

Timothy G Strein

List of Publications by Year in descending order

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859
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471061

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35
docs citations

35
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815
citing authors

#	ARTICLE	IF	CITATIONS
1	Reply to "Comment on "Identification of Edible Oils by Principal Component Analysis of ¹ H NMR Spectra". Journal of Chemical Education, 2019, 96, 1793-1795.	1.1	1
2	Stepwise Aggregation of Cholate and Deoxycholate Dictates the Formation and Loss of Surface-Available Chirally Selective Binding Sites. Langmuir, 2018, 34, 6489-6501.	1.6	16
3	Identification of Edible Oils by Principal Component Analysis of ¹ H NMR Spectra. Journal of Chemical Education, 2017, 94, 1377-1382.	1.1	25
4	An Edge Selection Mechanism for Chirally Selective Solubilization of Binaphthyl Atropisomeric Guests by Cholate and Deoxycholate Micelles. Chirality, 2016, 28, 525-533.	1.3	10
5	Direct Measurement of the Thermodynamics of Chiral Recognition in Bile Salt Micelles. Chirality, 2016, 28, 290-298.	1.3	20
6	Iontophoresis From a Micropipet into a Porous Medium Depends on the ζ -Potential of the Medium. Analytical Chemistry, 2012, 84, 2179-2187.	3.2	22
7	Synthesis and Characterization of a Hydrogel with Controllable Electroosmosis: A Potential Brain Tissue Surrogate for Electrokinetic Transport. Langmuir, 2011, 27, 13635-13642.	1.6	21
8	Preferential accumulation within tumors and in vivo imaging by functionalized luminescent dendrimer lanthanide complexes. Biomaterials, 2011, 32, 9343-9352.	5.7	32
9	Investigating the effects of conductivity on zone overlap with EMMA: Computer simulation and experiment. Electrophoresis, 2011, 32, 1492-1499.	1.3	14
10	In-capillary determination of creatinine with electrophoretically mediated microanalysis: Characterization of the effects of reagent zone and buffer conditions. Journal of Chromatography A, 2009, 1216, 154-158.	1.8	7
11	Determination of Total Antioxidant Capacity of Commercial Beverage Samples by Capillary Electrophoresis via Inline Reaction with 2,6-Dichlorophenolindophenol. Journal of Agricultural and Food Chemistry, 2009, 57, 6518-6523.	2.4	10
12	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. Langmuir, 2008, 24, 13866-13874.	1.6	43
13	Proton NMR assignments for <i>R,S</i> -1,1'-binaphthol (BN) and <i>R,S</i> -1,1'-binaphthyl-2,2'-diyl hydrogen phosphate (BNDHP) interacting with bile salt micelles. Magnetic Resonance in Chemistry, 2007, 45, 72-75.	1.1	11
14	Increasing the Efficiency of In-Capillary Electrophoretically Mediated Microanalysis Reactions via Rapid Polarity Switching. Analytical Chemistry, 2005, 77, 2332-2337.	3.2	27
15	Using Ferrocenes to Assist in Voltammetric Characterization of Carbon Fiber Microelectrodes after Electrochemical and Laser Activation. Electroanalysis, 2003, 15, 813-820.	1.5	2
16	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. Clinical Chemistry, 2002, 48, 683-683.	1.5	0
17	Determination of uric acid in human serum by capillary electrophoresis with polarity reversal and electrochemical detection. Electrophoresis, 2002, 23, 3705-3710.	1.3	23
18	Discontinuous electrophoretic stacking system for cholate-based electrokinetic chromatographic separation of 8-hydroxy-2'-deoxyguanosine from unmodified deoxynucleosides. Biomedical Applications, 2001, 763, 71-78.	1.7	8

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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	Determination of uremic toxins in biofluids: creatinine, creatine, uric acid and xanthyne. <i>Biomedical Applications</i> , 2000, 747, 217-227.	1.7	48
21	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
22	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
23	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
24	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
25	A Study of Deproteinization Methods for Subsequent Serum Analysis with Capillary Electrophoresis. <i>Microchemical Journal</i> , 1997, 55, 270-283.	2.3	30
26	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
27	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
28	Voltammetry of adenosine after electrochemical treatment of carbon-fiber electrodes. <i>Electroanalysis</i> , 1994, 6, 746-751.	1.5	10
29	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
30	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
31	Analytical chemistry in microenvironments: single nerve cells. <i>Accounts of Chemical Research</i> , 1992, 25, 440-447.	7.6	86
32	Characterization of submicron-sized carbon electrodes insulated with a phenol-allylphenol copolymer. <i>Analytical Chemistry</i> , 1992, 64, 1368-1373.	3.2	165
33	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
34	In situ laser activation of carbon fiber microdisk electrodes. <i>Analytical Chemistry</i> , 1991, 63, 194-198.	3.2	58