

# Stephen G Weber

## List of Publications by Year in descending order

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194  
papers

4,636  
citations

109321

35  
h-index

149698

56  
g-index

200  
all docs

200  
docs citations

200  
times ranked

4676  
citing authors

#	ARTICLE	IF	CITATIONS
1	Column-in-valve designs to minimize extra-column volumes. <i>Journal of Chromatography A</i> , 2021, 1637, 461779.	3.7	3
2	Validation of Dexamethasone-Enhanced Continuous-Online Microdialysis for Monitoring Glucose for 10 Days after Brain Injury. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3588-3597.	3.5	2
3	Closed form approximations to predict retention times and peak widths in gradient elution under conditions of sample volume overload and sample solvent mismatch. <i>Journal of Chromatography A</i> , 2021, 1653, 462376.	3.7	2
4	Electroosmotic Perfusion-Enhanced Microdialysis Probe Created by Direct Laser Writing for Quantitative Assessment of Leucine Enkephalin Hydrolysis by Insulin-Regulated Aminopeptidase in Vivo. <i>Analytical Chemistry</i> , 2020, 92, 14558-14567.	6.5	9
5	Electrokinetic Convection-Enhanced Delivery of Solutes to the Brain. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2085-2093.	3.5	15
6	A crosslinked, low pH-stable, mixed-mode cation-exchange like stationary phase made using the thiol-yne click reaction. <i>Journal of Chromatography A</i> , 2020, 1618, 460851.	3.7	8
7	A rotating operant chamber for use with microdialysis. <i>Journal of Neuroscience Methods</i> , 2019, 326, 108387.	2.5	0
8	Evaluation of three temperature- and mobile phase-dependent retention models for reversed-phase liquid chromatographic retention and apparent retention enthalpy. <i>Journal of Chromatography A</i> , 2019, 1589, 73-82.	3.7	6
9	A liquid chromatographic charge transfer stationary phase based on the thiol-yne reaction. <i>Journal of Chromatography A</i> , 2019, 1591, 1-6.	3.7	5
10	A pH-stable, crosslinked stationary phase based on the thiol-yne reaction. <i>Journal of Chromatography A</i> , 2019, 1598, 132-140.	3.7	5
11	Multiplicative On-Column Solute Focusing Using Spatially Dependent Temperature Programming for Capillary HPLC. <i>Analytical Chemistry</i> , 2019, 91, 2854-2860.	6.5	4
12	Electrokinetic infusions into hydrogels and brain tissue: Control of direction and magnitude of solute delivery. <i>Journal of Neuroscience Methods</i> , 2019, 311, 76-82.	2.5	10
13	On-Column Dimethylation with Capillary Liquid Chromatography-Tandem Mass Spectrometry for Online Determination of Neuropeptides in Rat Brain Microdialysate. <i>Analytical Chemistry</i> , 2018, 90, 4561-4568.	6.5	23
14	TrkB-mediated activation of the phosphatidylinositol 3-kinase/Akt cascade reduces the damage inflicted by oxygen-glucose deprivation in area CA3 of the rat hippocampus. <i>European Journal of Neuroscience</i> , 2018, 47, 1096-1109.	2.6	20
15	High temporal resolution delayed analysis of clinical microdialysate streams. <i>Analyst, The</i> , 2018, 143, 715-724.	3.5	11
16	Methods of Measuring Enzyme Activity Ex Vivo and In Vivo. <i>Annual Review of Analytical Chemistry</i> , 2018, 11, 509-533.	5.4	27
17	Higher Aminopeptidase Activity Determined by Electroosmotic Push-Pull Perfusion Contributes to Selective Vulnerability of the Hippocampal CA1 Region to Oxygen Glucose Deprivation. <i>ACS Chemical Neuroscience</i> , 2018, 9, 535-544.	3.5	13
18	Mitochondrial GSH Systems in CA1 Pyramidal Cells and Astrocytes React Differently during Oxygen-Glucose Deprivation and Reperfusion. <i>ACS Chemical Neuroscience</i> , 2018, 9, 738-748.	3.5	7

