Dominic Peterson

List of Publications by Citations

17 papers	1,542 citations	14 h-index	18 g-index
18 ext. papers	1,612 ext. citations	4.9 avg, IF	4.73 L-index

#	Paper	IF	Citations
17	Enzymatic microreactor-on-a-chip: protein mapping using trypsin immobilized on porous polymer monoliths molded in channels of microfluidic devices. *Analytical Chemistry*, **2002**, 74, 4081-8	7.8	311
16	Matrix-free methods for laser desorption/ionization mass spectrometry. *Mass Spectrometry Reviews*, **2007**, 26, 19-34	11	268
15	Development and testing of a detection method for liquid chromatography based on aerosol charging. *Analytical Chemistry*, **2002**, 74, 2930-7	7.8	199
14	Dual-function microanalytical device by in situ photolithographic grafting of porous polymer monolith: integrating solid-phase extraction and enzymatic digestion for peptide mass mapping. *Analytical Chemistry*, **2003**, 75, 5328-35	7.8	179
13	High-throughput peptide mass mapping using a microdevice containing trypsin immobilized on a porous polymer monolith coupled to MALDI TOF and ESI TOF mass spectrometers. *Journal of Proteome Research*, **2002**, 1, 563-8	5.6	131
12	Fabrication of porous polymer monoliths covalently attached to the walls of channels in plastic microdevices. *Electrophoresis*, **2003**, 24, 3689-93	3.6	125
11	Solid supports for micro analytical systems. *Lab on A Chip*, **2005**, 5, 132-9	7.2	109
10	Porous polymer monolith for surface-enhanced laser desorption/ionization time-of-flight mass spectrometry of small molecules. *Rapid Communications in Mass Spectrometry*, **2004**, 18, 1504-12	2.2	49
9	Polar polymeric stationary phases for normal-phase HPLC based on monodisperse macroporous poly(2,3-dihydroxypropyl methacrylate-co-ethylene dimethacrylate) beads. *Analytical Chemistry*, **2003**, 75, 1011-21	7.8	39
8	Novel alkyl-modified anionic siloxanes as pseudostationary phases for electrokinetic chromatography: II. Selectivity studied by linear solvation energy relationships. *Electrophoresis*, **2001**, 22, 3562-6	3.6	29
7	Effect of pendant chain lengths and backbone functionalities on the chemical selectivity of sulfonated amphiphilic copolymers as pseudo-stationary phases in electrokinetic chromatography. *Journal of Chromatography A*, **2001**, 924, 123-35	4.5	26
6	Rapid radiochemical sample preparation for alpha spectrometry using polymer ligand films. *Journal of Radioanalytical and Nuclear Chemistry*, **2009**, 282, 543-547	1.5	17
5	Synthesis and characterization of novel anionic siloxane polymers as pseudostationary phases for electrokinetic chromatography. *Electrophoresis*, **2001**, 22, 1314-21	3.6	17
4	Evaluation of flow scintillation analysis for the determination of Sr-90 in bioassay samples. *Applied Radiation and Isotopes*, **2009**, 67, 14-20	1.7	15
3	Alkyl modified anionic siloxanes as pseudostationary phases for electrokinetic chromatography. I. Synthesis and characterization. *Journal of Chromatography A*, **2001**, 924, 103-10	4.5	14
2	Novel alkyl-modified anionic siloxanes as pseudostationary phases for electrokinetic chromatography. III. Performance in organic-modified buffers. *Journal of Chromatography A*, **2002**, 959, 255-61	4.5	10
1	Establishing reactor operations from uranium targets used for the production of plutonium. *Journal of Radioanalytical and Nuclear Chemistry*, **2009**, 282, 573-579	1.5	4