

# Claudio Villani

## List of Publications by Year in descending order

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188  
papers

5,344  
citations

71061

41  
h-index

128225

60  
g-index

202  
all docs

202  
docs citations

202  
times ranked

4055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of the Carbohydrate Moieties in Chiral Recognition on Teicoplanin-Based LC Stationary Phases. <i>Analytical Chemistry</i> , 2000, 72, 1767-1780.	3.2	213
2	High-performance liquid chromatography chiral stationary phases based on low-molecular-mass selectors. <i>Journal of Chromatography A</i> , 2001, 906, 35-50.	1.8	152
3	Synthesis, Chiroptical Properties, and Configurational Assignment of Fullero-proline Derivatives and Peptides. <i>Journal of the American Chemical Society</i> , 1996, 118, 4072-4080.	6.6	136
4	Helical Sense-Responsive and Substituent-Sensitive Features in Vibrational and Electronic Circular Dichroism, in Circularly Polarized Luminescence, and in Raman Spectra of Some Simple Optically Active Hexahelicenes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1682-1695.	1.5	135
5	Dynamic HPLC on chiral stationary phases: A powerful tool for the investigation of stereomutation processes. <i>Journal of Separation Science</i> , 2006, 29, 1508-1516.	1.3	102
6	Molecular Recognition by a Silica-Bound Fullerene Derivative. <i>Journal of the American Chemical Society</i> , 1997, 119, 7550-7554.	6.6	101
7	Chiral Peropyrene: Synthesis, Structure, and Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 13102-13109.	6.6	99
8	Study of mechanisms of chiral discrimination of amino acids and their derivatives on a teicoplanin-based chiral stationary phase. <i>Journal of Chromatography A</i> , 2004, 1031, 143-158.	1.8	98
9	Enantioselective Recognition by a New Chiral Stationary Phase at the Receptor Level. <i>Journal of Organic Chemistry</i> , 1995, 60, 4314-4315.	1.7	88
10	Introducing Enantioselective Ultrahigh-Pressure Liquid Chromatography (eUHPLC): Theoretical Inspections and Ultrafast Separations on a New Sub-2- $\mu$ m Whelk-O1 Stationary Phase. <i>Analytical Chemistry</i> , 2012, 84, 6805-6813.	3.2	83
11	Enantiomerization barriers by dynamic HPLC. Stationary phase effects. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 2069-2073.	1.8	79
12	Ultra-fast high-efficiency enantioseparations by means of a teicoplanin-based chiral stationary phase made on sub-2- $\mu$ m totally porous silica particles of narrow size distribution. <i>Journal of Chromatography A</i> , 2016, 1427, 55-68.	1.8	75
13	Pirkle-type chiral stationary phase on core-shell and fully porous particles: Are superficially porous particles always the better choice toward ultrafast high-performance enantioseparations?. <i>Journal of Chromatography A</i> , 2016, 1466, 96-104.	1.8	71
14	A "quasi-flexible" automatic docking processing for studying stereoselective recognition mechanisms. Part I. Protocol validation. <i>Journal of Computational Chemistry</i> , 2000, 21, 515-530.	1.5	70
15	Transition from enantioselective high performance to ultra-high performance liquid chromatography: A case study of a brush-type chiral stationary phase based on sub-5-micron to sub-2-micron silica particles. <i>Journal of Chromatography A</i> , 2010, 1217, 990-999.	1.8	64
16	Direct chromatographic resolution of carnitine and O-acylcarnitine enantiomers on a teicoplanin-bonded chiral stationary phase. <i>Journal of Chromatography A</i> , 1999, 857, 145-155.	1.8	63
17	Organic Stereochemistry and Conformational Analysis from Enantioselective Chromatography and Dynamic Nuclear Magnetic Resonance Measurements. <i>Accounts of Chemical Research</i> , 1995, 28, 163-170.	7.6	61
18	Application of a new chiral stationary phase containing the glycopeptide antibiotic A-40,926 in the direct chromatographic resolution of $\beta^2$ -amino acids. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2375-2385.	1.8	61

