Francesco Gasparrini

List of Publications by Year in descending order

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209 papers	6,275 citations	53794 45 h-index	114465 63 g-index
243 all docs	243 docs citations	243 times ranked	4342 citing authors

#	Article	IF	Citations
1	Role of the Carbohydrate Moieties in Chiral Recognition on Teicoplanin-Based LC Stationary Phases. Analytical Chemistry, 2000, 72, 1767-1780.	6.5	213
2	High-performance liquid chromatography chiral stationary phases based on low-molecular-mass selectors. Journal of Chromatography A, 2001, 906, 35-50.	3.7	152
3	Simultaneous determination of 16 anti-HIV drugs in human plasma by high-performance liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 831, 258-266.	2.3	124
4	Determination of the Absolute Configuration of a Chiral Oxadiazol-3-one Calcium Channel Blocker, Resolved Using Chiral Chromatography, via Concerted Density Functional Theory Calculations of Its Vibrational Circular Dichroism, Electronic Circular Dichroism, and Optical Rotation. Journal of Organic Chemistry, 2007, 72, 4707-4715.	3.2	113
5	Dynamic HPLC on chiral stationary phases: A powerful tool for the investigation of stereomutation processes. Journal of Separation Science, 2006, 29, 1508-1516.	2.5	102
6	Molecular Recognition by a Silica-Bound Fullerene Derivative. Journal of the American Chemical Society, 1997, 119, 7550-7554.	13.7	101
7	Study of mechanisms of chiral discrimination of amino acids and their derivatives on a teicoplanin-based chiral stationary phase. Journal of Chromatography A, 2004, 1031, 143-158.	3.7	98
8	Enantioselective Recognition by a New Chiral Stationary Phase at the Receptor Level. Journal of Organic Chemistry, 1995, 60, 4314-4315.	3.2	88
9	Introducing Enantioselective Ultrahigh-Pressure Liquid Chromatography (eUHPLC): Theoretical Inspections and Ultrafast Separations on a New Sub-2-Î¼m Whelk-O1 Stationary Phase. Analytical Chemistry, 2012, 84, 6805-6813.	6.5	83
10	Enantiomerization barriers by dynamic HPLC. Stationary phase effects. Tetrahedron: Asymmetry, 1997, 8, 2069-2073.	1.8	79
11	Epoxidation and Oxygen Insertion Into Alkane Ch Bonds by Dioxirane Do Not Involve Detectable Radical Pathways. Chemistry - A European Journal, 1997, 3, 105-109.	3.3	79
12	Ultra-fast high-efficiency enantioseparations by means of a teicoplanin-based chiral stationary phase made on sub-2Î¼m totally porous silica particles of narrow size distribution. Journal of Chromatography A, 2016, 1427, 55-68.	3.7	75
13	Nucleophilic attack of amine and hydroxide to platinum dibenzonitrile dichloride. Crystal structure of [Pt(NH:CPhN-tert-BuCH2CH2NH-tert-Bu)Cl(NHCOPh)] and 108, 1180-1185.	13.7	72
14	Pirkle-type chiral stationary phase on coreâ€“shell and fully porous particles: Are superficially porous particles always the better choice toward ultrafast high-performance enantioseparations?. Journal of Chromatography A, 2016, 1466, 96-104.	3.7	71
15	A ?quasi-flexible? automatic docking processing for studying stereoselective recognition mechanisms. Part I. Protocol validation. Journal of Computational Chemistry, 2000, 21, 515-530.	3.3	70
16	Determination of the Polarities of Some Ionic Liquids Using 2-Nitrocyclohexanone as the Probe. Journal of Organic Chemistry, 2005, 70, 8193-8196.	3.2	70
17	Gold(III)-catalyzed one-pot synthesis of isoxazoles from terminal alkynes and nitric acid. Journal of the American Chemical Society, 1993, 115, 4401-4402.	13.7	66
18	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. Journal of Chromatography A, 2010, 1217, 990-999.	3.7	64

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19	Recent advancements and future directions of superficially porous chiral stationary phases for ultrafast high-performance enantioseparations. Analyst, The, 2017, 142, 555-566.	3.5	64