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19	Synthesis, Structure, and Acidity Constants of Ligated $\beta$ -Boryl Acetic Acids. <i>Chemistry - A European Journal</i> , 2018, 24, 822-825.	3.3	3
20	Differences in Reperfusion-Induced Mitochondrial Oxidative Stress and Cell Death Between Hippocampal CA1 and CA3 Subfields Are Due to the Mitochondrial Thioredoxin System. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 534-549.	5.4	25
21	Monitoring Dopamine Responses to Potassium Ion and Nomifensine by in Vivo Microdialysis with Online Liquid Chromatography at One-Minute Resolution. <i>ACS Chemical Neuroscience</i> , 2017, 8, 329-338.	3.5	53
22	Aptamer-functionalized neural recording electrodes for the direct measurement of cocaine in vivo. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2445-2458.	5.8	38
23	Numerical Modeling of Electroosmotic Push-Pull Perfusion and Assessment of Its Application to Quantitative Determination of Enzymatic Activity in the Extracellular Space of Mammalian Tissue. <i>Analytical Chemistry</i> , 2017, 89, 5864-5873.	6.5	8
24	Development of a 1.0 mm inside diameter temperature-assisted focusing precolumn for use with 2.1 mm inside diameter columns. <i>Journal of Chromatography A</i> , 2017, 1523, 193-203.	3.7	7
25	IMPROVING TEMPORAL RESOLUTION IN ONLINE MICRODIALYSIS/LIQUID CHROMATOGRAPHY. , 2017, , 141-170.		0
26	Improving the Sensitivity, Resolution, and Peak Capacity of Gradient Elution in Capillary Liquid Chromatography with Large-Volume Injections by Using Temperature-Assisted On-Column Solute Focusing. <i>Analytical Chemistry</i> , 2016, 88, 5112-5121.	6.5	27
27	Novel developments reported at Pittcon 2016. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 594-603.	11.4	0
28	Graphical Method for Choosing Optimized Conditions Given a Pump Pressure and a Particle Diameter in Liquid Chromatography. <i>Analytical Chemistry</i> , 2016, 88, 11742-11749.	6.5	9
29	Temperature-assisted solute focusing with sequential trap/release zones in isocratic and gradient capillary liquid chromatography: Simulation and experiment. <i>Journal of Chromatography A</i> , 2016, 1474, 95-108.	3.7	12
30	In Vivo Monitoring of Dopamine by Microdialysis with 1 min Temporal Resolution Using Online Capillary Liquid Chromatography with Electrochemical Detection. <i>Analytical Chemistry</i> , 2015, 87, 6088-6094.	6.5	95
31	A selective report on topics at Pittcon 2015. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 68, 133-139.	11.4	1
32	Quantitative evaluation of models for solvent-based, on-column focusing in liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1409, 116-124.	3.7	27
33	Temperature-based on-column solute focusing in capillary liquid chromatography reduces peak broadening from pre-column dispersion and volume overload when used alone or with solvent-based focusing. <i>Journal of Chromatography A</i> , 2015, 1405, 133-139.	3.7	24
34	Optimized Real-Time Monitoring of Glutathione Redox Status in Single Pyramidal Neurons in Organotypic Hippocampal Slices during Oxygen-Glucose Deprivation and Reperfusion. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1838-1848.	3.5	15
35	Electroosmotic perfusion of tissue: sampling the extracellular space and quantitative assessment of membrane-bound enzyme activity in organotypic hippocampal slice cultures. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6455-6468.	3.7	16
36	Novel developments reported at Pittcon 2014. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 58, 154-161.	11.4	0