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19	Comparison of Dynamic HPLC and Dynamic NMR in the Study of Conformational Stereodynamics: A Case of the Enantiomers of a Hindered Secondary Phosphine Oxide. <i>Journal of the American Chemical Society</i> , 2000, 122, 4776-4780.	6.6	60
20	Enantioselective ultra high performance liquid and supercritical fluid chromatography: The race to the shortest chromatogram. <i>Journal of Separation Science</i> , 2018, 41, 1307-1318.	1.3	59
21	Chromatographic resolution of 1,2-amino alcohols on a chiral stationary phase containing N,N'-((3,5-dinitrobenzoyl)-trans-1,2-diaminocyclohexane. <i>Journal of Chromatography A</i> , 1991, 539, 25-36.	1.8	58
22	Carbon nanotubes on HPLC silica microspheres. <i>Carbon</i> , 2006, 44, 1609-1613.	5.4	55
23	Chromatographic optical resolution on trans-1,2-diaminocyclohexane derivatives: Theory and applications. <i>Chirality</i> , 1992, 4, 447-458.	1.3	54
24	New HPLC-chiral stationary phases for enantiomeric resolution of sulfoxides and selenoxides. <i>Chromatographia</i> , 1987, 24, 505-509.	0.7	53
25	New hybrid polymeric liquid chromatography chiral stationary phase prepared by surface-initiated polymerization. <i>Journal of Chromatography A</i> , 2005, 1064, 25-38.	1.8	53
26	Efficient Thia-bridged Triarylamine Heterohelicenes: Synthesis, Resolution, and Absolute Configuration Determination. <i>Chemistry - A European Journal</i> , 2008, 14, 5747-5750.	1.7	53
27	Conformational studies by dynamic NMR. 47. Conformation, stereodynamics, and chiral separation of the rotational enantiomers of hindered naphthyl ketones. <i>Journal of the American Chemical Society</i> , 1992, 114, 6521-6527.	6.6	52
28	Cannabis through the looking glass: chemo- and enantio-selective separation of phytocannabinoids by enantioselective ultra high performance supercritical fluid chromatography. <i>Chemical Communications</i> , 2017, 53, 12262-12265.	2.2	52
29	Rationale behind the optimum efficiency of columns packed with new 1.9 µm fully porous particles of narrow particle size distribution. <i>Journal of Chromatography A</i> , 2016, 1454, 78-85.	1.8	49
30	Enantioseparation by ultra-high-performance liquid chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 63, 95-103.	5.8	48
31	Expanding the potential of chiral chromatography for high-throughput screening of large compound libraries by means of sub-2 µm Whelk-O 1 stationary phase in supercritical fluid conditions. <i>Journal of Chromatography A</i> , 2015, 1383, 160-168.	1.8	48
32	Conformational Studies by Dynamic NMR. 86.1 Structure, Stereodynamics, and Cryogenic Enantioseparation of the Stereolabile Isomers of o-Dinaphthylphenyl Derivatives. <i>Journal of Organic Chemistry</i> , 2002, 67, 1663-1668.	1.7	47
33	Combination of HPLC Inverted Chirality Columns Approach and MS/MS Detection for Extreme Enantiomeric Excess Determination Even in Absence of Reference Samples. Application to Camptothecin Derivatives. <i>Analytical Chemistry</i> , 2007, 79, 6013-6019.	3.2	46
34	Chromatographic resolution of the interconverting stereoisomers of hindered sulfinyl and sulfonyl naphthalene derivatives. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 27-30.	1.8	45
35	Determination of the rotational barrier of a chiral biphenyl: Comparison of theoretical and experimental data. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 3117-3122.	1.8	45
36	Enantiomeric resolution of sulfoxides on a DACH-DNB chiral stationary phase: A quantitative structure-enantioselective retention relationship (QSERR) study. <i>Chirality</i> , 1993, 5, 527-537.	1.3	44