20	Direct chromatographic resolution of carnitine and O-acylcarnitine enantiomers on a teicoplanin-bonded chiral stationary phase. Journal of Chromatography A, 1999, 857, 145-155.	3.7	63
21	Study of the Aggregation Properties of a Novel Amphiphilic C60 Fullerene Derivative. Langmuir, 2001, 17, 6404-6407.	3.5	63
22	Synthesis of Sugarâ€Based Silica Gels by Copperâ€Catalysed Azideâ€“Alkyne Cycloaddition via a Singleâ€Step Azidoâ€Activated Silica Intermediate and the Use of the Gels in Hydrophilic Interaction Chromatography. Chemistry - A European Journal, 2010, 16, 5712-5722.	3.3	63
23	Organic Stereochemistry and Conformational Analysis from Enantioselective Chromatography and Dynamic Nuclear Magnetic Resonance Measurements. Accounts of Chemical Research, 1995, 28, 163-170.	15.6	61
24	Application of a new chiral stationary phase containing the glycopeptide antibiotic A-40,926 in the direct chromatographic resolution of Î²-amino acids. Tetrahedron: Asymmetry, 2000, 11, 2375-2385.	1.8	61
25	Calcium Channel Antagonists Discovered by a Multidisciplinary Approach. Journal of Medicinal Chemistry, 2006, 49, 5206-5216.	6.4	61
26	Comparison of Dynamic HPLC and Dynamic NMR in the Study of Conformational Stereodynamics:Â Case of the Enantiomers of a Hindered Secondary Phosphine Oxide1. Journal of the American Chemical Society, 2000, 122, 4776-4780.	13.7	60
27	Enantioselective ultra high performance liquid and supercritical fluid chromatography: The race to the shortest chromatogram. Journal of Separation Science, 2018, 41, 1307-1318.	2.5	59
28	Chromatographic resolution of 1,2-amino alcohols on a chiral stationary phase containing N,Nâ€²-(3,5-dinitrobenzoyl)-trans-1,2-diaminocyclohexane. Journal of Chromatography A, 1991, 539, 25-36.	3.7	58
29	Evaluation of the macrocyclic glycopeptide A-40,926 as a high-performance liquid chromatographic chiral selector and comparison with teicoplanin chiral stationary phase. Journal of Chromatography A, 2000, 897, 113-129.	3.7	55
30	Chiral Azole Derivatives. 4.1Enantiomers of Bifonazole and Related Antifungal Agents:Â Synthesis, Configuration Assignment, and Biological Evaluation. Journal of Organic Chemistry, 2000, 65, 4736-4739.	3.2	55
31	Carbon nanotubes on HPLC silica microspheres. Carbon, 2006, 44, 1609-1613.	10.3	55
32	An enzymatic, stereoselective synthesis of (S)-norcoclaurine. Green Chemistry, 2010, 12, 1623.	9.0	55
33	Chromatographic optical resolution ontrans-1,2-diaminocyclohexane derivatives: Theory and applications. Chirality, 1992, 4, 447-458.	2.6	54
34	New HPLC-chiral stationary phases for enantiomeric resolution of sulfoxides and selenoxides. Chromatographia, 1987, 24, 505-509.	1.3	53
35	New hybrid polymeric liquid chromatography chiral stationary phase prepared by surface-initiated polymerization. Journal of Chromatography A, 2005, 1064, 25-38.	3.7	53
36	Efficient Thiaâ€Bridged Triarylamine Heterohelicenes: Synthesis, Resolution, and Absolute Configuration Determination. Chemistry - A European Journal, 2008, 14, 5747-5750.	3.3	53

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37	Conformational studies by dynamic NMR. 47. Conformation, stereodynamics, and chiral separation of the rotational enantiomers of hindered naphthyl ketones. Journal of the American Chemical Society, 1992, 114, 6521-6527.	13.7	52
38	Cannabis through the looking glass: chemo- and enantio-selective separation of phytocannabinoids by enantioselective ultra high performance supercritical fluid chromatography. Chemical Communications, 2017, 53, 12262-12265.	4.1	52
39	Stereomutations of Atropisomers of Sterically Hindered Salophen Ligands. Journal of Organic Chemistry, 2005, 70, 8877-8883.	3.2	50
40	Rationale behind the optimum efficiency of columns packed with new 1.9Î¼m fully porous particles of narrow particle size distribution. Journal of Chromatography A, 2016, 1454, 78-85.	3.7	49
