 2004 , 1037, 311-28	4.5	107
162	Axial-to-central chirality transfer in cyclization processes. <i>Chemical Society Reviews</i> , 2013 , 42, 8434-66	58.5	106
161	Straightforward access to mono- and bis-cycloplatinated helicenes that display circularly polarized phosphorescence using crystallization resolution methods. <i>Chemical Science</i> , 2014 , 5, 1915-1927	9.4	99
160	Structural characterization of artificial self-assembling porphyrins that mimic the natural chlorosomal bacteriochlorophylls c, d, and e. <i>Chemistry - A European Journal</i> , 2005 , 11, 2267-75	4.8	79
159	Atropisomerism and Axial Chirality in Heteroaromatic Compounds. <i>Advances in Heterocyclic Chemistry</i> , 2012 , 1-188	2.4	78
158	Synthesis and chiral recognition ability of helical polyacetylenes bearing helicene pendants. <i>Polymer Chemistry</i> , 2014 , 5, 4909	4.9	77
157	From hetero- to homochiral bis(metallahelicene)s based on a Pt(III)-Pt(III) bonded scaffold: isomerization, structure, and chiroptical properties. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3800-3	16.4	75
156	Comparison of racemization processes in 1-arylpyrimidine-2-thione and 3-arylthiazoline-2-thione atropisomers and their oxygen analogs. <i>Journal of Organic Chemistry</i> , 1988 , 53, 5076-5080	4.2	73

155	Influence of substituents on the rotational energy barrier of atropisomeric biphenyls. Studies by polarimetry and dynamic gas chromatography. <i>Liebigs Annalen</i> , 1995 , 1995, 781-786		71
154	enantio-Enriched CPL-active helicene-bipyridine-rhenium complexes. <i>Chemical Communications</i> , 2015 , 51, 3754-7	5.8	70
153	Steric interplay between alkyl groups bonded to planar frameworks. <i>Accounts of Chemical Research</i> , 1985 , 18, 80-86	24.3	67
152	Ethylenedithio-tetrathiafulvalene-helicenes: electroactive helical precursors with switchable chiroptical properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 13160-7	4.8	63
151	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, 14178-98	4.8	56
150	The Quantitative Analysis of Steric Effects in Heteroaromatics. <i>Advances in Heterocyclic Chemistry</i> , 1988 , 43, 173-299	2.4	54
149	Combining Organocatalysis with Central-to-Axial Chirality Conversion: Atroposelective Hantzsch-Type Synthesis of 4-Arylpyridines. <i>Angewandte Chemie</i> , 2016 , 128, 1423-1427	3.6	54
148	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	4.5	52
147	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, 944-54	16.4	50
146	Theoretical reassessment of Whelk-O1 as an enantioselective receptor for 1-(4-halogeno-phenyl)-1-ethylamine derivatives. <i>Chirality</i> , 2004 , 16 Suppl, S1-11	2.1	50
145	Systematic evaluation of new chiral stationary phases for supercritical fluid chromatography using a standard racemate library. <i>Journal of Chromatography A</i> , 2010 , 1217, 1134-8	4.5	49
144	Green Self-Assembling Porphyrins and Chlorins as Mimics of the Natural Bacteriochlorophylls c, d, and e. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 3919-3930	3.2	48
143	Complete energy profile of a chiral propeller compound: Tris-(2?-methylbenzimidazol-1?-yl) Methane (TMBM). Chromatographic resolution on triacetyl cellulose, x-ray structures of the racemic and one enantiomer, and dynamic NMR study. <i>Tetrahedron: Asymmetry</i> , 1990 , 1, 65-86		48
142	Cationic β -cyclodextrin: a new versatile chiral additive for separation of drug enantiomers by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1995 , 704, 67-74	4.5	45
