

William J Griffiths

List of Publications by Year in descending order

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258
papers

11,519
citations

34100

52
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39667

94
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279
all docs

279
docs citations

279
times ranked

12271
citing authors

#	ARTICLE	IF	CITATIONS
1	Docosahexaenoic Acid, a Ligand for the Retinoid X Receptor in Mouse Brain. <i>Science</i> , 2000, 290, 2140-2144.	12.6	707
2	Shorthand notation for lipid structures derived from mass spectrometry. <i>Journal of Lipid Research</i> , 2013, 54, 1523-1530.	4.2	689
3	Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. <i>Journal of Lipid Research</i> , 2020, 61, 1539-1555.	4.2	372
4	The Transcription Factor STAT-1 Couples Macrophage Synthesis of 25-Hydroxycholesterol to the Interferon Antiviral Response. <i>Immunity</i> , 2013, 38, 106-118.	14.3	327
5	Targeted Metabolomics for Biomarker Discovery. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5426-5445.	13.8	310
6	Tandem mass spectrometry in the study of fatty acids, bile acids, and steroids. <i>Mass Spectrometry Reviews</i> , 2003, 22, 81-152.	5.4	274
7	Polyunsaturated Fatty Acids Including Docosahexaenoic and Arachidonic Acid Bind to the Retinoid X Receptor \pm Ligand-binding Domain. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 692-703.	3.8	270
8	Mass spectrometry: from proteomics to metabolomics and lipidomics. <i>Chemical Society Reviews</i> , 2009, 38, 1882.	38.1	203
9	Cholesterol 25-hydroxylase suppresses SARS-CoV-2 replication by blocking membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32105-32113.	7.1	192
10	Release of metabolic enzymes by Giardia in response to interaction with intestinal epithelial cells. <i>Molecular and Biochemical Parasitology</i> , 2008, 159, 85-91.	1.1	168
11	Electrospray and tandem mass spectrometry in biochemistry. <i>Biochemical Journal</i> , 2001, 355, 545-561.	3.7	163
12	Exoxins are proinflammatory arachidonic acid metabolites produced via the 15-lipoxygenase-1 pathway in human eosinophils and mast cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 680-685.	7.1	144
13	Lipidomics needs more standardization. <i>Nature Metabolism</i> , 2019, 1, 745-747.	11.9	139
14	Neurosteroids in Rat Brain: α - β Extraction, Isolation, and Analysis by Nanoscale Liquid Chromatography \rightarrow Electro-spray Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 5835-5846.	6.5	135
15	Bile acids: analysis in biological fluids and tissues. <i>Journal of Lipid Research</i> , 2010, 51, 23-41.	4.2	134
16	DMSO-Related Effects in Protein Characterization. <i>Journal of Biomolecular Screening</i> , 2006, 11, 131-137.	2.6	131
17	Bile acids: analysis in biological fluids and tissues. <i>Journal of Lipid Research</i> , 2010, 51, 23-41.	4.2	125
18	Brain endogenous liver X receptor ligands selectively promote midbrain neurogenesis. <i>Nature Chemical Biology</i> , 2013, 9, 126-133.	8.0	116

