Oliver Trapp

List of Publications by Year
in descending order

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187	5,649	66343	118850
papers	citations	42 h-index	62 g-index

225	225	225	4696
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic Exchange of Substituents in a Prebiotic Organocatalyst: Initial Steps towards an Evolutionary System. Angewandte Chemie - International Edition, 2022, 61, e202112563.	13.8	18
2	Editors' note. Chirality, 2022, 34, 699-700.	2.6	0
3	Possible Ribose Synthesis in Carbonaceous Planetesimals. Life, 2022, 12, 404.	2.4	6
4	Chiral stationary phases and applications in gas chromatography. Chirality, 2022, 34, 732-759.	2.6	32
5	Diastereoselective synthesis of a cyclic diamideâ€bridged biphenyl as chiral atropos ligand. Chirality, 2022, , .	2.6	2
6	Mackinawiteâ€Supported Reduction of C₁ Substrates into Prebiotically Relevant Precursors. ChemSystemsChem, 2022, 4, .	2.6	4
7	Asymmetric Induction and Amplification in Stereodynamic Catalytic Systems by Noncovalent Interactions. Synlett, 2021, 32, 971-980.	1.8	9
8	Reaction Network Analysis of the Rutheniumâ€Catalyzed Reduction of Carbon Dioxide to Dimethoxymethane. ChemCatChem, 2021, 13, 2807-2814.	3.7	4
9	Scorpioâ€Ligand: Synthesis of Biphenylâ€Dihydroazepine Phosphoramidite Ligands for Asymmetric Hydrogenation. Helvetica Chimica Acta, 2021, 104, e2100147.	1.6	5
10	First Steps Towards Molecular Evolution. Advances in Astrobiology and Biogeophysics, 2021, , 165-182.	0.6	3
11	From amino acid mixtures to peptides in liquid sulphur dioxide on early Earth. Nature Communications, 2021, 12, 7182.	12.8	11
12	Evolution of imaging in surgical fracture management. Injury, 2020, 51, S51-S56.	1.7	13
13	Mineral-mediated carbohydrate synthesis by mechanical forces in a primordial geochemical setting. Communications Chemistry, 2020, 3, .	4.5	46
14	Investigation of Straightforward, Photoinduced Alkylations of Electronâ€Rich Heterocompounds with Electronâ€Deficient Alkyl Bromides in the Sole Presence of 2,6â€Lutidine. European Journal of Organic Chemistry, 2020, 2020, 6192-6198.	2.4	11
15	In Situ Mass Spectrometric and Kinetic Investigations of Soai's Asymmetric Autocatalysis. Chemistry - A European Journal, 2020, 26, 15871-15880.	3.3	36
16	In Situ Mass Spectrometric and Kinetic Investigations of Soai's Asymmetric Autocatalysis. Chemistry - A European Journal, 2020, 26, 15758-15758.	3.3	1
17	Frontispiece: Prebiotic Nucleoside Synthesis: The Selectivity of Simplicity. Chemistry - A European Journal, 2020, 26, .	3.3	0
18	Efficient Amplification in Soai's Asymmetric Autocatalysis by a Transient Stereodynamic Catalyst. Frontiers in Chemistry, 2020, 8, 615800.	3.6	9

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19	A robust sheathâ€flow CEâ€MS interface for hyphenation with Orbitrap MS. Electrophoresis, 2020, 41, 1280-1286.	2.4	14
20	A Fast and Reliable Screening Setup for Homogeneous Catalysis with Gaseous Reactants at Extreme Temperatures and Pressures. Organic Process Research and Development, 2020, 24, 1304-1309.	2.7	4
21	Prebiotic Nucleoside Synthesis: The Selectivity of Simplicity. Chemistry - A European Journal, 2020, 26, 14776-14790.	3.3	30
22	Mechanistic Investigation into the Acetate-Initiated Catalytic Trimerization of Aliphatic Isocyanates: A Bicyclic Ride. Journal of Organic Chemistry, 2020, 85, 8553-8562.	3.2	8
23	Thiete Dioxides as Templates Towards Twisted Scaffolds and Macrocyclic Structures. Chemistry - A European Journal, 2020, 26, 6029-6035.	3.3	7
24	Prebiotically Plausible Organocatalysts Enabling a Selective Photoredox Î±â€Alkylation of Aldehydes on the Early Earth. Chemistry - A European Journal, 2020, 26, 10702-10706.	3.3	15