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37	Conformational studies by dynamic NMR. 50. Atropisomerism in hindered naphthyl sulfoxides: structure, stereodynamics, and chiral resolution. <i>Journal of Organic Chemistry</i> , 1993, 58, 5674-5682.	1.7	44
38	Synthesis, Chromatographic Separation, Vibrational Circular Dichroism Spectroscopy, and ab Initio DFT Studies of Chiral Thiepane Tetraol Derivatives. <i>Journal of Organic Chemistry</i> , 2005, 70, 664-669.	1.7	44
39	Enantioselective chromatography on brush-type chiral stationary phases containing totally synthetic selectors theoretical aspects and practical applications. <i>Journal of Chromatography A</i> , 1996, 724, 79-90.	1.8	43
40	Immobilized trypsin on epoxy organic monoliths with modulated hydrophilicity: Novel bioreactors useful for protein analysis by liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 8937-8945.	1.8	43
41	Synthesis of C-Alkylcalix[4]arenes. 4. Design, Synthesis, and Computational Studies of Novel Chiral Amido[4]resorcinarenes. <i>Journal of Organic Chemistry</i> , 1997, 62, 932-938.	1.7	42
42	Raman and ROA Spectra of (âˆ-) and (+)-2-Br-Hexahelicene: Experimental and DFT Studies of a Î€-Conjugated Chiral System. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2221-2230.	1.2	42
43	Atropisomerism in Hindered Naphthyl Sulfones Investigated by Dynamic NMR and Dynamic HPLC Techniques. <i>Journal of Organic Chemistry</i> , 1995, 60, 5515-5519.	1.7	41
44	â€œQuasi flexibleâ€• automatic docking processing for studying stereoselective recognition mechanisms, part 2: Prediction of <sup>13</sup> C of complexation and <sup>1</sup> H-NMR NOE correlation. <i>Journal of Computational Chemistry</i> , 2007, 28, 1119-1128.	1.5	41
45	High-performance liquid chromatography on chiral packed microbore columns with the 3,5-dinitrobenzoyl derivative of trans-1,2-diaminocyclohexane as selector. <i>Journal of Chromatography A</i> , 1988, 457, 235-245.	1.8	40
46	Separation and Photophysical Properties of the <sup>1</sup> Î”, <sup>1</sup> Îˆ, <sup>1</sup> Îˆ’, and <sup>1</sup> Îˆ” Stereoisomers of a Dinuclear Ruthenium(II) Complex. <i>Inorganic Chemistry</i> , 2001, 40, 5461-5464.	1.9	40
47	A Chiral A2B2 Macrocyclic Minireceptor with Extreme Enantioselectivity. <i>Organic Letters</i> , 2002, 4, 3993-3996.	2.4	40
48	Enantioselective ultra-high and high performance liquid chromatography: A comparative study of columns based on the Whelk-O1 selector. <i>Journal of Chromatography A</i> , 2012, 1269, 226-241.	1.8	40
49	Dynamic high performance liquid chromatography on chiral stationary phases. Low temperature separation of the interconverting enantiomers of diazepam, flunitrazepam, prazepam and tetrazepam. <i>Journal of Chromatography A</i> , 2014, 1363, 144-149.	1.8	40
50	Future perspectives in high efficient and ultrafast chiral liquid chromatography through zwitterionic teicoplanin-based 2-Î¼m superficially porous particles. <i>Journal of Chromatography A</i> , 2017, 1520, 91-102.	1.8	40
51	Chiroptical properties of the ground and excited states of two thia-bridged triarylamine heterohelicenes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 331, 138-145.	2.0	39
52	Chiral ?-substituted ?-aryloxy acetic acids: Synthesis, absolute configuration, chemical resolution, and direct separation by hplc. <i>Chirality</i> , 1992, 4, 193-203.	1.3	38
53	Enantioselective and Diastereoselective Binding Study of Silica Bound Macrobicyclic Receptors by HPLC. <i>Journal of Organic Chemistry</i> , 1997, 62, 8221-8224.	1.7	37
54	Grandione, a new heptacyclic dimeric diterpene from <i>Torreya grandis</i> Fort.. <i>Tetrahedron</i> , 1999, 55, 11385-11394.	1.0	37