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19	Defective cholesterol metabolism in amyotrophic lateral sclerosis. <i>Journal of Lipid Research</i> , 2017, 58, 267-278.	4.2	115
20	Derivatisation for the characterisation of neutral oxosteroids by electrospray and matrix-assisted laser desorption/ionisation tandem mass spectrometry: the Girard P derivative. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 924-935.	1.5	110
21	Cerebrospinal Fluid Steroidomics: Are Bioactive Bile Acids Present in Brain?. <i>Journal of Biological Chemistry</i> , 2010, 285, 4666-4679.	3.4	109
22	Novel lipoidal derivatives of pregnenolone and dehydroepiandrosterone and absence of their sulfated counterparts in rodent brain. <i>Journal of Lipid Research</i> , 2004, 45, 2287-2302.	4.2	107
23	Liquid chromatography-mass spectrometry utilizing multi-stage fragmentation for the identification of oxysterols. <i>Journal of Lipid Research</i> , 2007, 48, 976-987.	4.2	102
24	Metabolic Network Analysis Reveals Altered Bile Acid Synthesis and Metabolism in Alzheimer's Disease. <i>Cell Reports Medicine</i> , 2020, 1, 100138.	6.5	102
25	Identification of Immunoreactive Proteins during Acute Human Giardiasis. <i>Journal of Infectious Diseases</i> , 2003, 187, 1849-1859.	4.0	100
26	Analysis of oxysterols by electrospray tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 341-362.	2.8	100
27	Targeted metabolomics and mass spectrometry. <i>Advances in Protein Chemistry and Structural Biology</i> , 2010, 80, 45-83.	2.3	94
28	Vernix caseosa as a multi-component defence system based on polypeptides, lipids and their interactions. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 2390-2399.	5.4	93
29	Pregnenolone sulfate in the brain: A controversial neurosteroid. <i>Neurochemistry International</i> , 2008, 52, 522-540.	3.8	92
30	Quantitative Charge-Tags for Sterol and Oxysterol Analysis. <i>Clinical Chemistry</i> , 2015, 61, 400-411.	3.2	89
31	Characterisation of alpha-1 giardin: an immunodominant <i>Giardia lamblia</i> annexin with glycosaminoglycan-binding activity. <i>International Journal for Parasitology</i> , 2003, 33, 1341-1351.	3.1	87
32	Synthetic peptide-containing surfactants. <i>FEBS Journal</i> , 1998, 255, 116-124.	0.2	85
33	Cholestenic acids regulate motor neuron survival via liver X receptors. <i>Journal of Clinical Investigation</i> , 2014, 124, 4829-4842.	8.2	84
34	The Biosynthesis of Enzymatically Oxidized Lipids. <i>Frontiers in Endocrinology</i> , 2020, 11, 591819.	3.5	82
35	Determination of Dissociation Constants for Protein-Ligand Complexes by Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 4325-4331.	6.5	80
36	Effects of a Disrupted Blood-Brain Barrier on Cholesterol Homeostasis in the Brain. <i>Journal of Biological Chemistry</i> , 2014, 289, 23712-23722.	3.4	78