25	Publication of Chirality special issue in memory and honor of Professor Koji Nakanishi (1925â€2019). Chirality, 2020, 32, 421-422.	2.6	0
26	Enantioselectivity Induced by Stereoselective Interlocking: A Novel Core Motif for Tropos Ligands. Chemistry - A European Journal, 2019, 25, 11707-11714.	3.3	7
27	Design and synthesis of a stereodynamic catalyst with reversal of selectivity by enantioselective selfâ€inhibition. Chirality, 2019, 31, 1028-1042.	2.6	10
28	Multidimensional gas chromatography investigation of concentration and temperature effects of oxime interconversion on ionic liquid and poly(ethylene glycol) stationary phases. Analytica Chimica Acta, 2019, 1081, 200-208.	5.4	6
29	Direct Prebiotic Pathway to DNA Nucleosides. Angewandte Chemie - International Edition, 2019, 58, 9944-9947.	13.8	68
30	Direct Prebiotic Pathway to DNA Nucleosides. Angewandte Chemie, 2019, 131, 10049-10052.	2.0	17
31	Prebiotic Sugar Formation Under Nonaqueous Conditions and Mechanochemical Acceleration. Life, 2019, 9, 52.	2.4	29
32	Supramolecular Interlocked Biphenyl Ligands for Enantioselective Ti-Catalyzed Alkylation of Aromatic Aldehydes. Organometallics, 2019, 38, 3955-3960.	2.3	9
33	Continuous online process analytics with multiplexing gas chromatography by using calibrated convolution matrices. Journal of Chromatography A, 2019, 1595, 180-189.	3.7	1
34	Application of Hetero-Triphos Ligands in the Selective Ruthenium-Catalyzed Transformation of Carbon Dioxide to the Formaldehyde Oxidation State. Organometallics, 2019, 38, 1809-1814.	2.3	25
35	Inducing Enantioselectivity in a Dynamic Catalyst by Supramolecular Interlocking. Angewandte Chemie, 2019, 131, 6372-6376.	2.0	8
36	Inducing Enantioselectivity in a Dynamic Catalyst by Supramolecular Interlocking. Angewandte Chemie - International Edition, 2019, 58, 6306-6310.	13.8	33

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37	The Gigahertz and Terahertz spectrum of monodeutero-oxirane (c-C₂H₃DO). Physical Chemistry Chemical Physics, 2019, 21, 3669-3675.	2.8	6
38	Identifying high-performance catalytic conditions for carbon dioxide reduction to dimethoxymethane by multivariate modelling. Chemical Science, 2019, 10, 10466-10474.	7.4	22
39	Selective Ruthenium-Catalyzed Transformation of Carbon Dioxide: An Alternative Approach toward Formaldehyde. Journal of the American Chemical Society, 2019, 141, 334-341.	13.7	57
40	Investigation of Strain-Promoted Azideâ€“Alkyne Cycloadditions in Aqueous Solutions by Capillary Electrophoresis. Journal of Organic Chemistry, 2018, 83, 604-613.	3.2	9
41	Photoinduced Direct Conversion of Cyclohexane into Cyclohexanone Oxime using LEDs. ChemPhotoChem, 2018, 2, 22-26.	3.0	7
42	Direct Asymmetric Ruthenium-Catalyzed Reductive Amination of Alkylâ€“Aryl Ketones with Ammonia and Hydrogen. Journal of the American Chemical Society, 2018, 140, 355-361.	13.7	118
43	Schreibersite: an effective catalyst in the formose reaction network. New Journal of Physics, 2018, 20, 055003.	2.9	21
44	Significant sensitivity enhancement in Hadamard transform high-performance liquid chromatography by application of long modulation sequences constructed from lower order sequences. Journal of Chromatography A, 2018, 1575, 34-39.	3.7	2
45	Online High Throughput Measurements for Fast Catalytic Reactions Using Time-Division Multiplexing Gas Chromatography. Analytical Chemistry, 2018, 90, 9256-9263.	6.5	8
46	Development of an advanced derivatization protocol for the unambiguous identification of monosaccharides in complex mixtures by gas and liquid chromatography. Journal of Chromatography A, 2018, 1568, 160-167.	3.7	33
47	Supramolecular chirality transfer in a stereodynamic catalysts. Chirality, 2018, 30, 1150-1160.	2.6	15
