

# John C Gebler

## List of Publications by Year in descending order

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65  
papers

3,852  
citations

159358

30  
h-index

149479

56  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3805  
citing authors

#	ARTICLE	IF	CITATIONS
1	Orthogonality of Separation in Two-Dimensional Liquid Chromatography. <i>Analytical Chemistry</i> , 2005, 77, 6426-6434.	3.2	726
2	Two-dimensional separation of peptides using RP-RP-HPLC system with different pH in first and second separation dimensions. <i>Journal of Separation Science</i> , 2005, 28, 1694-1703.	1.3	412
3	Enzyme-Friendly, Mass Spectrometry-Compatible Surfactant for In-Solution Enzymatic Digestion of Proteins. <i>Analytical Chemistry</i> , 2003, 75, 6023-6028.	3.2	296
4	Ion-pair reversed-phase high-performance liquid chromatography analysis of oligonucleotides. <i>Journal of Chromatography A</i> , 2002, 958, 167-182.	1.8	181
5	Implications of column peak capacity on the separation of complex peptide mixtures in single- and two-dimensional high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1061, 183-192.	1.8	157
6	Electrospray ionization quadrupole ion-mobility time-of-flight mass spectrometry as a tool to distinguish the lot-to-lot heterogeneity in N-glycosylation profile of the therapeutic monoclonal antibody trastuzumab. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 2021-2033.	1.2	123
7	Analysis of native and chemically modified oligonucleotides by tandem ion-pair reversed-phase high-performance liquid chromatography/electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 646-653.	0.7	111
8	Selective analysis of phosphopeptides within a protein mixture by chemical modification, reversible biotinylation and mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1481-1488.	0.7	106
9	Characterization of Therapeutic Oligonucleotides Using Liquid Chromatography with On-line Mass Spectrometry Detection. <i>Oligonucleotides</i> , 2003, 13, 229-243.	2.7	93
10	Reversed-phase ion-pair liquid chromatography analysis and purification of small interfering RNA. <i>Analytical Biochemistry</i> , 2009, 390, 181-188.	1.1	91
11	Purification and characterization of dimethylallyl tryptophan synthase from <i>Claviceps purpurea</i> . <i>Archives of Biochemistry and Biophysics</i> , 1992, 296, 308-313.	1.4	89
12	Analysis of Oligosaccharides Derived from Heparin by Ion-Pair Reversed-Phase Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 3485-3499.	3.2	87
13	A rapid sample preparation method for mass spectrometric characterization of N-linked glycans. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2331-2336.	0.7	86
14	Determination of N-glycosylation sites and site heterogeneity in a monoclonal antibody by electrospray quadrupole ion-mobility time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 29-40.	0.7	72
15	Use of an integrated MS - multiplexed MS/MS data acquisition strategy for high-coverage peptide mapping studies. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 730-744.	0.7	71
16	Mixed-mode chromatography for fractionation of peptides, phosphopeptides, and sialylated glycopeptides. <i>Journal of Chromatography A</i> , 2008, 1191, 162-170.	1.8	65
17	Integration of Multidimensional Chromatographic Protein Separations with a Combined "Top-Down" and "Bottom-Up" Proteomic Strategy. <i>Journal of Proteome Research</i> , 2006, 5, 135-146.	1.8	64
18	Effects of column length, particle size, gradient length and flow rate on peak capacity of nano-scale liquid chromatography for peptide separations. <i>Journal of Chromatography A</i> , 2007, 1147, 30-36.	1.8	64