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37	Apolipoprotein CIII promotes Ca ²⁺ -dependent Δ cell death in type 1 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10090-10094.	7.1	77
38	Methods for oxysterol analysis: Past, present and future. Biochemical Pharmacology, 2013, 86, 3-14.	4.4	77
39	Cholesterol metabolites exported from human brain. Steroids, 2015, 99, 189-193.	1.8	75
40	Analysis of oxosteroids by nano-electrospray mass spectrometry of their oximes. , 2000, 14, 390-400.		74
41	Oxysterol research: a brief review. Biochemical Society Transactions, 2019, 47, 517-526.	3.4	74
42	Prothioconazole and Prothioconazole-Desthio Activities against Candida albicans Sterol 14- Δ -Demethylase. Applied and Environmental Microbiology, 2013, 79, 1639-1645.	3.1	73
43	Analysis of neurosterols by GC-MS and LC-MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2778-2805.	2.3	72
44	Characterization of Troponin Responses in Isoproterenol-Induced Cardiac Injury in the Hanover Wistar Rat. Toxicologic Pathology, 2007, 35, 606-617.	1.8	68
45	Discovering Oxysterols in Plasma: A Window on the Metabolome. Journal of Proteome Research, 2008, 7, 3602-3612.	3.7	67
46	The Effect of 24S-Hydroxycholesterol on Cholesterol Homeostasis in Neurons: Quantitative Changes to the Cortical Neuron Proteome. Journal of Proteome Research, 2008, 7, 1606-1614.	3.7	67
47	Reduction of S-nitrosoglutathione by human alcohol dehydrogenase 3 is an irreversible reaction as analysed by electrospray mass spectrometry. FEBS Journal, 2003, 270, 1249-1256.	0.2	65
48	A comprehensive machine-readable view of the mammalian cholesterol biosynthesis pathway. Biochemical Pharmacology, 2013, 86, 56-66.	4.4	64
49	Identification of unusual 7-oxygenated bile acid sulfates in a patient with Niemann-Pick disease, type C. Journal of Lipid Research, 2001, 42, 1571-1577.	4.2	64
50	Peptide repertoire of human cerebrospinal fluid: novel proteolytic fragments of neuroendocrine proteins. Biomedical Applications, 2001, 754, 357-367.	1.7	62
51	Liver disease in infancy caused by oxysterol 7 Δ -hydroxylase deficiency: successful treatment with chenodeoxycholic acid. Journal of Inherited Metabolic Disease, 2014, 37, 851-861.	3.6	58
52	Alkaline Hydrolysis of Oxaliplatin-Isolation and Identification of the Oxalato Monodentate Intermediate. Journal of Pharmaceutical Sciences, 2002, 91, 2116-2121.	3.3	57
53	Analytical strategies for characterization of oxysterol lipidomes: Liver X receptor ligands in plasma. Free Radical Biology and Medicine, 2013, 59, 69-84.	2.9	56
54	New methods for analysis of oxysterols and related compounds by LC-MS. Journal of Steroid Biochemistry and Molecular Biology, 2016, 162, 4-26.	2.5	55

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55	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021, 12, 4771.	12.8	54
56	Analysis of Bile Acids and Bile Alcohols in Urine by Capillary Column Liquid Chromatography-Mass Spectrometry using Fast Atom Bombardment or Electrospray Ionization and Collision-induced Dissociation. <i>Biomedical Chromatography</i> , 1997, 11, 240-255.	1.7	53
57	Potential of Sterol Analysis by Liquid Chromatography-Tandem Mass Spectrometry for the Prenatal Diagnosis of Smith-Lemli-Opitz Syndrome. <i>Clinical Chemistry</i> , 2008, 54, 1317-1324.	3.2	53
58	Multiple-Approaches to the Identification and Quantification of Cytochromes P450 in Human Liver Tissue by Mass Spectrometry. <i>Journal of Proteome Research</i> , 2009, 8, 1672-1681.	3.7	53
59	Localization of sterols and oxysterols in mouse brain reveals distinct spatial cholesterol metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5749-5760.	7.1	53
60	The role of microRNA-155/liver X receptor pathway in experimental and idiopathic pulmonary fibrosis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1946-1956.	2.9	51
61	Accurate Mass Measurement by Electrospray Ionization Quadrupole Mass Spectrometry: Detection of Variants Differing by <6 Da from Normal in Human Hemoglobin Heterozygotes. <i>Analytical Chemistry</i> , 2003, 75, 1978-1982.	6.5	50
62	Reduced Plasma Levels of 25-Hydroxycholesterol and Increased Cerebrospinal Fluid Levels of Bile Acid Precursors in Multiple Sclerosis Patients. <i>Molecular Neurobiology</i> , 2017, 54, 8009-8020.	4.0	50
63	Nano-electrospray tandem mass spectrometry for the analysis of neurosteroid sulphates. <i>Rapid Communications in Mass Spectrometry</i> , 1999, 13, 1595-1610.	1.5	49
64	Deletion of a xenobiotic metabolizing gene in mice affects folate metabolism. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 556-560.	2.1	49
65	The energies of triplet states of CO ₂ ⁺ and OCS ₂ ⁺ ions. An experimental investigation by double-charge-transfer spectroscopy. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 87, 349-357.	1.8	48
66	Matrix-Assisted Laser Desorption/Ionization High-Energy Collision-Induced Dissociation of Steroids: Analysis of Oxysterols in Rat Brain. <i>Analytical Chemistry</i> , 2006, 78, 164-173.	6.5	48
67	Oxysterols in the brain of the cholesterol 24-hydroxylase knockout mouse. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 768-774.	2.1	48
68	Current trends in oxysterol research. <i>Biochemical Society Transactions</i> , 2016, 44, 652-658.	3.4	48
69	On the formation of 7-ketocholesterol from 7-dehydrocholesterol in patients with CTX and SLO. <i>Journal of Lipid Research</i> , 2014, 55, 1165-1172.	4.2	47
70	Analysis of bioactive oxysterols in newborn mouse brain by LC/MS. <i>Journal of Lipid Research</i> , 2012, 53, 2469-2483.	4.2	46
71	Cholesteromics: An update. <i>Analytical Biochemistry</i> , 2017, 524, 56-67.	2.4	46
72	Oxysterols as lipid mediators: Their biosynthetic genes, enzymes and metabolites. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 147, 106381.	1.9	46