141	Atropisomerism in the 2-arylimino-N-(2-hydroxyphenyl)thiazoline series: influence of hydrogen bonding on the racemization process. <i>Journal of Organic Chemistry</i> , 2008 , 73, 403-11	4.2	43
140	Metallahelicenes: Easily Accessible Helicene Derivatives with Large and Tunable Chiroptical Properties. <i>Angewandte Chemie</i> , 2010 , 122, 103-106	3.6	40
139	CHIRBASE, a molecular database for the separation of enantiomers by chromatography. <i>Journal of Chromatography A</i> , 1994 , 666, 557-63	4.5	40
138	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, 10477-83	16.4	39

- ¹³⁷ Ruthenium-Grafted Vinylhelicenes: Chiroptical Properties and Redox Switching. *Chemistry - A European Journal*, **2015**, 21, 17100-15 4.8 38
- ¹³⁶ New 1,4-dihydropyridines endowed with NO-donor and calcium channel agonist properties. *Journal of Medicinal Chemistry*, **2004**, 47, 2688-93 8.3 38
- ¹³⁵ 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
- ¹³⁴ New selective phosphodiesterase 4D inhibitors differently acting on long, short, and supershort isoforms. *Journal of Medicinal Chemistry*, **2009**, 52, 6546-57 8.3 37
- ¹³³ Controlling Chirality and Optical Properties of Artificial Antenna Systems with Self-Assembling Porphyrins. *Angewandte Chemie*, **2003**, 115, 2190-2194 3.6 37
- ¹³² Metal catalyst-free amination of meso-bromoporphyrins: an entry to supramolecular porphyrinoid frameworks. *Tetrahedron*, **2009**, 65, 3733-3739 2.4 36
- ¹³¹ Reviewing mobile phases used on Chiralcel OD through an application of data mining tools to CHIRBASE database. *Journal of Chromatography A*, **2001**, 906, 443-58 4.5 35
- ¹³⁰ Steric Scale of Common Substituents from Rotational Barriers of N-(o-Substituted aryl)thiazoline-2-thione Atropisomers. *Journal of Organic Chemistry*, **2017**, 82, 10188-10200 4.2 34
- ¹²⁹ Non-racemic atropisomeric (thio)ureas as neutral enantioselective anion receptors for amino-acid derivatives: origin of smaller Kass with thiourea than urea derivatives. *Chirality*, **2006**, 18, 762-71 2.1 34
- ¹²⁸ Synthesis and voltage-clamp studies of methyl 1,4-dihydro-2,6-dimethyl-5-nitro-4-(benzofurazanyl)pyridine-3-carboxylate racemates and enantiomers and of their benzofuroxanyl analogues. *Journal of Medicinal Chemistry*, **1999**, 42, 1422-7 8.3 34
- ¹²⁷ CHIRBASE, a graphical molecular database on the separation of enantiomers by liquid-, supercritical fluid-, and gas chromatography. *Chirality*, **1993**, 5, 213-9 2.1 34
- ¹²⁶ Helicene-grafted vinyl- and carbene-osmium complexes: an example of acid-base chiroptical switching. *Chemical Communications*, **2014**, 50, 2854-6 5.8 33
- ¹²⁵ Example of the concentration dependence of elution order in the resolution of enantiomers on microcrystalline triacetylcellulose chiral stationary phase. *Journal of Chromatography A*, **1989**, 462, 95-103 4.5 33
- ¹²⁴ NH-type of chiral Ni(II) complexes of glycine Schiff base: design, structural evaluation, reactivity and synthetic applications. *Organic and Biomolecular Chemistry*, **2014**, 12, 1278-91 3.9 32
- ¹²³ Studies on amphiprotic compounds. 3. Hydrogen-bonding basicity of oxygen and sulfur compounds. *Journal of Organic Chemistry*, **1988**, 53, 1545-1550 4.2 32
- ¹²² Chiroptical properties of carbo[6]helicene derivatives bearing extended π -conjugated cyano substituents. *Chirality*, **2013**, 25, 455-65 2.1 31
- ¹²¹ 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, 14480-92 16.4 29