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55	Induced-Fit in the Gas Phase: Conformational Effects on the Enantioselectivity of Chiral Tetra-Amide Macrocycles. <i>Journal of the American Chemical Society</i> , 2008, 130, 522-534.	6.6	37
56	Structural and photophysical characterisation of coordination and optical isomers of mononuclear ruthenium(ii) polypyridyl 1,2,4-triazole complexes. Electronic supplementary information (ESI) available: analytical and semipreparative HPLC chromatograms, CD and UV/vis spectra. See <a href="http://www.rsc.org/suppdata/DT/B3/B301961F/">http://www.rsc.org/suppdata/DT/B3/B301961F/</a> . <i>Dalton Transactions</i> , 2003, , 2597.	1.6	33
57	Experimental evidence of the kinetic performance achievable with columns packed with new 1.9 $\mu$ m fully porous particles of narrow particle size distribution. <i>Journal of Chromatography A</i> , 2016, 1454, 86-92.	1.8	33
58	Exceptional Gas-Phase Enantioselectivity of Chiral Tetramide Macrocycles. <i>Journal of the American Chemical Society</i> , 2005, 127, 11912-11913.	6.6	32
59	Twenty years of research on silica-based chiral stationary phases. <i>Journal of Separation Science</i> , 2006, 29, 770-781.	1.3	32
60	Direct analysis of chiral active pharmaceutical ingredients and their counterions by ultra high performance liquid chromatography with macrocyclic glycopeptide-based chiral stationary phases. <i>Journal of Chromatography A</i> , 2018, 1576, 42-50.	1.8	32
61	Four-Fold Alkyne Benzannulation: Synthesis, Properties, and Structure of Pyreno[ <i>a</i> ]pyrene-Based Helicene Hybrids. <i>Organic Letters</i> , 2019, 21, 8652-8656.	2.4	32
62	Enantiomeric separation of dansyl- and dabsylamino acids by ligand-exchange chromatography with (S)- and (R)-phenylalaninamide-modified silica gel. <i>Journal of Chromatography A</i> , 1994, 666, 77-89.	1.8	31
63	Substituent effects on the enantioselective retention of anti-HIV 5-aryl- $\beta$ -1,2,4-oxadiazolines on R, R-DACH-DNB chiral stationary phase. , 1996, 8, 556-566.		31
64	Carbon-Carbon Bond Forming Reactions In Supercritical Carbon Dioxide in the Presence of a Supported Palladium Catalyst. <i>Synlett</i> , 1999, 1999, 345-347.	1.0	31
65	Concentration as the Switch for Chiral Recognition in Biomembrane Models. <i>Journal of the American Chemical Society</i> , 2008, 130, 2732-2733.	6.6	31
66	Design and evaluation of hydrolytically stable bidentate urea-type stationary phases for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2012, 1232, 196-211.	1.8	31
67	Effective HPLC resolution of [4]heterohelicenic dyes on chiral stationary phases using reversed-phase eluents. <i>Chirality</i> , 2007, 19, 601-606.	1.3	30
68	Extending the use of Inverted Chirality Columns Approach for enantiomeric excess determination in absence of reference samples: Application to a water-soluble camptothecin derivative. <i>Journal of Chromatography A</i> , 2010, 1217, 1024-1032.	1.8	30
69	Gas-phase enantioselective reactions in noncovalent ion-molecule complexes. <i>Chirality</i> , 2009, 21, 69-86.	1.3	29
70	Analysis of bovine milk caseins on organic monolithic columns: An integrated capillary liquid chromatography-high resolution mass spectrometry approach for the study of time-dependent casein degradation. <i>Journal of Chromatography A</i> , 2013, 1313, 259-269.	1.8	29
71	Unmatched Kinetic Performance in Enantioselective Supercritical Fluid Chromatography by Combining Latest Generation Whelk-O1 Chiral Stationary Phases with a Low-Dispersion in-House Modified Equipment. <i>Analytical Chemistry</i> , 2018, 90, 10828-10836.	3.2	29
72	Improvement of Pap smear sensitivity using a visual adjunctive procedure: a co-operative Italian study on speculoscopy (GISPE). <i>European Journal of Cancer Prevention</i> , 1998, 7, 295-304.	0.6	28

