Barry E Boyes

List of Publications by Year
in descending order

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47	2,326	218677	214800
papers	citations	26 h-index	47 g-index

47	47	47	2363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Implementing 1.5Âmm internal diameter columns into analytical workflows. Journal of Chromatography A, 2022, 1676, 463207.	3.7	3
2	Fundamental to achieving fast separations with high efficiency: A review of chromatography with superficially porous particles. Biomedical Chromatography, 2021, 35, e5087.	1.7	2
3	New wide-pore superficially porous stationary phases with low hydrophobicity applied for the analysis of monoclonal antibodies. Journal of Chromatography A, 2021, 1642, 462050.	3.7	8
4	Using 1.5Âmm internal diameter columns for optimal compatibility with current liquid chromatographic systems. Journal of Chromatography A, 2021, 1650, 462258.	3.7	11
5	Rapid analysis of polycyclic aromatic hydrocarbons. Journal of Chromatography A, 2020, 1628, 461432.	3.7	7
6	Importance of Particle Pore Size in Determining Retention and Selectivity in Reversed Phase Liquid Chromatography. Journal of Chromatography A, 2020, 1634, 461678.	3.7	9
7	Peptide retention prediction using hydrophilic interaction liquid chromatography coupled to mass spectrometry. Journal of Chromatography A, 2018, 1537, 58-65.	3.7	11
8	Predicting the HILIC Retention Behavior of the N-Linked Glycopeptides Produced by Trypsin Digestion of Immunoglobulin Gs (IgGs). Journal of Biomolecular Techniques, 2018, 29, 98-104.	1.5	7
9	Superficially porous particles with 1000Ã... pores for large biomolecule high performance liquid chromatography and polymer size exclusion chromatography. Journal of Chromatography A, 2017, 1489, 75-85.	3.7	60
10	The Separation and Quantitation of Peptides with and without Oxidation of Methionine and Deamidation of Asparagine Using Hydrophilic Interaction Liquid Chromatography with Mass Spectrometry (HILIC-MS). Journal of the American Society for Mass Spectrometry, 2017, 28, 818-826.	2.8	19
11	Reversed-phase chromatography with large pore superficially porous particles for high throughput immunoglobulin G 2 disulfide isoform separation. Journal of Chromatography A, 2017, 1526, 104-111.	3.7	13
12	Predicting the Retention Behavior of Specific O-Linked Glycopeptides. Journal of Biomolecular Techniques, 2017, 28, 122-126.	1.5	12
13	Resolving Isomeric Glycopeptide Glycoforms with Hydrophilic Interaction Chromatography (HILIC). Journal of Biomolecular Techniques, 2016, 27, 98-104.	1.5	56
14	Reliable LCâ€MS quantitative glycomics using iGlycoMab stable isotope labeled glycans as internal standards. Electrophoresis, 2016, 37, 1489-1497.	2.4	23
15	Liquid Chromatography-Selected Reaction Monitoring (LC-SRM) Approach for the Separation and Quantitation of Sialylated N-Glycans Linkage Isomers. Analytical Chemistry, 2014, 86, 10584-10590.	6.5	59
16	Are sub-2Î¼m particles best for separating small molecules? An alternative. Journal of Chromatography A, 2014, 1368, 163-172.	3.7	22
17	An improved approach to hydrophilic interaction chromatography of peptides: Salt gradients in the presence of high isocratic acetonitrile concentrations. Journal of Chromatography A, 2013, 1277, 15-25.	3.7	16
18	Fused-core particle technology in high-performance liquid chromatography: An overview. Journal of Pharmaceutical Analysis, 2013, 3, 303-312.	5.3	66