- ¹²⁰ An insight into the use of dimethylphenyl carbamate cyclofructan 7 chiral stationary phase in supercritical fluid chromatography: the basic comparison with HPLC. *Journal of Separation Science*, **2013**, 36, 1711-9 3.4 28

119	Synthesis and vibrational circular dichroism of enantiopure chiral oxorhenium(V) complexes containing the hydrotris(1-pyrazolyl)borate ligand. <i>Inorganic Chemistry</i> , 2006 , 45, 10230-9	5.1	28
118	Diastereo- and enantioselective synthesis of organometallic bis(helicene)s by a combination of C-H activation and dynamic isomerization. <i>Chemistry - A European Journal</i> , 2013 , 19, 16722-8	4.8	27
117	A screening study of ChirBase molecular database to explore the expanded chiral pool derived from the application of chiral chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 46, 839-47	3.5	27
116	Effects of alkyl substituents on chiral separation of N-arylthiazolin-2-(thi)-one atropisomers on tris (p-methylbenzoyl)cellulose beads and cellulose triacetate: Lipophilicity aspects. <i>Chirality</i> , 1994 , 6, 251-260 ¹	2.1	27
115	Aza[6]helicene platinum complexes: chirality control of cis-trans isomerism. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5786-90	16.4	26
114	Data mining and enantiophore studies on chiral stationary phases used in HPLC separation. <i>Chirality</i> , 2005 , 17 Suppl, S74-83	2.1	25
113	Gear effect ¹⁰ . <i>Tetrahedron</i> , 1983 , 39, 4209-4219	2.4	25
112	Inherently chiral phosphonatocavitands as artificial chemo- and enantio-selective receptors of natural ammoniums. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 5086-91	3.9	24
111	Synthesis, structural analysis, and chiral investigations of some atropisomers with EE-tetrahalogeno-1,3-butadiene core. <i>Journal of Organic Chemistry</i> , 2009 , 74, 9062-70	4.2	24
110	Enantioselective cyanosilylation of aldehydes catalysed by a diastereomeric mixture of atropisomeric thioureas. <i>Tetrahedron: Asymmetry</i> , 2006 , 17, 999-1006		24
109	Toward structure-based predictive tools for the selection of chiral stationary phases for the chromatographic separation of enantiomers. <i>Journal of Chromatography A</i> , 2016 , 1467, 206-213	4.5	24
108	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		23
107	Part III: Supercritical Fluid Chromatographic Separations. <i>Separation and Purification Reviews</i> , 2008 , 37, 229-301	7.3	23
106	Gear effect. 9. Steric anisotropy of space through "Januslike" substituents. A dynamic proton and carbon-13 NMR study of 1,3-dibenzyl-4,5-diisopropylimidazoline-2-thione. <i>Journal of the American Chemical Society</i> , 1980 , 102, 7848-7853	16.4	23
105	Electronic and chiroptical properties of chiral cycloiridiated complexes bearing helicenic NHC ligands. <i>Chemical Communications</i> , 2016 , 52, 9243-6	5.8	22
104	Investigation into the chiral recognition mechanism of N-arylthiazolin-2(thi)one atropisomers on Chiralcel OJ by factorial design and lipophilicity approaches. <i>Journal of Chromatography A</i> , 1997 , 761, 129-138	4.5	22
103	Enantioselective correlation between retention factor and lipophilicity index in chiral separation on cellulose and amylose tris(3,5-dimethylphenylcarbamate) CSPs in reversed mode: A case study. <i>Chirality</i> , 2001 , 13, 56-61	2.1	22
102	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	4.5	21

101	Chiral separation of hesperidin and naringin and its analysis in a butanol extract of <i>Launea arborescens</i> . <i>Natural Product Research</i> , 2010 , 24, 669-81	2.3	21