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73	pH Variation as the Switch for Chiral Recognition in a Biomembrane Model. <i>Journal of the American Chemical Society</i> , 2005, 127, 13762-13763.	6.6	28
74	Chiral discrimination by ligand-exchange chromatography: A comparison between phenylalaninamide-based stationary and mobile phases. <i>Chirality</i> , 1996, 8, 452-461.	1.3	27
75	Lipid Peroxidation, Tissue Necrosis, and Metabolic and Mechanical Recovery of Isolated Reperfused Rat Heart as a Function of Increasing Ischemia. <i>Free Radical Research</i> , 1998, 28, 25-37.	1.5	27
76	Efficient enantiorecognition of ruthenium(II) complexes by silica-bound teicoplanin. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3535-3541.	1.8	27
77	Enantiomerization Study of Some $\hat{\pm}$ -Nitroketones by Dynamic High-Resolution Gas Chromatography. <i>Journal of Organic Chemistry</i> , 2003, 68, 3173-3177.	1.7	27
78	Highly versatile nanohydrogel platform based on riboflavin-polysaccharide derivatives useful in the development of intrinsically fluorescent and cytocompatible drug carriers. <i>Carbohydrate Polymers</i> , 2015, 115, 502-509.	5.1	27
79	“Click”-hyaluronan based nanohydrogels as multifunctionalizable carriers for hydrophobic drugs. <i>Carbohydrate Polymers</i> , 2017, 174, 706-715.	5.1	26
80	Direct resolution of racemic compounds on chiral microbore columns by sub- and supercritical fluid chromatography. <i>Journal of High Resolution Chromatography</i> , 1990, 13, 182-184.	2.0	24
81	Direct resolution in sub- and supercritical fluid chromatography on packed columns containing trans-1,2-diaminocyclohexane derivatives as selectors. <i>TrAC - Trends in Analytical Chemistry</i> , 1993, 12, 137-144.	5.8	24
82	Synthesis and applications of novel, highly efficient HPLC chiral stationary phases: a chiral dimension in drug research analysis. <i>Pharmaceutical Science &amp; Technology Today</i> , 1999, 2, 484-492.	0.7	24
83	Chromatographic resolution and enantiomerization barriers of axially chiral 1-naphthamides. <i>Journal of Separation Science</i> , 2001, 24, 941-946.	1.3	24
84	New biphenylic derivatives: synthesis, characterisation and enantiodiscrimination in chiral aggregates. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 987-994.	1.8	24
85	Conformational Assignment, Absolute Configuration, and Chiral Separation of All the Stereoisomers Created by the Combined Presence of Stereogenic Centers and Stereogenic Conformational Axes in a Highly Hindered 1,5-Naphthyl Sulfoxide. <i>Journal of Organic Chemistry</i> , 1995, 60, 97-102.	1.7	23
86	NMR enantiodiscrimination by cyclic tetraamidic chiral solvating agents. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3746-3751.	1.8	23
87	Dynamic HPLC of stereolabile iron(II) complexes on chiral stationary phases. <i>Chirality</i> , 2009, 21, 97-103.	1.3	23
88	Molecular recognition of p - tert -butylcalixarenes by surface-linked fullerenes C 60 and C 70. <i>Tetrahedron</i> , 2001, 57, 6997-7002.	1.0	22
89	New chiral and restricted-access materials containing glycopeptides as selectors for the high-performance liquid chromatographic determination of chiral drugs in biological matrices. <i>Journal of Chromatography A</i> , 2008, 1191, 205-213.	1.8	22
90	High-Performance Liquid Chromatographic Resolution of Neutral and Cationic Hetero[6]Helicenes. <i>Chirality</i> , 2016, 28, 282-289.	1.3	22