41	Enantioseparation by ultra-high-performance liquid chromatography. TrAC - Trends in Analytical Chemistry, 2014, 63, 95-103.	11.4	48
42	Expanding the potential of chiral chromatography for high-throughput screening of large compound libraries by means of subâ€“2Î¼m Whelk-O 1 stationary phase in supercritical fluid conditions. Journal of Chromatography A, 2015, 1383, 160-168.	3.7	48
43	Gold(III) catalyzed oxidation of sulfides to sulfoxides by nitric acid under phase-transfer conditions: a new synthesis of sulfoxides. Tetrahedron, 1983, 39, 3181-3184.	1.9	47
44	Conformational Studies by Dynamic NMR. 86.1Structure, Stereodynamics, and Cryogenic Enantioseparation of the Stereolabile Isomers ofo-Dinaphthylphenyl Derivatives. Journal of Organic Chemistry, 2002, 67, 1663-1668.	3.2	47
45	Combination of HPLC â€œInverted Chirality Columns Approachâ€•and MS/MS Detection for Extreme Enantiomeric Excess Determination Even in Absence of Reference Samples. Application to Camptothecin Derivatives. Analytical Chemistry, 2007, 79, 6013-6019.	6.5	46
46	Development of an improved online comprehensive hydrophilic interaction chromatographyÂÃ—Âreversed-phase ultra-high-pressure liquid chromatography platform for complex multiclass polyphenolic sample analysis. Journal of Separation Science, 2017, 40, 2188-2197.	2.5	45
47	Enantiomeric resolution of sulfoxides on a DACH-DNB chiral stationary phase: A quantitative structure-enantioselective retention relationship (QSERR) study. Chirality, 1993, 5, 527-537.	2.6	44
48	Conformational studies by dynamic NMR. 50. Atropisomerism in hindered naphthyl sulfoxides: structure, stereodynamics, and chiral resolution. Journal of Organic Chemistry, 1993, 58, 5674-5682.	3.2	44
49	Synthesis, Chromatographic Separation, Vibrational Circular Dichroism Spectroscopy, and ab Initio DFT Studies of Chiral Thiepane Tetraol Derivatives. Journal of Organic Chemistry, 2005, 70, 664-669.	3.2	44
50	Enantioselective chromatography on brush-type chiral stationary phases containing totally synthetic selectors theoretical aspects and practical applications. Journal of Chromatography A, 1996, 724, 79-90.	3.7	43
51	Immobilized trypsin on epoxy organic monoliths with modulated hydrophilicity: Novel bioreactors useful for protein analysis by liquid chromatography coupled to tandem mass spectrometry. Journal of Chromatography A, 2011, 1218, 8937-8945.	3.7	43
52	A general procedure for the selective oxidation of sulfides to sulfoxides by nitric acid: tetrabromoaurate(III) catalyst in a biphasic system. Journal of Organic Chemistry, 1990, 55, 1323-1328.	3.2	42
53	Synthesis ofC-Alkylcalix[4]arenes. 4. Design, Synthesis, and Computational Studies of Novel Chiral Amido[4]resorcinarenes. Journal of Organic Chemistry, 1997, 62, 932-938.	3.2	42
54	Atropisomerism in Hindered Naphthyl Sulfones Investigated by Dynamic NMR and Dynamic HPLC Techniques. Journal of Organic Chemistry, 1995, 60, 5515-5519.	3.2	41

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55	â€œQuasi flexibleâ€•automatic docking processing for studying stereoselective recognition mechanisms, part 2: Prediction of Î”Î”G of complexation and1H-NMR NOE correlation. Journal of Computational Chemistry, 2007, 28, 1119-1128.	3.3	41
56	Recent Achievements and Future Challenges in Supercritical Fluid Chromatography for the Enantioselective Separation of Chiral Pharmaceuticals. Chromatographia, 2019, 82, 65-75.	1.3	41
57	High-performance liquid chromatography on chiral packed microbore columns with the 3,5-dinitrobenzoyl derivative of trans-1,2-diaminocyclohexane as selector. Journal of Chromatography A, 1988, 457, 235-245.	3.7	40
58	A Chiral A2B2Macrocyclic Minireceptor with Extreme Enantioselectivity. Organic Letters, 2002, 4, 3993-3996.	4.6	40