100	A theoretical study of the conformation, basicity and NMR properties of 2,2', 3,3'- and 4,4'-bipyridines and their conjugated acids. <i>Computational and Theoretical Chemistry</i> , 2011 , 966, 334-339 ²		21
99	Enantiophore modeling in 3D-QSAR. A data mining application on Whelk-O1 chiral stationary phase. <i>Chirality</i> , 2006 , 18, 498-508	2.1	21
98	Subtle chirality in oxo- and sulfidoro-rhenium(V) complexes. <i>Chemical Communications</i> , 2009 , 4841-3	5.8	20
97	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, 8792-803	3.6	18
96	Nanoscope imaging of meso-tetraalkylporphyrins prepared in high yields enabled by Montmorillonite K10 and 3A molecular sieves. <i>Chemistry - A European Journal</i> , 2013 , 19, 11293-300	4.8	17
95	Conversion of a racemate into a single enantiomer in one step by chiral liquid chromatography: Studies with rac-2,2'-diiodobiphenyl. <i>Chirality</i> , 1995 , 7, 610-611	2.1	17
94	N-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	4.8	16
93	Assembly of Helicene-Capped N,P,N,P,N-Helicands within CuI Helicates: Impacting Chiroptical Properties by Ligand-Ligand Charge Transfer. <i>Angewandte Chemie</i> , 2013 , 125, 2022-2026	3.6	16
92	Conformational analysis of trigonal and planar rotors attached to 2-azoline-2-thiones. The effect of ring geometry. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1985 , 273-277		16
91	Enantio-recognition on solid chiral selectors using microbatch technology: an example of limitation in case of strong association in the racemate. <i>Biomedical Chromatography</i> , 2005 , 19, 434-8	1.7	15
90	Separation of N-arylthiazoline-2-(thio)-one atropisomers on p-methylbenzoyl cellulose beads: A factorial design approach. <i>Chirality</i> , 1993 , 5, 207-212	2.1	15
89	Attempts to separate (-)- α -thujone, (+)- α -thujone epimers from camphor enantiomers by enantioselective HPLC with polarimetric detection. <i>Journal of Separation Science</i> , 2013 , 36, 832-9	3.4	14
88	Contribution of chiral HPLC in tandem with polarimetric detection in the determination of absolute configuration by chemical interconversion method: Example in 1-(thio)oxothiazolyl-3-(thio)oxothiazolyl toluene atropisomer series. <i>Chirality</i> , 2002 , 14, 665-73	2.1	14
87	Separation of atropisomeric 1,4,5,6-tetrahydropyrimidinium salts by chiral HPLC and determination of their enantiomerization barriers. <i>Journal of Chromatography A</i> , 2005 , 1069, 203-8	4.5	14
86	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, 6075-86	4.8	14
85	<i>Artemisia arborescens</i> Essential Oil Composition, Enantiomeric Distribution, and Antimicrobial Activity from Different Wild Populations from the Mediterranean Area. <i>Chemistry and Biodiversity</i> , 2016 , 13, 1095-102	2.5	14
84	Chiral additive induced self-disproportionation of enantiomers under MPLC conditions: preparation of enantiomerically pure samples of 1-(aryl)ethylamines from racemates. <i>Tetrahedron: Asymmetry</i> , 2016 , 27, 317-321		13

83	Influence of Substituents on the Rotational Energy Barrier of Axially Chiral Biphenyls, II. <i>Liebigs Annalen</i> , 2006 , 1996, 357-363		13
82	Chromatographic resolution, solution and crystal phase conformations, and absolute configuration of tert-butyl(dimethylamino)phenylphosphine-borane complex. <i>Journal of Organic Chemistry</i> , 2006 , 71, 5586-93	4.2	13