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37	NRF2-regulation in brain health and disease: Implication of cerebral inflammation. <i>Neuropharmacology</i> , 2014, 79, 298-306.	4.1	311
38	Fluorous receptor-facilitated solid phase microextraction. <i>Journal of Chromatography A</i> , 2014, 1360, 17-22.	3.7	4
39	Temperature-assisted on-column solute focusing: A general method to reduce pre-column dispersion in capillary high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1354, 65-74.	3.7	28
40	An in Situ Measurement of Extracellular Cysteamine, Homocysteine, and Cysteine Concentrations in Organotypic Hippocampal Slice Cultures by Integration of Electroosmotic Sampling and Microfluidic Analysis. <i>Analytical Chemistry</i> , 2013, 85, 3095-3103.	6.5	23
41	Morphology and free volume of nanocomposite Teflon AF 2400 films and their relationship to transport behavior. <i>Journal of Membrane Science</i> , 2013, 443, 115-123.	8.2	13
42	In Vivo Monitoring of Serotonin in the Striatum of Freely Moving Rats with One Minute Temporal Resolution by Online Microdialysis—Capillary High-Performance Liquid Chromatography at Elevated Temperature and Pressure. <i>Analytical Chemistry</i> , 2013, 85, 9889-9897.	6.5	56
43	Assessment of Tissue Viability Following Electroosmotic Push—Pull Perfusion from Organotypic Hippocampal Slice Cultures. <i>ACS Chemical Neuroscience</i> , 2013, 4, 849-857.	3.5	11
44	Pittcon logs another success. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 129-137.	11.4	0
45	Probing Enzymatic Activity Inside Single Cells. <i>Analytical Chemistry</i> , 2013, 85, 10126-10133.	6.5	5
46	Integrated Electroosmotic Perfusion of Tissue with Online Microfluidic Analysis to Track the Metabolism of Cystamine, Pantethine, and Coenzyme A. <i>Analytical Chemistry</i> , 2013, 85, 12020-12027.	6.5	20
47	Electroosmotic Push—Pull Perfusion: Description and Application to Qualitative Analysis of the Hydrolysis of Exogenous Galanin in Organotypic Hippocampal Slice Cultures. <i>ACS Chemical Neuroscience</i> , 2013, 4, 838-848.	3.5	20
48	Lipophilicity screening of novel drug-like compounds and comparison to clogP. <i>Journal of Chromatography A</i> , 2012, 1258, 161-167.	3.7	23
49	Iontophoresis From a Micropipet into a Porous Medium Depends on the $\zeta$ -Potential of the Medium. <i>Analytical Chemistry</i> , 2012, 84, 2179-2187.	6.5	22
50	Optimization for speed and sensitivity in capillary high performance liquid chromatography. The importance of column diameter in online monitoring of serotonin by microdialysis. <i>Journal of Chromatography A</i> , 2012, 1251, 54-62.	3.7	35
51	Nanocomposite Teflon AF 2400 Films as Tunable Platforms for Selective Transport. <i>Analytical Chemistry</i> , 2012, 84, 9920-9927.	6.5	12
52	Advances made on many different fronts. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 36, 1-10.	11.4	0
53	Effect of Dexamethasone on Gliosis, Ischemia, and Dopamine Extraction during Microdialysis Sampling in Brain Tissue. <i>Analytical Chemistry</i> , 2011, 83, 7662-7667.	6.5	65
54	Teflon AF Materials. <i>Topics in Current Chemistry</i> , 2011, 308, 307-337.	4.0	24