59	Enantioselective ultra-high and high performance liquid chromatography: A comparative study of columns based on the Whelk-O1 selector. Journal of Chromatography A, 2012, 1269, 226-241.	3.7	40
60	Dynamic high performance liquid chromatography on chiral stationary phases. Low temperature separation of the interconverting enantiomers of diazepam, flunitrazepam, prazepam and tetrazepam. Journal of Chromatography A, 2014, 1363, 144-149.	3.7	40
61	Future perspectives in high efficient and ultrafast chiral liquid chromatography through zwitterionic teicoplanin-based 2-Î¼m superficially porous particles. Journal of Chromatography A, 2017, 1520, 91-102.	3.7	40
62	Chiral ?-substituted ?-aryloxy acetic acids: Synthesis, absolute configuration, chemical resolution, and direct separation by hplc. Chirality, 1992, 4, 193-203.	2.6	38
63	Cannabis sativa L. Inflorescences from Monoecious Cultivars Grown in Central Italy: An Untargeted Chemical Characterization from Early Flowering to Ripening. Molecules, 2020, 25, 1908.	3.8	38
64	Enantioselective and Diastereoselective Binding Study of Silica Bound Macrobicyclic Receptors by HPLC. Journal of Organic Chemistry, 1997, 62, 8221-8224.	3.2	37
65	Grandione, a new heptacyclic dimeric diterpene from Torreya grandis Fort.. Tetrahedron, 1999, 55, 11385-11394.	1.9	37
66	Induced-Fit in the Gas Phase:â€‰ Conformational Effects on the Enantioselectivity of Chiral Tetra-Amide Macrocycles. Journal of the American Chemical Society, 2008, 130, 522-534.	13.7	37
67	Fluorous Affinity Chromatography for Enrichment and Determination of Perfluoroalkyl Substances. Analytical Chemistry, 2012, 84, 7138-7145.	6.5	35
68	Isolation and structure elucidation of four new triterpenoid estersaponins from fruits of Pittosporum tobira ait.. Tetrahedron, 2002, 58, 10127-10136.	1.9	34
69	The Way to Ultrafast, High-Throughput Enantioseparations of Bioactive Compounds in Liquid and Supercritical Fluid Chromatography. Molecules, 2018, 23, 2709.	3.8	34
70	Experimental evidence of the kinetic performance achievable with columns packed with new 1.9Î¼m fully porous particles of narrow particle size distribution. Journal of Chromatography A, 2016, 1454, 86-92.	3.7	33
71	Î”⁹-cis-Tetrahydrocannabinol: Natural Occurrence, Chirality, and Pharmacology. Journal of Natural Products, 2021, 84, 2502-2510.	3.0	33
72	Enantioselective liquid chromatographic-electrospray mass spectrometric assay of Î²-adrenergic blockers: application to a pharmacokinetic study of sotalol in human plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 796, 45-54.	2.3	32

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73	Exceptional Gas-Phase Enantioselectivity of Chiral Tetramide Macrocycles. Journal of the American Chemical Society, 2005, 127, 11912-11913.	13.7	32
74	Twenty years of research on silica-based chiral stationary phases. Journal of Separation Science, 2006, 29, 770-781.	2.5	32
75	New frontiers and cutting edge applications in ultra high performance liquid chromatography through latest generation superficially porous particles with particular emphasis to the field of chiral separations. Analytical and Bioanalytical Chemistry, 2018, 410, 2457-2465.	3.7	32
76	Direct analysis of chiral active pharmaceutical ingredients and their counterions by ultra high performance liquid chromatography with macrocyclic glycopeptide-based chiral stationary phases. Journal of Chromatography A, 2018, 1576, 42-50.	3.7	32
77	Enantiomeric separation of dansyl- and dabsylamino acids by ligand-exchange chromatography with (S)- and (R)-phenylalaninamide-modified silica gel. Journal of Chromatography A, 1994, 666, 77-89.	3.7	31
78	Substituent effects on the enantioselective retention of anti-HIV 5-aryl-?2-1,2,4-oxadiazolines onR, R-DACH-DNB chiral stationary phase. , 1996, 8, 556-566.		31