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19	Papain digestion of different mouse IgG subclasses as studied by electrospray mass spectrometry. <i>Journal of Immunological Methods</i> , 2000, 237, 95-104.	0.6	54
20	Qualitative and Quantitative Analysis of Small Amine Molecules by MALDI-TOF Mass Spectrometry through Charge Derivatization. <i>Analytical Chemistry</i> , 2004, 76, 4888-4893.	3.2	53
21	A complete peptide mapping of membrane proteins: a novel surfactant aiding the enzymatic digestion of bacteriorhodopsin. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 711-715.	0.7	52
22	Identification of N-Linked Glycosylation Sites Using Glycoprotein Digestion with Pronase Prior to MALDI Tandem Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 1731-1738.	3.2	49
23	Comparison of 1 $\mu$ m and 2 $\mu$ m LC MS/MS methods for proteomic analysis of human serum. <i>Electrophoresis</i> , 2009, 30, 1157-1167.	1.3	48
24	Substrate-induced inactivation of a crippled .beta.-glucosidase mutant: identification of the labeled amino acid and mutagenic analysis of its role. <i>Biochemistry</i> , 1995, 34, 14547-14553.	1.2	47
25	Characterization of Protein $\alpha$ -Hapten Conjugates. 2. Electrospray Mass Spectrometry of Bovine Serum Albumin $\alpha$ -Hapten Conjugates $\alpha$ . <i>Bioconjugate Chemistry</i> , 1996, 7, 475-481.	1.8	44
26	Development of an online two-dimensional nano-scale liquid chromatography/mass spectrometry method for improved chromatographic performance and hydrophobic peptide recovery. <i>Journal of Chromatography A</i> , 2006, 1135, 43-51.	1.8	44
27	Characterization of Protein-Hapten Conjugates. 1. Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Immuno BSA-Hapten Conjugates and Comparison with Other Characterization Methods. <i>Bioconjugate Chemistry</i> , 1994, 5, 631-635.	1.8	43
28	Improving de Novo Sequencing of Peptides Using a Charged Tag and C-Terminal Digestion. <i>Analytical Chemistry</i> , 2007, 79, 1583-1590.	3.2	43
29	Characterization of Protein Impurities and Site-Specific Modifications Using Peptide Mapping with Liquid Chromatography and Data Independent Acquisition Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 5699-5708.	3.2	38
30	Peptide retention prediction applied to proteomic data analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2813-2821.	0.7	37
31	Charge derivatization of peptides to simplify their sequencing with an ion trap mass spectrometer. , 1999, 13, 1413-1422.		29
32	Comparative profiling of human saliva by intact protein LC/ESI-TOF mass spectrometry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 897-906.	1.1	26
33	Phosphopeptide enrichment using microscale titanium dioxide solid phase extraction. <i>Journal of Separation Science</i> , 2009, 32, 1189-1199.	1.3	25
34	Immunoassay Reagents for Thyroid Testing. 2. Binding Properties and Energetic Parameters of a T4 Monoclonal Antibody and Its Fab Fragment with a Library of Thyroxine Analog Biosensors Using Surface Plasmon Resonance. <i>Bioconjugate Chemistry</i> , 1997, 8, 133-145.	1.8	24
35	Electrospray ionization mass spectrometric analysis of nucleic acids using high-throughput on-line desalting. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1295-1302.	0.7	24
36	Purification of dye-labeled oligonucleotides by ion-pair reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 783, 61-72.	1.2	22