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55	Synthesis and Characterization of a Hydrogel with Controllable Electroosmosis: A Potential Brain Tissue Surrogate for Electrokinetic Transport. <i>Langmuir</i> , 2011, 27, 13635-13642.	3.5	21
56	The Nrf2-inducible antioxidant defense in astrocytes can be both up- and down-regulated by activated microglia: Involvement of p38 MAPK. <i>Glia</i> , 2011, 59, 785-799.	4.9	39
57	A simple method for measuring organotypic tissue slice culture thickness. <i>Journal of Neuroscience Methods</i> , 2011, 199, 78-81.	2.5	17
58	Luminescence targeting and imaging using a nanoscale generation 3 dendrimer in an in vivo colorectal metastatic rat model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 249-258.	3.3	29
59	From nanoscience to neuroscience, and a bit of separation and sample preparation in between. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 807-813.	11.4	0
60	Single-cell electroporation. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3235-3248.	3.7	89
61	Enhanced Glutathione Efflux from Astrocytes in Culture by Low Extracellular Ca <sup>2+</sup> and Curcumin. <i>Neurochemical Research</i> , 2010, 35, 1231-1238.	3.3	46
62	Pittcon's strong program continues to thrive. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 369-377.	11.4	0
63	Fluorous media for extraction and transport. <i>Journal of Chromatography A</i> , 2010, 1217, 2287-2295.	3.7	38
64	Electroosmotic Sampling. Application to Determination of Ectopeptidase Activity in Organotypic Hippocampal Slice Cultures. <i>Analytical Chemistry</i> , 2010, 82, 6377-6383.	6.5	18
65	Integration of a Precolumn Fluorogenic Reaction, Separation, and Detection of Reduced Glutathione. <i>Analytical Chemistry</i> , 2010, 82, 7267-7273.	6.5	20
66	Minimizing Tissue Damage in Electroosmotic Sampling. <i>Analytical Chemistry</i> , 2010, 82, 6370-6376.	6.5	22
67	Properties and Transport Behavior of Perfluorotripropylamine (FC-70)-Doped Amorphous Teflon AF 2400 Films. <i>Journal of the American Chemical Society</i> , 2010, 132, 17867-17879.	13.7	19
68	Rapid Catalyst Screening by a Continuous-Flow Microreactor Interfaced with Ultra-High-Pressure Liquid Chromatography. <i>Journal of Organic Chemistry</i> , 2010, 75, 5619-5626.	3.2	32
69	Capillary Ultrahigh Performance Liquid Chromatography with Elevated Temperature for Sub-One Minute Separations of Basal Serotonin in Submicroliter Brain Microdialysate Samples. <i>Analytical Chemistry</i> , 2010, 82, 9611-9616.	6.5	52
70	Synthesis, characterization, and applications of fluororous resorcin[4]arenes. <i>New Journal of Chemistry</i> , 2010, 34, 2732.	2.8	11
71	Protrusive growth and periodic contractile motion in surface-adhered vesicles induced by Ca <sup>2+</sup> -gradients. <i>Soft Matter</i> , 2010, 6, 268-272.	2.7	48
72	High-Throughput Phase-Distribution Method to Determine Drug-Cyclodextrin Binding Constants. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 229-238.	3.3	8