48	Direct Hadamard Transform Capillary Zone Electrophoresis without Instrumental Modifications. Analytical Chemistry, 2018, 90, 8445-8453.	6.5	4
49	Synthesis of acrylates from olefins and CO2 using sodium alkoxides as bases. Catalysis Today, 2017, 281, 379-386.	4.4	36
50	Synthesis of Mono- and Dinuclear Vanadium Complexes and Their Reactivity toward Dehydroperoxidation of Alkyl Hydroperoxides. Inorganic Chemistry, 2017, 56, 1319-1332.	4.0	25
51	Synthesis of carbamates from carbon dioxide promoted by organostannanes and alkoxysilanes. Applied Organometallic Chemistry, 2017, 31, e3733.	3.5	12
52	Temperature-Controlled Bidirectional Enantioselectivity in Asymmetric Hydrogenation Reactions Utilizing Stereodynamic Iridium Complexes. Synthesis, 2017, 49, 3485-3494.	2.3	8
53	Attracting Enantiomers: Chiral Analytes That Are Simultaneously Shift Reagents Allow Rapid Screening of Enantiomeric Ratios by NMR Spectroscopy. Chemistry - A European Journal, 2017, 23, 5414-5418.	3.3	38
54	Online Continuous Trace Process Analytics Using Multiplexing Gas Chromatography. Analytical Chemistry, 2017, 89, 4038-4045.	6.5	6

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55	Special issue of Chirality: 28th chirality conference (ISCDâ€28). Chirality, 2017, 29, 331-331.	2.6	0
56	By-design enantioselective self-amplification based on non-covalent productâ€“catalyst interactions. Nature Chemistry, 2017, 9, 179-187.	13.6	53
57	Enhanced Activity and Recyclability of Palladium Complexes in the Catalytic Synthesis of Sodium Acrylate from Carbon Dioxide and Ethylene. ChemCatChem, 2017, 9, 2269-2274.	3.7	40
58	Stereodynamic tetrahydrobiisoindole â€œNU-BIPHEP(O)â€s: functionalization, rotational barriers and non-covalent interactions. Beilstein Journal of Organic Chemistry, 2016, 12, 1453-1458.	2.2	7
59	Synthesis of Industrially Relevant Carbamates towards Isocyanates using Carbon Dioxide and Organotin(IV) Alkoxides. ChemSusChem, 2016, 9, 1586-1590.	6.8	27
60	Comprehensive study on critical micellar concentrations of SDS in acetonitrileâ€“water solvents. Electrophoresis, 2016, 37, 1287-1295.	2.4	14
61	Oliver Trapp. Angewandte Chemie, 2016, 128, 3918-3918.	2.0	0
62	Oliver Trapp. Angewandte Chemie - International Edition, 2016, 55, 3854-3854.	13.8	1
63	Direct Synthesis of Primary Amines via Rutheniumâ€Catalysed Amination of Ketones with Ammonia and Hydrogen. Advanced Synthesis and Catalysis, 2016, 358, 358-363.	4.3	87
64	Improving the signal-to-noise ratio in gel permeation chromatography by Hadamard encoding. Journal of Chromatography A, 2016, 1448, 93-97.	3.7	11
65	Using chromatogram averaging to improve quantitation of minor impurities. Journal of Chromatography A, 2016, 1465, 205-210.	3.7	5
66	Rotational Barriers of Substituted BIPHEP Ligands: A Comparative Experimental and Theoretical Study. European Journal of Organic Chemistry, 2016, 2016, 5123-5126.	2.4	8
67	Organic Stereochemistry. Experimental and Computational Methods Von Hua-Jie Zhu.. Angewandte Chemie, 2016, 128, 15433-15433.	2.0	0
68	Synthesis of Cryptochiral (R,R)â€2,3â€Dideuterooxirane as Stereochemical Reference Compound and Chemical Correlation with Dâ€(+)â€Glyceraldehyde. Israel Journal of Chemistry, 2016, 56, 1082-1090.	2.3	3
69	A stereodynamic phosphoramidite ligand derived from 3,3â€²â€functionalized orthoâ€biphenol and its rhodium(I) complex. Chirality, 2016, 28, 744-748.	2.6	8
70	Enantiomerization of Allylic Trifluoromethyl Sulfoxides Studied by HPLC Analysis and DFT Calculations. Chirality, 2016, 28, 136-142.	2.6	2
71	Investigation of the Hydrogenation of 5â€Methylfurfural by Noble Metal Nanoparticles in a Microcapillary Reactor. ChemSusChem, 2016, 9, 583-587.	6.8	7