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73	The major metabolites of ursodeoxycholic acid in human urine are conjugated with N-acetylglucosamine. <i>Hepatology</i> , 1994, 20, 845-853.	7.3	45
74	The palmitoyl groups of lung surfactant protein C reduce unfolding into a fibrillogenic intermediate. <i>Journal of Molecular Biology</i> , 2001, 310, 937-950.	4.2	45
75	Comparative Cytochrome P450 Proteomics in the Livers of Immunodeficient Mice Using 18O Stable Isotope Labeling. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 953-962.	3.8	45
76	An Interferon Regulated MicroRNA Provides Broad Cell-Intrinsic Antiviral Immunity through Multihit Host-Directed Targeting of the Sterol Pathway. <i>PLoS Biology</i> , 2016, 14, e1002364.	5.6	45
77	Analysis of pregnenolone and dehydroepiandrosterone in rodent brain: cholesterol autoxidation is the key. <i>Journal of Lipid Research</i> , 2009, 50, 2430-2444.	4.2	44
78	Observation of an Intact Noncovalent Homotrimer of Detergent-solubilized Rat Microsomal Glutathione Transferase-1 by Electrospray Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2004, 279, 13311-13316.	3.4	42
79	The mammalian alcohol dehydrogenases interact in several metabolic pathways. <i>Chemico-Biological Interactions</i> , 2003, 143-144, 175-181.	4.0	41
80	Metabolomics and Metabolite Profiling: Past Heroes and Future Developments. <i>European Journal of Mass Spectrometry</i> , 2007, 13, 45-50.	1.0	41
81	Metabolism of Non-Enzymatically Derived Oxysterols: Clues from sterol metabolic disorders. <i>Free Radical Biology and Medicine</i> , 2019, 144, 124-133.	2.9	39
82	Charge Remote Fragmentation of Fatty Acid Anions in 400 eV Collisions with Xenon Atoms. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 21-28.	1.5	38
83	Analysis of neurosterols and neurosteroids by mass spectrometry. <i>Biochimie</i> , 2007, 89, 182-191.	2.6	38
84	Visualizing Cholesterol in the Brain by On-Tissue Derivatization and Quantitative Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021, 93, 4932-4943.	6.5	38
85	Elevated oxysterol levels in human and mouse livers reflect nonalcoholic steatohepatitis. <i>Journal of Lipid Research</i> , 2019, 60, 1270-1283.	4.2	37
86	Antibacterial peptides in stimulated human granulocytes. <i>FEBS Journal</i> , 2002, 269, 512-518.	0.2	35
87	Analysis of derivatised steroids by matrix-assisted laser desorption/ionisation and post-source decay mass spectrometry. <i>Steroids</i> , 2006, 71, 42-53.	1.8	35
88	Targeted lipidomic analysis of oxysterols in the embryonic central nervous system. <i>Molecular BioSystems</i> , 2009, 5, 529.	2.9	35
89	Isolation and structure of a new galactolipid from oat seeds. <i>Lipids</i> , 1998, 33, 355-363.	1.7	34
90	Capillary Liquid Chromatography/Electrospray Mass Spectrometry for Analysis of Steroid Sulfates in Biological Samples. <i>Analytical Chemistry</i> , 2003, 75, 791-797.	6.5	34