81	Factorial design approach to studying the high-performance liquid chromatographic chiral separation of N-arylthiazolin-2(thi)one atropisomers on CHIRALCEL OJ. <i>Journal of Chromatography A</i> , 1996 , 722, 177-188	4.5	13
80	β-Cyclodextrin as chiral mobile phase additive in the HPLC separation of the atropisomers of some N-arylthiazoline-2-thiones and N-arylthiazoline-2-ones: Attempts to quantify the effect of selected structural parameters. <i>Chirality</i> , 1993 , 5, 471-478	2.1	13
79	Modeling and predicting chiral stationary phase enantioselectivity: An efficient random forest classifier using an optimally balanced training dataset and an aggregation strategy. <i>Journal of Separation Science</i> , 2018 , 41, 1365-1375	3.4	12
78	Atropisomerism in amidinoquinoxaline N-oxides: effect of the ring size and substituents on the enantiomerization barriers. <i>Journal of Organic Chemistry</i> , 2015 , 80, 1689-95	4.2	12
77	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. <i>Analytica Chimica Acta</i> , 2016 , 903, 121-30	6.6	11
76	New route to 3-alkylthiazolo[3,2-a]benzimidazole derivatives. <i>Molecules</i> , 2005 , 10, 327-33	4.8	11
75	N-C Axially Chiral Compounds with an ortho-Fluoro Substituent and Steric Discrimination between Hydrogen and Fluorine Atoms Based on a Diastereoselective Model Reaction. <i>Journal of Organic Chemistry</i> , 2019 , 84, 3169-3175	4.2	10
74	Relationship between rotational barriers and structures in N-C axially chiral 3,4-dihydroquinolin-2-one and 3,4-dihydrobenzoquinolin-2-one. <i>Tetrahedron Letters</i> , 2015 , 56, 132-135	2	10
73	Chiroptical detectors for the study of unusual phenomena in chiral chromatography. <i>Topics in Current Chemistry</i> , 2013 , 340, 107-51		10
72	Determination of the absolute configuration of 1,3,5-triphenyl-4,5-dihydropyrazole enantiomers by a combination of VCD, ECD measurements, and theoretical calculations. <i>Tetrahedron: Asymmetry</i> , 2011 , 22, 1120-1124		10
71	HPLC separation and VCD spectroscopy of chiral pyrazoles derived from (5R)-dihydrocarvone. <i>Tetrahedron: Asymmetry</i> , 2007 , 18, 1911-1917		10
70	Tetraacylation of isobutene: first synthesis of 1,3,6,8-tetramethyl-2,7-naphthyridine. <i>Tetrahedron Letters</i> , 1984 , 25, 515-518	2	10
69	Synthesis and Structural Properties of Aza[n]helicene Platinum Complexes: Control of Cis and Trans Stereochemistry. <i>Inorganic Chemistry</i> , 2016 , 55, 2009-17	5.1	9
68	Static and dynamic properties of 1,1'-bi-2-naphthol and its conjugated acids and bases. <i>Chemistry - A European Journal</i> , 2014 , 20, 14816-25	4.8	9
67	Aza[6]helicene Platinum Complexes: Chirality Control of cis/trans Isomerism. <i>Angewandte Chemie</i> , 2014 , 126, 5896-5900	3.6	9
66	Atropisomerization in N-aryl-2(1H)-pyrimidin-(thi)ones: a ring-opening/rotation/ring-closure process in place of a classical rotation around the pivot bond. <i>Journal of Organic Chemistry</i> , 2013 , 78, 12577-84	4.2	9

65	Structure and substituent effect on chiral separation of some 4a-methyl-2,3,4,4a-tetrahydro-1H-fluorene derivatives and 4a-methyl-1,2,3,4,4a,9a-hexahydro-fluoren-9-one derivatives on CTA-I and Chiralcel OJ chiral stationary phases. <i>Chirality</i> , 1998 , 10, 522-527	2.1	9
64	HPLC on chiral support with polarimetric detection: application to conglomerate discovery. <i>Chirality</i> , 2007 , 19, 497-502	2.1	9
63	Some aspects of chiral separations in planar chromatography compared with HPLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2005 , 18, 5-12	0.9	9