72	Ruthenium Nanoparticles in Highâ€Throughput Studies of Chemoselective Carbonyl Hydrogenation Reactions. ChemCatChem, 2016, 8, 571-576.	3.7	11

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73	Synthesis of Adipic Acid, 1,6-Hexanediamine, and 1,6-Hexanediol via Double-n-Selective Hydroformylation of 1,3-Butadiene. ACS Catalysis, 2016, 6, 2802-2810.	11.2	52
74	Synthesis of Naphthylpyridines from Unsymmetrical Naphthylheptadiynes and the Configurational Stability of the Biaryl Axis. Journal of Organic Chemistry, 2016, 81, 3087-3102.	3.2	34
75	Triphos derivatives and diphosphines as ligands in the ruthenium-catalysed alcohol amination with NH₃. Dalton Transactions, 2016, 45, 6856-6865.	3.3	28
76	Chiral 1,2â€Dialkenyl Diaziridines: Synthesis, Enantioselective Separation, and Nitrogen Inversion Barriers. Chirality, 2015, 27, 156-162.	2.6	10
77	Hyphenation of Hadamard Encoded Multiplexing Liquid Chromatography and Circular Dichroism Detection to Improve the Signal-to-Noise Ratio in Chiral Analysis. Analytical Chemistry, 2015, 87, 11932-11934.	6.5	11
78	Determination of the absolute configuration of a chiral epoxide using foil induced Coulomb explosion imaging. Journal of Physics: Conference Series, 2015, 635, 012014.	0.4	0
79	UVâ€Induced Tetrazoleâ€Thiol Reaction for Polymer Conjugation and Surface Functionalization. Angewandte Chemie - International Edition, 2015, 54, 8732-8735.	13.8	58
80	Palladiumâ€and Nickelâ€Catalyzed Synthesis of Sodium Acrylate from Ethylene, CO₂, and Phenolate Bases: Optimization of the Catalytic System for a Potential Process. European Journal of Organic Chemistry, 2015, 2015, 7122-7130.	2.4	45
81	Onâ€Column Reaction Setâ€Up for Highâ€Throughput Screenings and Mechanistic Investigations. Advanced Synthesis and Catalysis, 2015, 357, 3513-3520.	4.3	9
82	Implementation of Hadamard encoding for rapid multisample analysis in liquid chromatography. Journal of Separation Science, 2015, 38, 3839-3844.	2.5	14
83	Frontispiz: Temperaturgesteuerte bidirektionale EnantioselektivitÃt eines dynamischen Katalysators fÃ¼r asymmetrische Hydrierungen. Angewandte Chemie, 2015, 127, n/a-n/a.	2.0	0
84	Temperatureâ€Controlled Bidirectional Enantioselectivity in a Dynamic Catalyst for Asymmetric Hydrogenation. Angewandte Chemie - International Edition, 2015, 54, 3580-3586.	13.8	75
85	Investigation of the enantiomerization barriers of the phthalimidone derivatives EM12 and lenalidomide by dynamic electrokinetic chromatography. Electrophoresis, 2015, 36, 796-804.	2.4	13
86	Tautomerizationâ€Mediated Molecular Switching Between Sixâ€and Sevenâ€Membered Rings Stabilized by Hydrogen Bonding. Chemistry - A European Journal, 2015, 21, 8939-8945.	3.3	8
87	A Combined Experimental and Theoretical Study on the Stereodynamics of Monoaza[5]helicenes: Solventâ€Induced Increase of the Enantiomerization Barrier in 1â€Azaâ€[5]helicene. Chemistry - A European Journal, 2015, 21, 13919-13924.	3.3	25
88	5,5â€²-Diamino-BIPHEP ligands bearing small selector units for non-covalent binding of chiral analytes in solution. Chemical Communications, 2015, 51, 15665-15668.	4.1	30
89	Reactive Superhydrophobic Surface and Its Photoinduced Disulfide-ene and Thiol-ene (Bio)functionalization. Nano Letters, 2015, 15, 675-681.	9.1	86
90	Breakage of cephalomedullary nailing in operative treatment of trochanteric and subtrochanteric femoral fractures. Archives of Orthopaedic and Trauma Surgery, 2015, 135, 179-185.	2.4	55

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91	Chromatographically separable rotamers of an unhindered amide. Beilstein Journal of Organic Chemistry, 2014, 10, 701-706.	2.2	12
