

Timothy G Strein

List of Publications by Year in descending order

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34
papers

859
citations

471061

17
h-index

476904

29
g-index

35
all docs

35
docs citations

35
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of submicron-sized carbon electrodes insulated with a phenol-allylphenol copolymer. <i>Analytical Chemistry</i> , 1992, 64, 1368-1373.	3.2	165
2	Analytical chemistry in microenvironments: single nerve cells. <i>Accounts of Chemical Research</i> , 1992, 25, 440-447.	7.6	86
3	In situ laser activation of carbon fiber microdisk electrodes. <i>Analytical Chemistry</i> , 1991, 63, 194-198.	3.2	58
4	Determination of uremic toxins in biofluids: creatinine, creatine, uric acid and xanthines. <i>Biomedical Applications</i> , 2000, 747, 217-227.	1.7	48
5	Sodium Cholate Aggregation and Chiral Recognition of the Probe Molecule (<i>R,S</i>)-1,1'-Binaphthyl-2,2'-diylhydrogenphosphate (BNDHP) Observed by ¹ H and ³¹ P NMR Spectroscopy. <i>Langmuir</i> , 2008, 24, 13866-13874.	1.6	43
6	Capillary electrophoresis as a clinical tool determination of organic anions in normal and uremic serum using photodiode-array detection. <i>Biomedical Applications</i> , 1995, 668, 241-251.	1.7	36
7	Determination of creatinine and other uremic toxins in human blood sera with micellar electrokinetic capillary electrophoresis. <i>Biomedical Applications</i> , 1997, 690, 35-42.	1.7	32
8	Preferential accumulation within tumors and in vivo imaging by functionalized luminescent dendrimer lanthanide complexes. <i>Biomaterials</i> , 2011, 32, 9343-9352.	5.7	32
9	A Study of Deproteinization Methods for Subsequent Serum Analysis with Capillary Electrophoresis. <i>Microchemical Journal</i> , 1997, 55, 270-283.	2.3	30
10	Increasing the Efficiency of In-Capillary Electrophoretically Mediated Microanalysis Reactions via Rapid Polarity Switching. <i>Analytical Chemistry</i> , 2005, 77, 2332-2337.	3.2	27
11	Identification of Edible Oils by Principal Component Analysis of ¹ H NMR Spectra. <i>Journal of Chemical Education</i> , 2017, 94, 1377-1382.	1.1	25
12	Determination of uric acid in human serum by capillary electrophoresis with polarity reversal and electrochemical detection. <i>Electrophoresis</i> , 2002, 23, 3705-3710.	1.3	23
13	Iontophoresis From a Micropipet into a Porous Medium Depends on the ζ -Potential of the Medium. <i>Analytical Chemistry</i> , 2012, 84, 2179-2187.	3.2	22
14	Synthesis and Characterization of a Hydrogel with Controllable Electroosmosis: A Potential Brain Tissue Surrogate for Electrokinetic Transport. <i>Langmuir</i> , 2011, 27, 13635-13642.	1.6	21
15	Laser Activation of Microdisk Electrodes Examined by Fast-Scan Rate Voltammetry and Digital Simulation. <i>Analytical Chemistry</i> , 1994, 66, 3864-3872.	3.2	20
16	Direct Measurement of the Thermodynamics of Chiral Recognition in Bile Salt Micelles. <i>Chirality</i> , 2016, 28, 290-298.	1.3	20
17	High-performance liquid chromatographic separation and detection of phenols using 2-(9-anthrylethyl) chloroformate as a fluorophoric derivatizing reagent. <i>Journal of Chromatography A</i> , 1995, 718, 45-51.	1.8	17
18	Capillary Electrophoresis in the Undergraduate Instrumental Analysis Laboratory: Determination of Common Analgesic Formulations. <i>Journal of Chemical Education</i> , 1997, 74, 1117.	1.1	17