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91	Nano-liquid chromatography-tandem mass spectrometry analysis of oxysterols in brain: monitoring of cholesterol autoxidation. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 411-424.	3.2	34
92	Sterols and oxysterols in plasma from Smith-Lemli-Opitz syndrome patients. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 169, 77-87.	2.5	34
93	The identification of novel steroid N-acetylglucosaminides in the urine of pregnant women. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1996, 58, 585-598.	2.5	32
94	A Comparison of Fast-atom Bombardment and Electrospray as Methods of Ionization in the Study of Sulphated- and Sulphonated-lipids by Tandem Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1169-1174.	1.5	32
95	On the future of "omics" lipidomics. <i>Journal of Inherited Metabolic Disease</i> , 2011, 34, 583-592.	3.6	32
96	Microsomal glutathione transferase 1 exhibits one-third-of-the-sites-reactivity towards glutathione. <i>Archives of Biochemistry and Biophysics</i> , 2009, 487, 42-48.	3.0	31
97	Analysis of oxysterol metabolomes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 784-799.	2.4	31
98	Comparison of the composition of bile acids in bile of patients with adenocarcinoma of the pancreas and benign disease. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 174, 290-295.	2.5	31
99	Double ionization energies of fluoromethanes measured using a double electron-capture technique. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1988, 85, 69-79.	1.8	30
100	Possible Release of an ArgGlyArgProGln Pentapeptide with Innate Immunity Properties from Acidic Proline-Rich Proteins by Proteolytic Activity in Commensal <i>Streptococcus</i> and <i>Actinomyces</i> Species. <i>Infection and Immunity</i> , 2000, 68, 5425-5429.	2.2	30
101	A PROTEOMIC APPROACH TO THE IDENTIFICATION OF CYTOCHROME P450 ISOFORMS IN MALE AND FEMALE RAT LIVER BY NANOSCALE LIQUID CHROMATOGRAPHY-ELECTROSPRAY IONIZATION-TANDEM MASS SPECTROMETRY. <i>Drug Metabolism and Disposition</i> , 2004, 32, 382-386.	3.3	30
102	24(S),25-Epoxycholesterol and cholesterol 24S-hydroxylase (CYP46A1) overexpression promote midbrain dopaminergic neurogenesis in vivo. <i>Journal of Biological Chemistry</i> , 2019, 294, 4169-4176.	3.4	30
103	Evidence for protein dolichylation. <i>FEBS Letters</i> , 1997, 416, 235-238.	2.8	29
104	Analytical strategies for characterization of bile acid and oxysterol metabolomes. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 80-84.	2.1	29
105	Additional pathways of sterol metabolism: Evidence from analysis of Cyp27a1 ^{−/−} mouse brain and plasma. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 191-211.	2.4	29
106	Experimental evidence for the stability of the NH ₄ ., H ₃ O., H ₃ S., and H ₃ . radicals by neutralization-reionization spectroscopy. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1987, 77, 233-239.	1.8	28
107	Porcine pulmonary surfactant preparations contain the antibacterial peptide prophenin and a C-terminal 18-residue fragment thereof. <i>FEBS Letters</i> , 1999, 460, 257-262.	2.8	28
108	Characterisation of variant forms of prophenin: mechanistic aspects of the fragmentation of proline-rich peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 2182-2202.	1.5	28