79	Carbon-Carbon Bond Forming Reactions In Supercritical Carbon Dioxide in the Presence of a Supported Palladium Catalyst. Synlett, 1999, 1999, 345-347.	1.8	31
80	Design and evaluation of hydrolytically stable bidentate urea-type stationary phases for hydrophilic interaction chromatography. Journal of Chromatography A, 2012, 1232, 196-211.	3.7	31
81	Enantioselective UHPLC Screening Combined with In Silico Modeling for Streamlined Development of Ultrafast Enantiopurity Assays. Analytical Chemistry, 2022, 94, 1804-1812.	6.5	31
82	Extending the use of â€œInverted Chirality Columns Approachâ€•for enantiomeric excess determination in absence of reference samples: Application to a water-soluble camptothecin derivative. Journal of Chromatography A, 2010, 1217, 1024-1032.	3.7	30
83	Conformational Studies by Dynamic NMR. 89.1Stereomutation and Cryogenic Enantioseparation of Conformational Antipodes of Hindered Aryl Oximes. Journal of Organic Chemistry, 2002, 67, 3089-3095.	3.2	29
84	Gasâ€phase enantioselective reactions in noncovalent ionâ€molecule complexes. Chirality, 2009, 21, 69-86.	2.6	29
85	Analysis of bovine milk caseins on organic monolithic columns: An integrated capillary liquid chromatographyâ€“high resolution mass spectrometry approach for the study of time-dependent casein degradation. Journal of Chromatography A, 2013, 1313, 259-269.	3.7	29
86	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. Analytical Chemistry, 2018, 90, 10828-10836.	6.5	29
87	Enantioselectivity and reactivity of immobilized lipase in supercritical carbon dioxide. Journal of Molecular Catalysis, 1994, 89, L11-L18.	1.2	28
88	Chiral discrimination by ligand-exchange chromatography: A comparison between phenylalaninamide-based stationary and mobile phases. Chirality, 1996, 8, 452-461.	2.6	27
89	Efficient enantiorecognition of ruthenium(II) complexes by silica-bound teicoplanin. Tetrahedron: Asymmetry, 2000, 11, 3535-3541.	1.8	27
90	Enantiomerization Study of Some Î±-Nitroketones by Dynamic High-Resolution Gas Chromatography. Journal of Organic Chemistry, 2003, 68, 3173-3177.	3.2	27

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91	Evaluation of teicoplanin chiral stationary phases of 3.5 and 5Î¼m inside diameter silica microparticles by polar-organic mode capillary electrochromatography. Electrophoresis, 2003, 24, 3000-3005.	2.4	26
92	Enantiomerization of Chiral Uranylâ"Salophen Complexes via Unprecedented Ligand Hemilability: Toward Configurationally Stable Derivatives. Journal of Organic Chemistry, 2008, 73, 6108-6118.	3.2	26
93	Understanding Mixed-Mode Retention Mechanisms in Liquid Chromatography with Hydrophobic Stationary Phases. Analytical Chemistry, 2014, 86, 4919-4926.	6.5	26
94	Addition of hydroxide, alkoxide, and carboxylate anions to platinum-bonded ethylene. Journal of the Chemical Society Dalton Transactions, 1990, , 1019.	1.1	25
95	An Efficient Route to Tetrahydronaphthols via Addition of Ortho-Lithiated Stilbene Oxides to Î±,Î²-Unsaturated Fischer Carbene Complexes. Organic Letters, 2005, 7, 4895-4898.	4.6	25
96	On the effect of chiral selector loading and mobile phase composition on adsorption properties of latest generation fully- and superficially-porous Whelk-O1 particles for high-efficient ultrafast enantioseparations. Journal of Chromatography A, 2018, 1579, 41-48.	3.7	25
97	A Biphasic Process for the Oxidation of Sulfides: A New Convenient Route to Sulfoxides. Synthetic Communications, 1984, 14, 1111-1117.	2.1	24
98	Direct resolution of racemic compounds on chiral microbore columns by sub- and supercritical fluid chromatography. Journal of High Resolution Chromatography, 1990, 13, 182-184.	1.4	24
99	Direct resolution in sub- and supercritical fluid chromatography on packed columns containing trans-1,2-diaminocyclohexane derivatives as selectors. TrAC - Trends in Analytical Chemistry, 1993, 12, 137-144.	11.4	24