92	Surface Patterning via Thiolâ€Yne Click Chemistry: An Extremely Fast and Versatile Approach to Superhydrophilicâ€Superhydrophobic Micropatterns. Advanced Materials Interfaces, 2014, 1, 1400269.	3.7	127
93	Selectorâ€Induced Dynamic Deracemization of a Selectandâ€Modified Tropos BIPHEPOâ€Ligand: Application in the Organocatalyzed Asymmetric Doubleâ€Aldolâ€Reaction. Angewandte Chemie - International Edition, 2014, 53, 8756-8760.	13.8	38
94	Absolute configuration assignment of a chiral molecule in the gas phase using foil-induced Coulomb explosion imaging. Physical Review A, 2014, 90, .	2.5	6
95	Highâ€Throughput Multiplexing Gas Chromatography. Chemie-Ingenieur-Technik, 2014, 86, 1044-1051.	0.8	8
96	Direct UVâ€Induced Functionalization of Surface Hydroxy Groups by Thiolâ€“Ol Chemistry. Angewandte Chemie - International Edition, 2014, 53, 3835-3839.	13.8	29
97	Coulomb Explosion Imaged Cryptochiral (R,R)â€2,3â€Dideuterooxirane: Unambiguous Access to the Absolute Configuration of (+)â€Glyceraldehyde. Chemistry - A European Journal, 2014, 20, 5555-5558.	3.3	17
98	Comparison of a Molecular and an Immobilized Gadolinium(III)â€tris[(1R,4S)â€3â€heptafluorobutanoylâ€camphor] as Catalyst in the Asymmetric Danishefskyâ€Heteroâ€Dielsâ€Alderâ€Reaction. Chirality, 2014, 26, 243-248.	2.6	4
99	An Immobilised Grubbs 2nd Generation Catalyst for Application in Flowâ€Through Devices. Advanced Synthesis and Catalysis, 2014, 356, 2081-2087.	4.3	18
100	A continuous and multi valued system as molecular answer for data processing and data storage. Chemical Science, 2014, 5, 2677-2682.	7.4	3
101	From stereodynamics to high-throughput screening of catalysed reactions. Chemical Communications, 2014, 50, 14301-14309.	4.1	9
102	Development of a Straightforward and Robust Technique to Implement Hadamard Encoded Multiplexing to High-Performance Liquid Chromatography. Analytical Chemistry, 2014, 86, 10828-10833.	6.5	17
103	Physicochemical Measurements. , 2014, , 799-827.		0
104	Interconversion of Stereochemically Labile Enantiomers (Enantiomerization). Topics in Current Chemistry, 2013, 341, 231-269.	4.0	36
105	Imaging the Absolute Configuration of a Chiral Epoxide in the Gas Phase. Science, 2013, 342, 1084-1086.	12.6	118
106	Digital photography for the analysis of fluorescence responses. Chemical Science, 2013, 4, 273-281.	7.4	29
107	The Stereodynamics of 5,5â€™â€Disubstituted BIPHEPs. Chirality, 2013, 25, 126-132.	2.6	24
108	Application of cinchona-sulfonate-based chiral zwitterionic ion exchangers for the separation of proline-containing dipeptide rotamers and determination of on-column isomerization parameters from dynamic elution profiles. Analytica Chimica Acta, 2013, 795, 88-98.	5.4	23

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109	Distinguishing Alternative Reaction Pathways by Singleâ€Molecule Fluorescence Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 6322-6325.	13.8	62
110	Stereodynamics of Small 1,2â€Dialkyldiaziridines. Chirality, 2013, 25, 224-229.	2.6	11
111	Integrating reaction and analysis: investigation of higher-order reactions by cryogenic trapping. Beilstein Journal of Organic Chemistry, 2013, 9, 1837-1842.	2.2	10
112	Oxidations with bonded salen-catalysts in microcapillaries. Chemical Engineering Science, 2012, 83, 171-179.	3.8	19
113	Investigation of novel immobilized 3-(perfluoroalkanoyl)-(1R)-camphorate nickel complexes in enantioselective complexation gas chromatography. Journal of Chromatography A, 2012, 1269, 346-351.	3.7	5
114	Six-Membered, Chiral NHCs Derived from Camphor: Structureâ€“Reactivity Relationship in Asymmetric Oxindole Synthesis. Organometallics, 2012, 31, 1127-1132.	2.3	52