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19	Electrophoretically mediated microanalysis with small molecules: The Jaffé method for creatinine carried out in a capillary tube. <i>Electrophoresis</i> , 2001, 22, 2518-2525.	1.3	16
20	Stepwise Aggregation of Cholate and Deoxycholate Dictates the Formation and Loss of Surface-Available Chirally Selective Binding Sites. <i>Langmuir</i> , 2018, 34, 6489-6501.	1.6	16
21	Investigating the effects of conductivity on zone overlap with EMMA: Computer simulation and experiment. <i>Electrophoresis</i> , 2011, 32, 1492-1499.	1.3	14
22	Characterization of small noble metal microelectrodes by voltammetry and energy-dispersive x-ray analysis. <i>Analytical Chemistry</i> , 1993, 65, 1203-1209.	3.2	13
23	Proton NMR assignments for R,S-1,1'-binaphthol (BN) and R,S-1,1'-binaphthyl-2,2'-diyl hydrogen phosphate (BNDHP) interacting with bile salt micelles. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 72-75.	1.1	11
24	Voltammetry of adenosine after electrochemical treatment of carbon-fiber electrodes. <i>Electroanalysis</i> , 1994, 6, 746-751.	1.5	10
25	Determination of Total Antioxidant Capacity of Commercial Beverage Samples by Capillary Electrophoresis via Inline Reaction with 2,6-Dichlorophenolindophenol. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6518-6523.	2.4	10
26	An Edge Selection Mechanism for Chirally Selective Solubilization of Binaphthyl Atropisomeric Guests by Cholate and Deoxycholate Micelles. <i>Chirality</i> , 2016, 28, 525-533.	1.3	10
27	Steady-State Voltammetry of Catechol and Guaiacol Analogues at Carbon Fiber Microdisk Electrodes Following Laser and Electrochemical Activation Procedures. <i>Electroanalysis</i> , 1999, 11, 37-46.	1.5	8
28	Micellar Electrokinetic Capillary Chromatography in the Undergraduate Curriculum: Separation and Identification of the Amino Acid Residues in an Unknown Dipeptide Using FMOc Derivatization. <i>Journal of Chemical Education</i> , 1999, 76, 820.	1.1	8
29	Discontinuous electrophoretic stacking system for cholate-based electrokinetic chromatographic separation of 8-hydroxy-2'-deoxyguanosine from unmodified deoxynucleosides. <i>Biomedical Applications</i> , 2001, 763, 71-78.	1.7	8
30	In-capillary determination of creatinine with electrophoretically mediated microanalysis: Characterization of the effects of reagent zone and buffer conditions. <i>Journal of Chromatography A</i> , 2009, 1216, 154-158.	1.8	7
31	Development of Structurally Ultrasmall Electrodes for Electrochemistry at Single Nerve Cells. <i>Journal of the Electrochemical Society</i> , 1991, 138, 254C-258C.	1.3	3
32	Using Ferrocenes to Assist in Voltammetric Characterization of Carbon Fiber Microelectrodes after Electrochemical and Laser Activation. <i>Electroanalysis</i> , 2003, 15, 813-820.	1.5	2
33	Reply to "Comment on "Identification of Edible Oils by Principal Component Analysis of ¹ H NMR Spectra". <i>Journal of Chemical Education</i> , 2019, 96, 1793-1795.	1.1	1
34	Capillary Electrophoresis of Nucleic Acids, Vol. 1: Introduction to the Capillary Electrophoresis of Nucleic Acids. Keith R. Mitchelson and Jing Cheng, eds. Totowa, NJ: Humana Press, 2001, 484 pp., \$125.00. ISBN 0-89603-779-7. Capillary Electrophoresis of Nucleic Acids, Vol. 2: Practical Applications of Capillary Electrophoresis. Keith R. Mitchelson and Jing Cheng, eds. Totowa, NJ: Humana Press, 2001, 408 pp., \$125.00. ISBN 0-89603-765-7. <i>Clinical Chemistry</i> , 2002, 48, 683-683.	1.5	0