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109	De novo sequencing of proteolytic peptides by a combination of C-terminal derivatization and nano-electrospray/ collision-induced dissociation mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 673-686.	2.8	28
110	First international descriptive and interventional survey for cholesterol and non-cholesterol sterol determination by gas- and liquid-chromatographyâ€“Urgent need for harmonisation of analytical methods. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 190, 115-125.	2.5	28
111	Concentrations of bile acid precursors in cerebrospinal fluid of Alzheimer's disease patients. <i>Free Radical Biology and Medicine</i> , 2019, 134, 42-52.	2.9	28
112	Cholesterol metabolism pathways â€“ are the intermediates more important than the products?. <i>FEBS Journal</i> , 2021, 288, 3727-3745.	4.7	28
113	The SARS-CoV2 envelope differs from host cells, exposes procoagulant lipids, and is disrupted in vivo by oral rinses. <i>Journal of Lipid Research</i> , 2022, 63, 100208.	4.2	28
114	Gln-Gly cleavage: Correlation between collision-induced dissociation and biological degradation. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 337-342.	2.8	27
115	Characterization of carrot pectin methylesterase. <i>Cellular and Molecular Life Sciences</i> , 2002, 59, 513-518.	5.4	27
116	On-Column Electrochemical Reactions Accompanying the Electrospray Process. <i>Analytical Chemistry</i> , 2003, 75, 1022-1030.	6.5	27
117	Identification of cytochrome P450 enzymes in human colorectal metastases and the surrounding liver: a proteomic approach. <i>European Journal of Cancer</i> , 2004, 40, 2127-2134.	2.8	27
118	High-Energy Collision-Induced Dissociation of Oxosteroids Derivatised to Girard Hydrazones. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 63-88.	1.0	27
119	Cholesterol metabolism: from lipidomics to immunology. <i>Journal of Lipid Research</i> , 2022, 63, 100165.	4.2	27
120	Electrospray Tandem Mass Spectrometry of Intact Î²-Chain Hemoglobin Variants. <i>Analytical Chemistry</i> , 2002, 74, 2097-2102.	6.5	26
121	Proteomic analysis of cytochromes P450: a mass spectrometry approach. <i>Biochemical Society Transactions</i> , 2006, 34, 1246-1251.	3.4	26
122	An update on oxysterol biochemistry: New discoveries in lipidomics. <i>Biochemical and Biophysical Research Communications</i> , 2018, 504, 617-622.	2.1	26
123	Hydrogen/Deuterium Exchange and Aggregation of a Polyvaline and a Polyisoleucine Î±-Helix Investigated by Matrix-assisted Laser Desorption Ionization Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2002, 1, 592-597.	3.8	25
124	The antimicrobial peptide LL-37 binds to the human plasma protein apolipoprotein A-I. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 588-589.	1.5	25
125	Quantitative Proteomics Characterization of a Mouse Embryonic Stem Cell Model of Down Syndrome. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 585-595.	3.8	25
126	Analysis by liquid chromatographyâ€“mass spectrometry of sterols and oxysterols in brain of the newborn Dhcr7 ^{fl} 3-5/T93M mouse: A model of Smithâ€“Lemliâ€“Opitz syndrome. <i>Biochemical Pharmacology</i> , 2013, 86, 43-55.	4.4	24