115	Straightforward Synthesis of Poly(dimethylsiloxane) Phases with Immobilized (1R)â€3â€(Perfluoroalkanoyl)camphorate Metal Complexes and Their Application in Enantioselective Complexation Gas Chromatography. European Journal of Organic Chemistry, 2012, 2012, 3929-3945.	2.4	16
116	Investigation of the Rearrangement in Alkylâ€Bridged Bis(carbamoyldiaziridine) Derivatives. European Journal of Organic Chemistry, 2012, 2012, 4733-4739.	2.4	7
117	Integration of onâ€column catalysis and <scp>EKC</scp> analysis: Investigation of enantioselective sulfoxidations. Electrophoresis, 2012, 33, 1060-1067.	2.4	15
118	Modular Palladium Bipyrazoles for the Isomerization of Allylbenzenes â€“ Mechanistic Considerations and Insights into Catalyst Design and Activity, Role of Solvent, and Additive Effects. Advanced Synthesis and Catalysis, 2012, 354, 1466-1480.	4.3	25
119	Effects of the Stationary Phase and the Solvent on the Stereodynamics of biphep Ligands Quantified by Dynamic Threeâ€Column HPLC. Angewandte Chemie - International Edition, 2012, 51, 2985-2988.	13.8	55
120	Catalysts by the meter: rapid screening approach of N-heterocyclic carbeneligand based catalysts. Chemical Communications, 2011, 47, 391-393.	4.1	22
121	Discrimination of Organic Acids Using a Three Molecule Array Based upon Cruciform Fluorophores. Journal of the American Chemical Society, 2011, 133, 7716-7718.	13.7	70
122	Integration of Catalysis and Analysis is the Key: Rapid and Precise Investigation of the Catalytic Asymmetric Gosteliâ€“Claisen Rearrangement. Journal of the American Chemical Society, 2011, 133, 16444-16450.	13.7	38
123	Bulky and Modular 3,3â€²â€Bipyrazoles as Ligands: Synthesis, Characterization, and Catalytic Activity of Pd Complexes. European Journal of Inorganic Chemistry, 2011, 2011, 5014-5024.	2.0	7
124	Stereochemistry of 2,6â€Diaminoadamantane Salts: Transannular Interactions. European Journal of Organic Chemistry, 2011, 2011, 3500-3506.	2.4	8
125	Aldehyde Cruciforms: Dosimeters for Primary and Secondary Amines. Chemistry - A European Journal, 2011, 17, 13720-13725.	3.3	39
126	Stereodynamics of tetramezine. Chirality, 2011, 23, 113-117.	2.6	31

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127	The stereodynamics of 1,2â€dipropyldiaziridines. Chirality, 2010, 22, 284-291.	2.6	20
128	Investigation of the stereodynamics of molecules and catalyzed reactions by CE. Electrophoresis, 2010, 31, 786-813.	2.4	36
129	Selectivity issues in targeted metabolomics: Separation of phosphorylated carbohydrate isomers by mixedâ€mode hydrophilic interaction/weak anion exchange chromatography. Journal of Separation Science, 2010, 33, 3273-3282.	2.5	76
130	Nonlinear effects in enantioselective chromatography: prediction of unusual elution profiles of enantiomers in non-racemic mixtures on an achiral stationary phase doped with small amounts of a chiral selector. Tetrahedron: Asymmetry, 2010, 21, 1334-1340.	1.8	30
131	Integration of reaction and separation in a micro-capillary column reactorâ€”Palladium nanoparticle catalyzed Câ€“C bond forming reactions. Chemical Engineering Science, 2010, 65, 2410-2416.	3.8	21
132	Chromatographic peak deconvolution of constitutional isomers by multiple-reaction-monitoring mass spectrometry. Journal of Chromatography A, 2010, 1217, 1010-1016.	3.7	8
133	Prof. Volker Schurig's 70th birthday. Journal of Chromatography A, 2010, 1217, 926-927.	3.7	1
134	Investigation of modulation parameters in multiplexing gas chromatography. Journal of Chromatography A, 2010, 1217, 6640-6645.	3.7	19
135	New Chiral and Flexible Metalâ^'Organic Framework with a Bifunctional Spiro Linker and Zn₄O-Nodes. Inorganic Chemistry, 2010, 49, 4440-4446.	4.0	51