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37	Evaluation of chemiluminescent estradiol conjugates by using a surface plasmon resonance detector. <i>Steroids</i> , 2000, 65, 295-303.	0.8	20
38	Electrospray Mass Spectrometry of $\hat{1}\pm$ and $\hat{1}^2$ Chains of Selected Hemoglobins and Their TNBA and TNB Conjugates. <i>Bioconjugate Chemistry</i> , 1997, 8, 400-406.	1.8	18
39	Identification of phosphopeptides by chemical modification with an isotopic tag and ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 999-1001.	0.7	18
40	Lipase mediated hydrolysis of rapamycin 42-hemisuccinate benzyl and methyl esters. <i>Tetrahedron Letters</i> , 1994, 35, 1019-1022.	0.7	17
41	Region-Selective Labeling of Antibodies as Determined by Electrospray Ionization-Mass Spectrometry (ESI-MS). <i>Bioconjugate Chemistry</i> , 2000, 11, 557-563.	1.8	17
42	Evaluation of multidimensional (ion-exchange/reversed-phase) protein separations using linear and step gradients in the first dimension. <i>Journal of Chromatography A</i> , 2005, 1079, 287-298.	1.8	17
43	Letter: The use of electrospray ionization mass spectrometry to distinguish the lot-to-lot heterogeneity of an antigen specific monoclonal antibody from a specific cellular clone. <i>European Journal of Mass Spectrometry</i> , 1999, 5, 165.	0.7	14
44	The utility of enzymes in generating molecular diversity. Lipase mediated amidation of polybenzyl esters. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 1027-1030.	1.0	13
45	Letter: Detection of reaction intermediates by flow injection electrospray ionization mass spectrometry: reaction of chemiluminescent N-sulfonylacridinium-9-carboxamides with hydrogen peroxide. <i>European Journal of Mass Spectrometry</i> , 1998, 4, 121.	0.7	13
46	Lipase mediated diastereoselective hydrolysis of steroidal 3-(O-carboxymethyl) oxime methyl esters. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 1467-1468.	1.8	12
47	A Chemoselective Method for Site-Specific Immobilization of Peptides via Aminoxy Group. <i>Bioconjugate Chemistry</i> , 2001, 12, 139-142.	1.8	12
48	Chemo-enzymatic transformations of sensitive systems. Preparation of digoxigenin haptens via regioselective lipase mediated hydrolysis. <i>Tetrahedron Letters</i> , 1995, 36, 6987-6990.	0.7	11
49	Complete sequencing of anti-vancomycin fab fragment by liquid chromatography-electrospray ion trap mass spectrometry with a combination of database searching and manual interpretation of the MS/MS spectra. <i>Journal of Immunological Methods</i> , 2002, 260, 235-249.	0.6	11
50	Preparation and high-performance liquid chromatographic analysis of syn and anti isomers of steroidal 3-(O-carboxymethyl) oximes. <i>Journal of Chromatography A</i> , 1993, 657, 345-348.	1.8	10
51	A simple method to identify cysteine residues by isotopic labeling and ion trap mass spectrometry. , 1999, 13, 1813-1817.		10
52	Unexpectedly Facile Hydrolysis of Digoxin Esters. The Importance of Appropriate Controls in Lipase-Mediated Hydrolysis. <i>Journal of Organic Chemistry</i> , 1995, 60, 3557-3560.	1.7	9
53	Sequencing of anti-thyroxine monoclonal antibody Fab fragment by ion trap mass spectrometry. , 2000, 14, 999-1007.		9
54	The use of mass spectrometry to determine location and extent of N-glycosylation on folate binding protein from bovine milk. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 313-316.	0.7	9

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55	Identification of unknown residue 55 in bovine folate binding protein: fingerprint matching and sequencing of a doubly tagged peptide fragment by ion trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 1504-1506.	0.7	5
56	Profiling of polyclonal antibody light chains by liquid chromatography/electrospray ionization mass spectrometry. , 2000, 14, 49-51.		3
57	Evidence of nucleophilic addition to chemiluminescentN-Sulfonylacridinium-9-carboxamides from electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 2112-2115.	0.7	2
58	Quantitative determination of noncovalently bound acridinium in protein conjugates by liquid chromatography/electrospray ion trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 670-674.	0.7	2
59	Development of Orthogonal 2DLC Methods for Separation of Peptides. , 0, , 261-289.		2
60	PREPARATION OF METABOLITES OF IMIPRAMINE AND PHENYTOIN. Organic Preparations and Procedures International, 1994, 26, 706-711.	0.6	1
61	A Method To Reduce Gradient Delay Time of NanoLC. Analytical Chemistry, 2007, 79, 2961-2964.	3.2	1
62	QUANTITATION OF FREE CHEMILUMINESCENT ACRIDINIUM-9-CARBOXAMIDE SALTS IN BIOCONJUGATES. , 2001, , .		0
63	CHARACTERIZATION OF ACRIDINIUM-9-CARBOXAMIDEâ€™ MONOCLONAL ANTIBODY BIOCONJUGATES BY ELECTROSPRAY IONIZATION MASS SPECTROMETRY. , 2001, , .		0
64	A new approach for analyzing complicated peptide mixtures by LC/MS. FASEB Journal, 2006, 20, LB66.	0.2	0
65	A comparison of sample preparation methods for the study of the human serum proteome. FASEB Journal, 2006, 20, .	0.2	0