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127	Electrospray/Collision-induced Dissociation Mass Spectrometry of Mono-, Di- and Tri-hydroxylated Lipoxigenase Products, Including Leukotrienes of the B-Series and Lipoxins. , 1996, 10, 183-196.		23
128	Demonstration of leukotriene-C4 synthase in platelets and species distribution of the enzyme activity. FEBS Journal, 1998, 251, 227-235.	0.2	23
129	Sterol lipidomics in health and disease: Methodologies and applications. European Journal of Lipid Science and Technology, 2009, 111, 14-38.	1.5	23
130	Double ionisation energy of methane measured using a double electron capture technique. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, L493-L497.	1.6	22
131	Capillary liquid chromatography combined with tandem mass spectrometry for the study of neurosteroids and oxysterols in brain. Neurochemistry International, 2008, 52, 506-521.	3.8	22
132	Analysis of Dolichols and Polyprenols and Their Derivatives by Electron Impact, Fast Atom Bombardment and Electrospray Ionization Tandem Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 663-675.	1.5	21
133	An assay combining high-performance liquid chromatography and mass spectrometry to measure DNA interstrand cross-linking efficiency in oligonucleotides of varying sequences. Analytical Biochemistry, 2008, 374, 173-181.	2.4	21
134	Hodgkin Reedâ€“Sternberg cells express 15â€“lipoxygenaseâ€“1 and are putative producers of eoxins <i>in vivo</i> . FEBS Journal, 2008, 275, 4222-4234.	4.7	21
135	Identification of unusual oxysterols and bile acids with 7-oxo or 3Î²,5Î±,6Î²-trihydroxy functions in human plasma by charge-tagging mass spectrometry with multistage fragmentation. Journal of Lipid Research, 2018, 59, 1058-1070.	4.2	21
136	The benzene dication: Energies of excited states determined by double-charge-transfer spectroscopy using OH+ and F+ projectile ions. Chemical Physics, 1991, 157, 299-304.	1.9	20
137	Characterization of Conjugated Metabolites of Benzo[a]pyrene in Germ-Free Rat Urine by Liquid Chromatography/Electrospray Tandem Mass Spectrometry. Chemical Research in Toxicology, 1999, 12, 1182-1189.	3.3	20
138	Components derived from <i>Pelargonium</i> stimulate macrophage killing of <i>Mycobacterium</i> species. Journal of Applied Microbiology, 2009, 106, 1184-1193.	3.1	20
139	24S,25-Epoxycholesterol in mouse and rat brain. Biochemical and Biophysical Research Communications, 2014, 449, 229-234.	2.1	20
140	Electrospray tandem mass spectrometry in the rapid identification of Î²-chain haemoglobin variants. Rapid Communications in Mass Spectrometry, 2000, 14, 1184-1194.	1.5	19
141	General Methods for the Extraction, Purification, and Measurement of Steroids by Chromatography and Mass Spectrometry. , 2010, , 163-282.		19
142	The oxysterol and cholestenic acid profile of mouse cerebrospinal fluid. Steroids, 2015, 99, 172-177.	1.8	19
143	Neuroâ€“oxysterols and neuroâ€“sterols as ligands to nuclear receptors, GPCRs, ligandâ€“gated ion channels and other protein receptors. British Journal of Pharmacology, 2021, 178, 3176-3193.	5.4	19
144	Double ionization energies of the chlorofluoromethanes CF3Cl, CF2Cl2 and CFCl3 determined using double-charge-transfer spectroscopy. International Journal of Mass Spectrometry and Ion Processes, 1988, 86, 341-350.	1.8	18

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145	Charge-remote fragmentation of sulphated and glucuronidated bile acids and their 2-aminoethanesulphonic acid derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 227-236.	1.5	18
146	Charge-remote fragmentation of peptides derivatized with 4-aminonaphthalenesulphonic acid. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 797-803.	1.5	18
147	Evaluation of novel derivatisation reagents for the analysis of oxysterols. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 756-761.	2.1	18
148	Analysis of Bile Acids. , 2010, , 837-966.		18
149	An experimental investigation of a reaction window in cross-sections for double-charge-transfer reactions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 87, R1-R6.	1.8	17
150	Dolichol-like lipids with stimulatory effect on DNA synthesis: Substrates for protein dolichylation?. , 1998, 71, 502-514.		17
151	Cardiac Troponin I in Isoproterenol-Induced Cardiac Injury in the Hanover Wistar Rat: Studies on Low Dose Levels and Routes of Administration. <i>Toxicologic Pathology</i> , 2010, 38, 287-291.	1.8	17
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