100	Synthesis and applications of novel, highly efficient HPLC chiral stationary phases: a chiral dimension in drug research analysis. Pharmaceutical Science & Technology Today, 1999, 2, 484-492.	0.7	24
101	Chromatographic resolution and enantiomerization barriers of axially chiral 1-naphthamides. Journal of Separation Science, 2001, 24, 941-946.	2.5	24
102	Oxidation of n-alkyl-n'-tosylhydrazines to hydroperoxides. Tetrahedron, 1978, 34, 135-139.	1.9	23
103	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. Journal of Organic Chemistry, 1995, 60, 97-102.	3.2	23
104	Enantio- and chemo-selective HPLC separations by chiralâ€"achiral tandem-columns approach: the combination of CHIROBIOTIC TAGâ„¢ and SCX columns for the analysis of propionyl carnitine and related impurities. Journal of Chromatography A, 2004, 1061, 167-173.	3.7	23
105	NMR enantiodiscrimination by cyclic tetraamidic chiral solvating agents. Tetrahedron: Asymmetry, 2005, 16, 3746-3751.	1.8	23
106	On-column epimerization of dihydroartemisinin: An effective analytical approach to overcome the shortcomings of the International Pharmacopoeia monographâ€†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 875, 180-191.	2.3	23
107	Dynamic HPLC of stereolabile iron(II) complexes on chiral stationary phases. Chirality, 2009, 21, 97-103.	2.6	23
108	Characterization of new types of stationary phases for fast and ultra-fast liquid chromatography by signal processing based on AutoCovariance Function: A case study of application to Passiflora incarnata L. extract separations. Journal of Chromatography A, 2010, 1217, 4355-4364.	3.7	23

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109	Molecular recognition of p - tert -butylcalixarenes by surface-linked fullerenes C 60 and C 70. Tetrahedron, 2001, 57, 6997-7002.	1.9	22
110	New chiral and restricted-access materials containing glycopeptides as selectors for the high-performance liquid chromatographic determination of chiral drugs in biological matrices. Journal of Chromatography A, 2008, 1191, 205-213.	3.7	22
111	Preparation of a five-co-ordinate platinumâ€"Ï€-ethylene complex: (biacetyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (bis Communications, 1973, , 369-370.	2.0	21
112	Dynamic behaviour of carbon-metallated palladium hydrazone complexes. Crystal structures of [{Pd[CH2CMe2C(î€†Nâ€"NMePh)Me]Cl}2] and [{Pd[CH2C(î€†Nâ€"NMePh)But]Cl}2]. Journal of the Chemical Society Dalton Transactions, 1985, , 1155-1161.	1.1	21
113	Adsorption Equilibria of Benzodiazepines on a Hybrid Polymeric Chiral Stationary Phase. Analytical Chemistry, 2005, 77, 3113-3122.	6.5	21
114	Chiral Supramolecular Selectors for Enantiomer Differentiation in Liquid Chromatography. Topics in Current Chemistry, 2013, 340, 73-105.	4.0	21
115	Highâ€"throughput enantioseparation of NÎ±â€"fluorenylmethoxycarbonyl proteinogenic amino acids through fast chiral chromatography on zwitterionic-teicoplanin stationary phases. Journal of Chromatography A, 2020, 1624, 461235.	3.7	21
116	Selective and regiospecific oxidation of dithiaalkanes in a gold(III) catalyzed phase-transfer process. Tetrahedron, 1984, 40, 165-170.	1.9	20
117	Stereodynamic Investigation of Labile Stereogenic Centres in Dihydroartemisinin. Molecules, 2010, 15, 1309-1323.	3.8	20
118	HPLC resolution of atropoisomeric compounds on a csp derived from (1R;2R)-diaminocyclohexane: Thermodynamic data from variable temperature chromatography. Chirality, 1992, 4, 384-388.	2.6	19
119	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. Inorganica Chimica Acta, 2008, 361, 987-999.	2.4	19
120	Stereolability of Dihydroartemisinin, an Antimalarial Drug: A Comprehensive Thermodynamic Investigation. Part 1. Journal of Organic Chemistry, 2011, 76, 1751-1758.	3.2	19