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73	From sampling through separations to sensors, Pittcon 2009 highlights progress. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 627-634.	11.4	2
74	Carbon fiber/epoxy composite ring-disk electrode: Fabrication, characterization and application to electrochemical detection in capillary high performance liquid chromatography. <i>Journal of Electroanalytical Chemistry</i> , 2009, 630, 75-80.	3.8	17
75	Porous alumina-based fluoros liquid membranes: Dependence of transport on fluoros solvent. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 1022-1027.	1.7	5
76	Preparation and assessment of fluoros supported liquid membranes based on porous alumina. <i>Journal of Membrane Science</i> , 2009, 345, 170-176.	8.2	13
77	Effect of an open tube in series with a packed capillary column on liquid chromatographic performance. <i>Journal of Chromatography A</i> , 2009, 1216, 1346-1352.	3.7	4
78	Direct Access and Control of the Intracellular Solution Environment in Single Cells. <i>Analytical Chemistry</i> , 2009, 81, 1810-1818.	6.5	18
79	Determination of $\hat{\eta}$ -Potential and Tortuosity in Rat Organotypic Hippocampal Cultures from Electroosmotic Velocity Measurements under Feedback Control. <i>Analytical Chemistry</i> , 2009, 81, 3001-3007.	6.5	18
80	Control of the Release of Freely Diffusing Molecules in Single-Cell Electroporation. <i>Analytical Chemistry</i> , 2009, 81, 8001-8008.	6.5	8
81	Molecular and Ionic Hydrogen Bond Formation in Fluorous Solvents. <i>Journal of Physical Chemistry B</i> , 2009, 113, 149-158.	2.6	21
82	Single-Cell Transfection by Electroporation Using an Electrolyte/Plasmid-Filled Capillary. <i>Analytical Chemistry</i> , 2009, 81, 4060-4067.	6.5	16
83	Extraction and Metalation of Porphyrins in Fluorous Liquids with Carboxylic Acids and Metal Salts. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7449-7456.	2.6	11
84	S-Sulfo-Cysteine is an Endogenous Amino Acid in Neonatal Rat Brain but an Unlikely Mediator of Cysteine Neurotoxicity. <i>Neurochemical Research</i> , 2008, 33, 301-307.	3.3	9
85	Impact of microdialysis probes on vasculature and dopamine in the rat striatum: A combined fluorescence and voltammetric study. <i>Journal of Neuroscience Methods</i> , 2008, 174, 177-185.	2.5	59
86	Pittcon provides a platform for interesting, important and novel work. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 274-283.	11.4	0
87	Determination of binding constants by affinity capillary electrophoresis, electrospray ionization mass spectrometry and phase-distribution methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 738-748.	11.4	130
88	Determination of $\hat{\eta}$ -Potential in Rat Organotypic Hippocampal Cultures. <i>Biophysical Journal</i> , 2008, 94, 4561-4569.	0.5	26
89	Stimulated Efflux of Amino Acids and Glutathione from Cultured Hippocampal Slices by Omission of Extracellular Calcium. <i>Journal of Biological Chemistry</i> , 2008, 283, 10347-10356.	3.4	64
90	Synthesis of deep-cavity fluoros calix[4]arenes as molecular recognition scaffolds. <i>Beilstein Journal of Organic Chemistry</i> , 2008, 4, 36.	2.2	9

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91	Effect of Cell Size and Shape on Single-Cell Electroporation. <i>Analytical Chemistry</i> , 2007, 79, 3589-3596.	6.5	83
92	Experimentally Determining the iR Drop in Solution at Carbon Fiber Microelectrodes with Current Interruption and Application to Single-Cell Electroporation. <i>Analytical Chemistry</i> , 2007, 79, 3771-3778.	6.5	11
93	Extraction of Pyridines into Fluorous Solvents Based on Hydrogen Bond Complex Formation with Carboxylic Acid Receptors. <i>Analytical Chemistry</i> , 2007, 79, 3117-3125.	6.5	36
94	Simultaneous Maximization of Cell Permeabilization and Viability in Single-Cell Electroporation Using an Electrolyte-Filled Capillary. <i>Analytical Chemistry</i> , 2007, 79, 161-167.	6.5	10
95	Scanning Electroporation of Selected Areas of Adherent Cell Cultures. <i>Analytical Chemistry</i> , 2007, 79, 4410-4418.	6.5	23
96	Numerical Calculations of Single-Cell Electroporation with an Electrolyte-Filled Capillary. <i>Biophysical Journal</i> , 2007, 92, 3696-3705.	0.5	27
97	Electrochemical and optical detectors for capillary and chip separations. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 68-79.	11.4	25
98	From single-molecule detection to global climate change. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 445-449.	11.4	2
99	The rotating ring-disk electrochemistry of the copper(II) complex of thyrotropin-releasing hormone. <i>Journal of Electroanalytical Chemistry</i> , 2007, 600, 325-334.	3.8	16
100	High-Throughput Method for Lipophilicity Measurement. <i>Analytical Chemistry</i> , 2007, 79, 1043-1049.	6.5	36
101	Kinetic Analysis of a Photosensitive Chelator and its Complex with Zn(II). <i>Photochemistry and Photobiology</i> , 2007, 75, 211-220.	2.5	2
102	Simultaneous Determination of Biogenic Monoamines in Rat Brain Dialysates Using Capillary High-Performance Liquid Chromatography with Photoluminescence Following Electron Transfer. <i>Analytical Chemistry</i> , 2006, 78, 1755-1760.	6.5	58
103	Controlling the Electrochemically Active Area of Carbon Fiber Microelectrodes by the Electrodeposition and Selective Removal of an Insulating Photoresist. <i>Analytical Chemistry</i> , 2006, 78, 5165-5171.	6.5	11
104	A Screening Method for Chiral Selectors that Does Not Require Covalent Attachment. <i>Journal of the American Chemical Society</i> , 2006, 128, 2208-2209.	13.7	9
105	Capillary-Based, Serial-Loading, Parallel Microreactor for Catalyst Screening. <i>Analytical Chemistry</i> , 2006, 78, 1972-1979.	6.5	26
106	Use of Tris(2,2'-bipyridine)osmium as a Photoluminescence-Following Electron-Transfer Reagent for Postcolumn Detection in Capillary High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 2006, 78, 1761-1768.	6.5	21
107	Optimization of post-column reactor radius in capillary high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1113, 116-122.	3.7	2
108	Speed and miniaturization improve separation and sensitivity. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 535-539.	11.4	3