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19	Optimized superficially porous particles for protein separations. Journal of Chromatography A, 2013, 1315, 118-126.	3.7	53
20	The Use of Ammonium Formate as a Mobile-Phase Modifier for LC-MS/MS Analysis of Tryptic Digests. Journal of Biomolecular Techniques, 2013, 24, 187-197.	1.5	36
21	Optimization of Data-Dependent Acquisition Parameters for Coupling High-Speed Separations with LC-MS/MS for Protein Identifications. Journal of Biomolecular Techniques, 2013, 24, jbt.13-2402-003.	1.5	16
22	Superficially porous silica particles with wide pores for biomacromolecular separations. Journal of Chromatography A, 2012, 1264, 22-30.	3.7	47
23	Fast high performance liquid chromatography separations for proteomic applications using Fused-Core? silica particles. Journal of Chromatography A, 2012, 1228, 232-241.	3.7	74
24	Wider Pore Superficially Porous Particles for Peptide Separations by HPLC. Journal of Chromatographic Science, 2010, 48, 566-571.	1.4	60
25	High Recovery HPLC Separation of Lipid Rafts for Membrane Proteome Analysis. Journal of Proteome Research, 2006, 5, 1301-1312.	3.7	47
26	Differences among techniques for high-abundant protein depletion. Proteomics, 2005, 5, 3304-3313.	2.2	262
27	Reversed-Phase High-Performance Liquid Chromatographic Prefractionation of Immunodepleted Human Serum Proteins to Enhance Mass Spectrometry Identification of Lower-Abundant Proteins. Journal of Proteome Research, 2005, 4, 1522-1537.	3.7	119
28	Gene expression changes by amyloid Î² peptide-stimulated human postmortem brain microglia identify activation of multiple inflammatory processes. Journal of Leukocyte Biology, 2005, 79, 596-610.	3.3	150
29	Size Exclusion Chromatography and Related Separation Techniques. Analytical Chemistry, 1998, 70, 251-278.	6.5	165
30	Size Exclusion Chromatography. Analytical Chemistry, 1996, 68, 445-466.	6.5	49
31	Improved reversed-phase high performance liquid chromatography columns for biopharmaceutical analysis. Journal of Pharmaceutical and Biomedical Analysis, 1995, 14, 93-105.	2.8	11
32	Selectivity optimization of reversed-phase high-performance liquid chromatographic peptide and protein separations by varying bonded-phase functionality. Journal of Chromatography A, 1995, 691, 337-347.	3.7	26
33	Temperature as a variable in reversed-phase high-performance liquid chromatographic separations of peptide and protein samples. Journal of Chromatography A, 1994, 686, 45-59.	3.7	85
34	Size Exclusion Chromatography. Analytical Chemistry, 1994, 66, 595-620.	6.5	111
35	Size exclusion chromatography. Analytical Chemistry, 1992, 64, 428-442.	6.5	29
36	Identification and characterization of a large human brain gene whose expression is increased in Alzheimer disease. Molecular Brain Research, 1992, 12, 47-57.	2.3	6

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37	Cytomegalovirus infection of the developing brain alters catecholamine and indoleamine metabolism. Brain Research, 1991, 559, 322-330.	2.2	11
38	Size exclusion chromatography. Analytical Chemistry, 1990, 62, 381-394.	6.5	27
39	Strategies for the Identification of Novel Brain Specific Genes Affected in Alzheimer Disease. Canadian Journal of Neurological Sciences, 1989, 16, 483-489.	0.5	8
40	Increased Uric Acid in the Developing Brain and Spinal Cord Following Cytomegalovirus Infection. Journal of Neurochemistry, 1989, 53, 1719-1723.	3.9	6
41	Separation of large DNA restriction fragments on a size-exclusion column by a nonideal mechanism. Analytical Biochemistry, 1988, 170, 127-134.	2.4	53
42	Methylmercury-induced movement and postural disorders in developing rat: regional analysis of brain catecholamines and indoleamines. Brain Research, 1988, 439, 138-146.	2.2	36
43	Altered metabolism of [18F]-6-fluorodopa in the hooded rat following inhibition of catechol-O-methyltransferase with U-0521. Biochemical Pharmacology, 1987, 36, 2527-2531.	4.4	35
44	The Metabolism of [18F]6-Fluoro-l-3,4-Dihydroxyphenylalanine in the Hooded Rat. Journal of Neurochemistry, 1987, 48, 601-608.	3.9	100
45	Determination of plasma [18F]-6-fluorodopa during positron emission tomography: Elimination and metabolism in carbidopa treated subjects. Life Sciences, 1986, 39, 2243-2252.	4.3	94
46	Immunohistochemical co-localization of S-100b and the glial fibrillary acidic protein in rat brain. Neuroscience, 1986, 17, 857-865.	2.3	132
47	Physicochemical and optical studies on the calcium- and potassium-induced conformational changes in bovine brain S-100b protein. Biochemistry, 1982, 21, 2607-2612.	2.5	74