121	Separation of complex sugar mixtures on a hydrolytically stable bidentate urea-type stationary phase for hydrophilic interaction near ultra high performance liquid chromatography. Journal of Separation Science, 2014, 37, 527-535.	2.5	19
122	Binding of Dipeptides and Amino Acids to Teicoplanin Chiral Stationary Phase: Apparent Homogeneity of Some Heterogeneous Systems. Analytical Chemistry, 2009, 81, 6735-6743.	6.5	18
123	Crystal structure of the complex of palladium with biacetyl-bis(N-methyl,N-phenyl)osazone. Challenge, 1971, , 1415.	0.4	17
124	Regiospecific metallation in palladiumâ€"hydrazone complexes. Journal of the Chemical Society Dalton Transactions, 1983, , 1483-1487.	1.1	17
125	Nitric Acid Facile Oxidation of Mono and Diarylcarbinols to Carbonyl Compounds in a Biphasic System. Synthetic Communications, 1988, 18, 69-75.	2.1	17
126	An Unexpected Highly Stereoselective Bisaziridination of (E,E)-1,4-Dialkyl-2,3-dinitrobutadienes Followed by a Nitro Group Driven Ring Enlargement. Journal of Organic Chemistry, 2009, 74, 9314-9318.	3.2	17

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127	Stereolability of Dihydroartemisinin, an Antimalarial Drug: A Comprehensive Kinetic Investigation. Part 2. Journal of Organic Chemistry, 2011, 76, 4831-4840.	3.2	17
128	Access to 5,5'-diaryl substituted 4,5,4',5'-tetrahydro[3,3']bi-isoxazolyl 2,2'-dioxides, 4,5,4',5'-tetrahydro[3,3']bi-isoxazolyls and [3,3']bi-isoxazolyls via an initial ring-opening of 3,4-dinitrothiophene. Arkivoc, 2003, 2002, 142-158.	0.5	17
129	Natural and totally synthetic receptors in the innovative design of HPLC chiral stationary phases. Pure and Applied Chemistry, 2003, 75, 407-412.	1.9	16
130	Efficient organic monoliths prepared by Î³-radiation induced polymerization in the evaluation of histone deacetylase inhibitors by capillary(nano)-high performance liquid chromatography and ion trap mass spectrometry. Journal of Chromatography A, 2011, 1218, 3862-3875.	3.7	16
131	Mass transfer kinetics on modern Whelk-O1 chiral stationary phases made on fully- and superficially-porous particles. Journal of Chromatography A, 2021, 1637, 461854.	3.7	16
132	Synthesis of dimethyl acetals. diethyl acetals. and cyclic acetals catalyzed by aminopropylated silica gel hydrochloride (APSG-HCL). Tetrahedron, 1984, 40, 1491-1500.	1.9	15
133	Chiral Ions in the Gas Phase. 1. Intramolecular Racemization and Isomerization of O-Protonated (S)-trans-4-Hexen-3-ol. Journal of the American Chemical Society, 1997, 119, 4525-4534.	13.7	15
134	Adsorption Mechanisms in Normal-Phase Chromatography. Mobile-Phase Modifier Adsorption from Dilute Solutions and Displacement Effect. Analytical Chemistry, 2007, 79, 3802-3809.	6.5	15
135	Synthesis and characterization of novel internal surface reversed-phase silica supports for high-performance liquid chromatography. Journal of Chromatography A, 2007, 1176, 79-88.	3.7	15
136	A rational approach to predict and modulate stereolability of chiral Î± substituted ketones. Chirality, 2009, 21, 24-34.	2.6	15
137	A New Method to Investigate the Intrusion of Water into Porous Hydrophobic Structures under Dynamic Conditions. Analytical Chemistry, 2013, 85, 19-22.	6.5	15
138	Capillary methacrylate-based monoliths by grafting from/to Î³-ray polymerization on a tentacle-type reactive surface for the liquid chromatographic separations of small molecules and intact proteins. Journal of Chromatography A, 2017, 1498, 46-55.	3.7	15
139	Hindered rotation about the metalâ€“nitrogen bond in trans-dichlorodihydrazonepalladium(II) complexes and X-ray crystal structure of trans-bis(acetone) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td (methylphenylhydra 1977, , 1747-1752.	1.1	14
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