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91	Thioethylâ€Porphyrzine/Nanocarbon Hybrids for Photoinduced Electron Transfer. <i>Advanced Functional Materials</i> , 2018, 28, 1705418.	7.8	22
92	Adsorption Equilibria of Benzodiazepines on a Hybrid Polymeric Chiral Stationary Phase. <i>Analytical Chemistry</i> , 2005, 77, 3113-3122.	3.2	21
93	Chiral Supramolecular Selectors for Enantiomer Differentiation in Liquid Chromatography. <i>Topics in Current Chemistry</i> , 2013, 340, 73-105.	4.0	21
94	Highâ€throughput enantioseparation of NÎ±â€fluorenylmethoxycarbonyl proteinogenic amino acids through fast chiral chromatography on zwitterionic-teicoplanin stationary phases. <i>Journal of Chromatography A</i> , 2020, 1624, 461235.	1.8	21
95	Stereodynamic Investigation of Labile Stereogenic Centres in Dihydroartemisinin. <i>Molecules</i> , 2010, 15, 1309-1323.	1.7	20
96	HPLC resolution of atropisomeric compounds on a csp derived from (1R;2R)-diaminocyclohexane: Thermodynamic data from variable temperature chromatography. <i>Chirality</i> , 1992, 4, 384-388.	1.3	19
97	Direct high-performance liquid chromatographic resolution of planar chiral tricarbonyl (Î¶-6-arene)-chromium(0) complexes. <i>Journal of Chromatography A</i> , 1995, 693, 63-68.	1.8	19
98	Determination of the absolute configurations of chiral organometallic complexes via density functional theory calculations of their vibrational circular dichroism spectra: The chiral chromium tricarbonyl complex of N-pivaloyl-tetrahydroquinoline. <i>Inorganica Chimica Acta</i> , 2008, 361, 987-999.	1.2	19
99	Stereolability of Dihydroartemisinin, an Antimalarial Drug: A Comprehensive Thermodynamic Investigation. Part 1. <i>Journal of Organic Chemistry</i> , 2011, 76, 1751-1758.	1.7	19
100	Separation of complex sugar mixtures on a hydrolytically stable bidentate urea-type stationary phase for hydrophilic interaction near ultra high performance liquid chromatography. <i>Journal of Separation Science</i> , 2014, 37, 527-535.	1.3	19
101	Polyaspartamide-Doxorubicin Conjugate as Potential Prodrug for Anticancer Therapy. <i>Pharmaceutical Research</i> , 2015, 32, 1557-1569.	1.7	19
102	Atropisomerism in 3-arylthiazolidine-2-thiones. A combined dynamic NMR and dynamic HPLC study. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11137-11147.	1.5	19
103	Direct high-performance liquid chromatography resolution on chiral columns of tiaprofenic acid and related compounds in bulk powder and pharmaceutical formulations. <i>Journal of Chromatography A</i> , 1995, 704, 217-223.	1.8	18
104	Isolation and Identification of 2,4,6-Trihydroxyphenanthrene as a Byproduct of trans-Resveratrol Photochemical Isomerization and Electrocyclization. <i>Journal of Organic Chemistry</i> , 2014, 79, 9381-9384.	1.7	18
105	A straightforward synthesis of proclavaminc acid, a biosynthetic precursor of clavulanic acid. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 2277-2286.	1.8	17
106	The Associative Properties of Some Amphiphilic Fullerene Derivatives. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1884-1891.	1.2	17
107	Stereolability of Dihydroartemisinin, an Antimalarial Drug: A Comprehensive Kinetic Investigation. Part 2. <i>Journal of Organic Chemistry</i> , 2011, 76, 4831-4840.	1.7	17
108	Stereochemical Stability and Absolute Configuration of Atropisomeric Alkylthioporphyrzines by Dynamic NMR and HPLC Studies and Computational Analysis of HPLCâ€ECD Recorded Spectra. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4029-4037.	1.2	17