136	Investigation of the stereodynamics of trisâ€(Î±â€diimine)â€“transition metal complexes by enantioselective dynamic MEKC. Electrophoresis, 2009, 30, 329-336.	2.4	8
137	Determination of enantiomerization barrier of thioridazine by dynamic capillary electrophoresis using sulfated cyclodextrins as chiral selectors. Electrophoresis, 2009, 30, 3071-3078.	2.4	18
138	Accessing reaction rate constants in on-column reaction chromatography: an extended unified equation for reaction educts and products with different response factors. Analytical and Bioanalytical Chemistry, 2009, 395, 1673-1679.	3.7	27
139	A novel software tool for high throughput measurements of interconversion barriers: DCXplorerâ^†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 875, 42-47.	2.3	70
140	Highâ€Throughput Kinetic Study of Hydrogenation over Palladium Nanoparticles: Combination of Reaction and Analysis. Chemistry - A European Journal, 2008, 14, 4657-4666.	3.3	64
141	Sensing on a Molecular Levelâ€”Chemistry at the Interface of Information Technology. Angewandte Chemie - International Edition, 2008, 47, 8158-8160.	13.8	10
142	Gas chromatographic high-throughput screening techniques in catalysis. Journal of Chromatography A, 2008, 1184, 160-190.	3.7	78
143	Boosting the Throughput of Separation Techniques by â€œMultiplexingâ€. Angewandte Chemie - International Edition, 2007, 46, 5609-5613.	13.8	68
144	Highâ€Throughput Screening of Catalysts by Combining Reaction and Analysis. Angewandte Chemie - International Edition, 2007, 46, 7307-7310.	13.8	115

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145	A dynamic molecular probe to investigate catalytic effects and Joule heating in enantioselective MEKC. Electrophoresis, 2007, 28, 691-696.	2.4	26
146	Stereoisomeric Separation of Flavanones and Flavanone-7-O-glycosides by Capillary Electrophoresis and Determination of Interconversion Barriers. Analytical Chemistry, 2006, 78, 3424-3433.	6.5	64
147	Unified Equation for Access to Rate Constants of First-Order Reactions in Dynamic and On-Column Reaction Chromatography. Analytical Chemistry, 2006, 78, 189-198.	6.5	153
148	Interconverting Conformations of Variants of the Human Amyloidogenic Protein Î²2-Microglobulin Quantitatively Characterized by Dynamic Capillary Electrophoresis and Computer Simulation. Analytical Chemistry, 2006, 78, 3667-3673.	6.5	23
149	Special Chromatographie. Maximale Information bei minimaler Analysenzeit. Nachrichten Aus Der Chemie, 2006, 54, 1111-1114.	0.0	4
150	Fast and precise access to enantiomerization rate constants in dynamic chromatography. Chirality, 2006, 18, 489-497.	2.6	80
151	The unified equation for the evaluation of first order reactions in dynamic electrophoresis. Electrophoresis, 2006, 27, 534-541.	2.4	40
152	The unified equation for the evaluation of degenerated first-order reactions in dynamic electrophoresis. Electrophoresis, 2006, 27, 2999-3006.	2.4	30
153	Peak Height Precision in Hadamard Transform Time-of-Flight Mass Spectra. Journal of the American Society for Mass Spectrometry, 2005, 16, 1117-1130.	2.8	19
154	A soft on-column metal coating procedure for robust sheathless electrospray emitters used in capillary electrophoresis-mass spectrometry. Electrophoresis, 2005, 26, 1358-1365.	2.4	21
155	Direct calculation of interconversion barriers in dynamic chromatography and electrophoresis: Isomerization of captopril. Electrophoresis, 2005, 26, 487-493.	2.4	19
156	Quasi-Homogeneous Methanol Synthesis Over Highly Active Copper Nanoparticles. Angewandte Chemie - International Edition, 2005, 44, 7978-7981.	13.8	117
157	Stereochemisty of 3,3-disubstituted 2-methoxy-1,2-oxazolidines. Mendeleev Communications, 2004, 14, 306-309.	1.6	7
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