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109	Binding of copper(II) to thyrotropin-releasing hormone (TRH) and its analogs. <i>Inorganica Chimica Acta</i> , 2005, 358, 2933-2942.	2.4	12
110	Reversed-phase HPLC with UV detection for the determination of N-acetylaspartate and creatine. <i>Analytical Biochemistry</i> , 2005, 343, 179-182.	2.4	10
111	Online preconcentration of thyrotropin-releasing hormone (TRH) by SDS-modified reversed phase column for microbore and capillary high-performance liquid chromatography (HPLC). <i>Journal of Chromatography A</i> , 2005, 1071, 179-184.	3.7	7
112	Electrochemical Investigation of Pb <sup>2+</sup> Binding and Transport through a Polymerized Crystalline Colloidal Array Hydrogel Containing Benzo-18-crown-6. <i>Analytical Chemistry</i> , 2005, 77, 185-192.	6.5	33
113	Generation of Focused Electric Field Patterns at Dielectric Surfaces. <i>Analytical Chemistry</i> , 2005, 77, 4667-4672.	6.5	15
114	Influence of Chemical Kinetics on Postcolumn Reaction in a Capillary Taylor Reactor with Catechol Analytes and Photoluminescence Following Electron Transfer. <i>Analytical Chemistry</i> , 2005, 77, 974-982.	6.5	10
115	Transport of Organic Solutes through Amorphous Teflon AF Films. <i>Journal of the American Chemical Society</i> , 2005, 127, 15112-15119.	13.7	33
116	Biological systems focus the mind. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, xiii-xvi.	11.4	1
117	Reasons to be optimistic. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, xii-xvi.	11.4	0
118	Analysis of the Performance of a Flow Reactor for Use with Microcolumn HPLC. <i>Analytical Chemistry</i> , 2004, 76, 639-645.	6.5	13
119	How Fluorous Is Poly(2,2-bis(trifluoromethyl)-4,5-difluoro-1,3-dioxane-co-tetrafluoroethylene) (Teflon)? <i>Journal of Fluorine Chemistry</i> , 2004, 108, 103-107.	13.7	23
120	NMDA-receptor mediated efflux of N-acetylaspartate: physiological and/or pathological importance?. <i>Neurochemistry International</i> , 2004, 45, 1195-1204.	3.8	23
121	Searching for Mechanisms of N-Methyl-d-Aspartate-Induced Glutathione Efflux in Organotypic Hippocampal Cultures. <i>Neurochemical Research</i> , 2003, 28, 281-291.	3.3	8
122	Simple method for the quantitative examination of extra column band broadening in microchromatographic systems. <i>Journal of Chromatography A</i> , 2003, 986, 247-251.	3.7	16
123	Nanoscience, bio- and microanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, x-xiv.	11.4	0
124	Techniques for neuropeptide determination. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 522-527.	11.4	13
125	Understanding illicit drug use. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, xiv.	11.4	0
126	Single-cell electroporation. <i>Current Opinion in Biotechnology</i> , 2003, 14, 29-34.	6.6	122



