

Samuel D Gilman

List of Publications by Year in descending order

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31
papers

1,241
citations

394421

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434195

31
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docs citations

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times ranked

1034
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Single Cells by Capillary Electrophoresis with On-Column Derivatization and Laser-Induced Fluorescence Detection. <i>Analytical Chemistry</i> , 1995, 67, 58-64.	6.5	194
2	HPLC-MS Accelerator MS Measurement of Atrazine Metabolites in Human Urine after Dermal Exposure. <i>Analytical Chemistry</i> , 1999, 71, 3519-3525.	6.5	100
3	Monitoring Electroosmotic Flow by Periodic Photobleaching of a Dilute, Neutral Fluorophore. <i>Analytical Chemistry</i> , 2000, 72, 4317-4321.	6.5	94
4	Analysis of Human Cerebrospinal Fluid by Capillary Electrophoresis with Laser-Induced Fluorescence Detection. <i>Analytical Chemistry</i> , 1994, 66, 3512-3518.	6.5	78
5	Development of a Highly Sensitive Enzyme-Linked Immunosorbent Assay Based on Polyclonal Antibodies for the Detection of Polychlorinated Dibenzo-p-dioxins. <i>Analytical Chemistry</i> , 1998, 70, 1092-1099.	6.5	78
6	Analytical Performance of Accelerator Mass Spectrometry and Liquid Scintillation Counting for Detection of ¹⁴ C-Labeled Atrazine Metabolites in Human Urine. <i>Analytical Chemistry</i> , 1998, 70, 3463-3469.	6.5	77
7	Experimental Studies of Electroosmotic Flow Dynamics in Microfabricated Devices during Current Monitoring Experiments. <i>Analytical Chemistry</i> , 2003, 75, 361-370.	6.5	76
8	Studies of reversible inhibition, irreversible inhibition, and activation of alkaline phosphatase by capillary electrophoresis. <i>Analytical Biochemistry</i> , 2002, 307, 226-234.	2.4	58
9	Capillary electrophoretic analysis of alkaline phosphatase inhibition by theophylline. <i>Electrophoresis</i> , 2000, 21, 1341-1348.	2.4	46
10	Analysis of monomeric A β (1-40) peptide by capillary electrophoresis. <i>Analyst, The</i> , 2010, 135, 1631.	3.5	44
11	Hapten Synthesis and Antibody Development for Polychlorinated Dibenzo-p-dioxin Immunoassays. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 2407-2416.	5.2	39
12	On-line monitoring of electroosmotic flow for capillary electrophoretic separations. <i>Analyst, The</i> , 2001, 126, 1240-1247.	3.5	39
13	Electrogenerated chemiluminescence detection for capillary electrophoresis. <i>Journal of Separation Science</i> , 1994, 6, 97-106.	1.0	36
14	Rapid assays for environmental and biological monitoring. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 1996, 31, 451-458.	1.5	31
15	Manipulation and capture of A β amyloid fibrils and monomers by DC insulator gradient dielectrophoresis (DC-iGDEP). <i>Analyst, The</i> , 2012, 137, 3227.	3.5	31
16	Post-column derivatization in narrow-bore capillaries for the analysis of amino acids and proteins by capillary electrophoresis with fluorescence detection. <i>Journal of Separation Science</i> , 1994, 6, 373-384.	1.0	30
17	Analysis of A β (1-40) and A β (1-42) monomer and fibrils by capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 627-632.	2.3	27
18	Constituents of Cinnamon Inhibit Bacterial Acetyl CoA Carboxylase. <i>Planta Medica</i> , 2010, 76, 1570-1575.	1.3	23

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19	Separation and detection of individual submicron particles by capillary electrophoresis with laser-light-scattering detection. <i>Analyst, The</i> , 2007, 132, 1215.	3.5	22
20	Experimental Studies of Electroosmotic Flow Dynamics during Sample Stacking for Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2003, 75, 3531-3538.	6.5	20
21	Theoretical limitations of quantification for noncompetitive sandwich immunoassays. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8605-8615.	3.7	16
22	Separation and detection of individual A β aggregates by capillary electrophoresis with laser-induced fluorescence detection. <i>Analytical Biochemistry</i> , 2012, 425, 104-112.	2.4	15
23	Laser Ablation Construction of On-Column Reagent Addition Devices for Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2002, 74, 1572-1577.	6.5	14
24	Improved peak capacity for CE separations of enzyme inhibitors with activity-based detection using magnetic bead microreactors. <i>Electrophoresis</i> , 2010, 31, 346-352.	2.4	11
25	Ultrasound-mediated release of iron from ferritin. <i>Ultrasound in Medicine and Biology</i> , 2003, 29, 1799-1803.	1.5	9
26	Influence of immobilized biomolecules on magnetic bead plug formation and retention in capillary electrophoresis. <i>Electrophoresis</i> , 2012, 33, 827-833.	2.4	8
27	A capillary electrophoretic assay for acetyl coenzyme A carboxylase. <i>Analytical Biochemistry</i> , 2013, 437, 32-38.	2.4	7
28	Capillary electrophoresis-based assay of phosphofructokinase-1. <i>Analytical Biochemistry</i> , 2014, 447, 1-5.	2.4	7
29	A data treatment method for detecting fluorescence anisotropy peaks in capillary electropherograms. <i>Analytica Chimica Acta</i> , 2012, 739, 99-103.	5.4	6
30	Optically gated vacancy electrophoresis in microfluidic devices. <i>Analytica Chimica Acta</i> , 2003, 496, 195-204.	5.4	3
31	Capillary electrophoretic assay of human acetyl coenzyme A carboxylase 2. <i>Electrophoresis</i> , 2019, 40, 1558-1564.	2.4	2