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109	Stereoselective synthesis of $\hat{I}\pm$ -aryl-2-benzofuranmethanamines and $\hat{I}\pm$ -aryl-1H-indole-2-methanamines through palladium-mediated annulation of chiral $\hat{I}\pm$ -arylpropargylamines. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1681-1685.	1.8	16
110	Natural and totally synthetic receptors in the innovative design of HPLC chiral stationary phases. <i>Pure and Applied Chemistry</i> , 2003, 75, 407-412.	0.9	16
111	Efficient organic monoliths prepared by $\hat{I}^3$ -radiation induced polymerization in the evaluation of histone deacetylase inhibitors by capillary(nano)-high performance liquid chromatography and ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 3862-3875.	1.8	16
112	Capillary methacrylate-based monoliths by grafting from/to $\hat{I}^3$ -ray polymerization on a tentacle-type reactive surface for the liquid chromatographic separations of small molecules and intact proteins. <i>Journal of Chromatography A</i> , 2017, 1498, 46-55.	1.8	15
113	Discrimination of the enantiomers of biphenylic derivatives in micellar aggregates formed by chiral amidic surfactants. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1868-1876.	1.8	14
114	The dynamic chromatographic behavior of tri-o-thymotide on HPLC chiral stationary phases. <i>Chemical Communications</i> , 2012, 48, 3167.	2.2	14
115	Dynamic Behavior of Clobazam on High-Performance Liquid Chromatography Chiral Stationary Phases. <i>Chirality</i> , 2016, 28, 17-21.	1.3	14
116	Single-run reversed-phase HPLC method for determining sertraline content, enantiomeric purity, and related substances in drug substance and finished product. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 610-616.	2.4	14
117	HPLC chiral stationary phases containing macrocyclic antibiotics: practical aspects and recognition mechanism. <i>Advances in Chromatography</i> , 2008, 46, 109-73.	1.0	14
118	Synthesis of Heterohelicenes by a Catalytic Multi-Component Povarov Reaction. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 164-167.	1.2	13
119	HPLC enantioseparation and absolute configuration of novel anti-inflammatory pyrrole derivatives. <i>Chirality</i> , 2008, 20, 775-780.	1.3	12
120	Revealing the Fine Details of Functionalized Silica Surfaces by Solid-State NMR and Adsorption Isotherm Measurements: The Case of Fluorinated Stationary Phases for Liquid Chromatography. <i>Chemistry - A European Journal</i> , 2014, 20, 8138-8148.	1.7	12
121	Unusual complexation behavior between daclatasvir and $\hat{I}^3$ -Cyclodextrin. A multiplatform study. <i>Journal of Chromatography A</i> , 2020, 1628, 461448.	1.8	12
122	Direct chromatographic resolution of P-chiral phosphinoylethenes on a chiral stationary phase containing N,N $\hat{E}^2$ -(3,5-dinitrobenzoyl)-trans-1,2-diaminocyclohexane as selector. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 2017-2022.	1.8	11
123	Internal Motions in a Fulleropyrrolidine Tertiary Amide with Axial Chirality. <i>Journal of Organic Chemistry</i> , 2004, 69, 5785-5788.	1.7	11
124	Application of Circular Dichroism Spectroscopy in the Study of Mixed-Valence Asymmetric Ruthenium Polypyridyl Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 5861-5863.	1.9	11
125	Yonemitsu-type condensations catalysed by proline and Eu(OTf) $\hat{E}^3$ . <i>RSC Advances</i> , 2014, 4, 47992-47999.	1.7	11
126	Toward enantioselective nano ultrahigh-performance liquid chromatography with Whelk-O1 chiral stationary phase. <i>Electrophoresis</i> , 2014, 35, 2819-2823.	1.3	11



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127	A Silica-Supported Catalyst Containing 9-Amino-9-deoxy-epi-quinine and a Benzoic Acid Derivative for Stereoselective Batch and Flow Heterogeneous Reactions. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2020-2028.	1.2	11
128	Synthesis, Resolution, Configurational Stability, and Properties of Cationic Functionalized [5]Helicenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 11908-11923.	1.7	11
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