62	Preparation of homochiral 9-anthryl-tert-butylcarbinol. The configurational and conformational NMR study of its carbamate derivatives. <i>Tetrahedron: Asymmetry</i> , 1995 , 6, 1307-1310		9
61	Dynamic stereochemistry at sp ² /sp ³ bonds part II: the importance of ground-state strain in the determination of apparent spatial requirements of substituents. <i>Magnetic Resonance in Chemistry</i> , 1980 , 14, 166-170		9
60	Hindered internal rotation in 3,4-di-isopropyl-4-thiazoline-2-thione from temperature-dependent nuclear magnetic resonance spectra of five different groups of protons: a methodological study. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1975 , 1690-1694		9
59	Hydrogen bonding abilities and self-association of some potentially bifunctional catalysts. Part 2. Mercaptoazole derivatives. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1977 , 1015		9
58	Isolation of the major chiral compounds from <i>Bubonium graveolens</i> essential oil by HPLC and absolute configuration determination by VCD. <i>Chirality</i> , 2017 , 29, 70-79	2.1	8
57	Rhenium complexes bearing phosphole-pyridine chelates: simple molecules with large chiroptical properties. <i>Chemical Communications</i> , 2012 , 48, 6705-7	5.8	8
56	Theoretical study of the intramolecular CH/π interaction effect on rotation energy barriers in 1-pentene, 2,2'-diisopropyl biphenyl and some amino and nitro derivatives. <i>Computational and Theoretical Chemistry</i> , 2004 , 680, 169-180		8
55	Bis[oxo/thioxothiazoliny] Aromatic Compounds - Synthesis and Conformational Assignment. <i>European Journal of Organic Chemistry</i> , 2000 , 2000, 1081-1090	3.2	8
54	Use of steric effects in determining the position of the transition state for the S _N 2 reaction between methyl iodide and 4-thiazoline-2-thiones. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1974 , 1304-1306		8
53	Rates of enantiomerization in axially chiral 2,2'-bipyridines with restricted rotation: an ab initio study. <i>Tetrahedron: Asymmetry</i> , 2011 , 22, 1180-1183		7
52	Synthesis and absolute configuration assignment of 5-amino-1,3,5-triphenyl-pentane-1,3-diol stereoisomers. <i>Chirality</i> , 2005 , 17, 63-72	2.1	7
51	Pyrylium salts from Friedel-Crafts acetylation of isoparaffins. <i>Journal of Organic Chemistry</i> , 1979 , 44, 2972-2976	4.2	7
50	Mining Chromatographic Enantioseparation Data Using Matched Molecular Pair Analysis. <i>Molecules</i> , 2016 , 21,	4.8	7
49	Access to N-thioalkenyl and N-(o-thio)aryl-benzimidazol-2-ones by ring opening of thiazolobenzimidazolium and benzimidazobenzothiazolium salts and C-O bond cleavage of an alkoxide. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3233-41	4.2	6
48	Synthesis, chiral separation, and absolute configuration of bis-(N-aryl) atropisomeric triads: 1,2-bis-[4-methyl-2-(thio)oxo-2,3-dihydrothiazol-3-yl]-benzene. <i>Chirality</i> , 2009 , 21, 160-6	2.1	6

47	Synthesis, chiral HPLC resolution and configuration assignment of 1-phenylglyceryl trinitrate stereoisomers. <i>Chirality</i> , 2006 , 18, 430-6	2.1	6
46	Resolution of some 4-benzofurazanyl and 4-benzofuroxanyl 1, 4-dihydropyridine derivatives by chiral HPLC on whelk-o1 and some polysaccharide chiral stationary phases. <i>Chirality</i> , 1999 , 11, 602-8	2.1	6
45	Hydrogen bonding abilities and self-association of thiazolidin- and imidazolidin-2-ones and 2-selenones. <i>Journal of Heterocyclic Chemistry</i> , 1979 , 16, 1083-1084	1.9	6
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