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127	Miniaturized Electrochemical Flow Cells. <i>Analytical Chemistry</i> , 2003, 75, 1031-1036.	6.5	12
128	Effect of Polymer Concentration on Partitioning and Molecular Recognition in Plasticized Poly(vinyl) Tj ETQq0 0 0 rgBT /OverLock 10 Tf 5	6.5	7
129	Measurement of Association and Dissociation Rate Constants for Lead(II)/18-Crown-6 Using Square Wave Voltammetry at a Glassy Carbon Mercury Film Electrode. <i>Analytical Chemistry</i> , 2003, 75, 6560-6565.	6.5	9
130	Kinetic Analysis of a Photosensitive Chelator and its Complex with Zn(II)Â¶. <i>Photochemistry and Photobiology</i> , 2002, 75, 211.	2.5	4
131	Steady-State Concentration Distribution of Artificial Receptor and Target Analyte in Plasticized PVC Membrane between Solutions Differing in Target Analyte Concentration. <i>Analytical Chemistry</i> , 2002, 74, 2184-2189.	6.5	3
132	Fabrication of Microchannel Structures in Fluorinated Ethylene Propylene. <i>Analytical Chemistry</i> , 2002, 74, 4566-4569.	6.5	41
133	Nonaqueous affinity capillary electrophoresis investigation of small molecule molecular recognition. <i>Electrophoresis</i> , 2002, 23, 431.	2.4	9
134	Glutathione Efflux Induced by NMDA and Kainate. <i>Journal of Neurochemistry</i> , 2002, 73, 1566-1572.	3.9	35
135	Pittsburgh Conference 2002. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, x-xiii.	11.4	0
136	Kinetics of the post-column complexation reaction of Cu(II) with N-formylmethionyl chemoattractant and chemotactic peptides. <i>Analytica Chimica Acta</i> , 2002, 474, 1-9.	5.4	4
137	Capillary zone electrophoresis in laboratory-made fluorinated ethylene propylene capillaries. <i>Journal of Chromatography A</i> , 2002, 972, 283-287.	3.7	8
138	Electrocatalytic Determination of Biochemical Compounds. , 2002, , 87-108.		1
139	Electroporation of Single Cells and Tissues with an Electrolyte-filled Capillary. <i>Analytical Chemistry</i> , 2001, 73, 4469-4477.	6.5	87
140	Investigations of prussian blue films using surface plasmon resonance. <i>Sensors and Actuators B: Chemical</i> , 2001, 72, 1-10.	7.8	19
141	Alterations in glutathione and amino acid concentrations after hypoxia&ischemia in the immature rat brain. <i>Developmental Brain Research</i> , 2000, 125, 51-60.	1.7	70
142	Characterization of Single-Cell Electroporation by Using Patch-Clamp and Fluorescence Microscopy. <i>Biophysical Journal</i> , 2000, 79, 1993-2001.	0.5	109
143	Separation of Neutral Compounds in Nonaqueous Solvents by Capillary Zone Electrophoresis. <i>Journal of the American Chemical Society</i> , 2000, 122, 3787-3788.	13.7	14
144	Chromatographic Detection of Nitroaromatic and Nitramine Compounds by Electrochemical Reduction Combined with Photoluminescence following Electron Transfer. <i>Analytical Chemistry</i> , 2000, 72, 4928-4933.	6.5	25

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145	Development of a liquid chromatographic method for picomole determination of S-sulfocysteine in trifluoroacetic acid extracts of neonatal rat brain. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 19, 261-268.	2.8	5
146	Net efflux of cysteine, glutathione and related metabolites from rat hippocampal slices during oxygen/glucose deprivation: dependence on $\text{I}^{\beta}$ -glutamyl transpeptidase. <i>Brain Research</i> , 1999, 815, 81-88.	2.2	33
147	Effect of Peptide Primary Sequence on Biuret Complex Formation and Properties. <i>Electroanalysis</i> , 1999, 11, 331-336.	2.9	16
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