

William J Griffiths

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

254
papers

9,075
citations

49
h-index

84
g-index

277
ext. papers

10,313
ext. citations

5.3
avg, IF

6.22
L-index

#	Paper	IF	Citations
254	The SARS-CoV2 envelope differs from host cells, exposes pro-coagulant lipids, and is disrupted in vivo by oral rinses.. <i>Journal of Lipid Research</i> , 2022 , 100208	6.3	3
253	Neuro-oxysterols and neuro-sterols as ligands to nuclear receptors, GPCRs, ligand-gated ion channels and other protein receptors. <i>British Journal of Pharmacology</i> , 2021 , 178, 3176-3193	8.6	12
252	Cholesterol metabolism: from lipidomics to immunology.. <i>Journal of Lipid Research</i> , 2021 , 100165	6.3	2
251	Sterols, Oxysterols, and Accessible Cholesterol: Signalling for Homeostasis, in Immunity and During Development. <i>Frontiers in Physiology</i> , 2021 , 12, 723224	4.6	4
250	Visualizing Cholesterol in the Brain by On-Tissue Derivatization and Quantitative Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 4932-4943	7.8	6
249	Deep mining of oxysterols and cholestenic acids in human plasma and cerebrospinal fluid: Quantification using isotope dilution mass spectrometry. <i>Analytica Chimica Acta</i> , 2021 , 1154, 338259	6.6	2
248	Bile acid biosynthesis in Smith-Lemli-Opitz syndrome bypassing cholesterol: Potential importance of pathway intermediates. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021 , 206, 105794	5.1	8
247	Cholesterol metabolism pathways - are the intermediates more important than the products?. <i>FEBS Journal</i> , 2021 , 288, 3727-3745	5.7	6
246	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021 , 12, 4771	17.4	16
245	The Cerebrospinal Fluid Profile of Cholesterol Metabolites in Parkinson's Disease and Their Association With Disease State and Clinical Features. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 685594	5.3	0
244	Oxysterols protect bovine endometrial cells against pore-forming toxins from pathogenic bacteria. <i>FASEB Journal</i> , 2021 , 35, e21889	0.9	4
243	Metabolic profiling in serum, cerebrospinal fluid, and brain of patients with cerebrotendinous xanthomatosis. <i>Journal of Lipid Research</i> , 2021 , 62, 100078	6.3	2
242	Gene expression identifies metabolic and functional differences between intramuscular and subcutaneous adipocytes in cattle. <i>BMC Genomics</i> , 2020 , 21, 77	4.5	9
241	Oxysterols as lipid mediators: Their biosynthetic genes, enzymes and metabolites. <i>Prostaglandins and Other Lipid Mediators</i> , 2020 , 147, 106381	3.7	28
240	Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. <i>Journal of Lipid Research</i> , 2020 , 61, 1539-1555	6.3	119
239	The Biosynthesis of Enzymatically Oxidized Lipids. <i>Frontiers in Endocrinology</i> , 2020 , 11, 591819	5.7	25
238	Standardizing and increasing the utility of lipidomics: a look to the next decade. <i>Expert Review of Proteomics</i> , 2020 , 17, 699-717	4.2	0

237	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	11.5	96
236	Metabolic Network Analysis Reveals Altered Bile Acid Synthesis and Metabolism in Alzheimer's Disease. <i>Cell Reports Medicine</i> , 2020 , 1, 100138	18	34
235	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	11.5	26
234	Formation and metabolism of oxysterols and cholestenoic acids found in the mouse circulation: Lessons learnt from deuterium-enrichment experiments and the CYP46A1 transgenic mouse. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 195, 105475	5.1	4
233	24(),25-Epoxycholesterol and () overexpression promote midbrain dopaminergic neurogenesis. <i>Journal of Biological Chemistry</i> , 2019 , 294, 4169-4176	5.4	20
232	Elevated oxysterol levels in human and mouse livers reflect nonalcoholic steatohepatitis. <i>Journal of Lipid Research</i> , 2019 , 60, 1270-1283	6.3	22
231	Metabolism of Non-Enzymatically Derived Oxysterols: Clues from sterol metabolic disorders. <i>Free Radical Biology and Medicine</i> , 2019 , 144, 124-133	7.8	19
230	Mining for Oxysterols in Mouse Brain and Plasma: Relevance to Spastic Paraplegia Type 5. <i>Biomolecules</i> , 2019 , 9,	5.9	7
229	Developing an Enzyme-Assisted Derivatization Method for Analysis of C Bile Alcohols and Acids by Electrospray Ionization-Mass Spectrometry. <i>Molecules</i> , 2019 , 24,	4.8	1
228	First international descriptive and interventional survey for cholesterol and non-cholesterol sterol determination by gas- and liquid-chromatography-Urgent need for harmonisation of analytical methods. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 190, 115-125	5.1	13
227	Oxysterol research: a brief review. <i>Biochemical Society Transactions</i> , 2019 , 47, 517-526	5.1	44
226	Lipidomics needs more standardization. <i>Nature Metabolism</i> , 2019 , 1, 745-747	14.6	74
225	Concentrations of bile acid precursors in cerebrospinal fluid of Alzheimer's disease patients. <i>Free Radical Biology and Medicine</i> , 2019 , 134, 42-52	7.8	17
224	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	5	24
223	Sterolomics in biology, biochemistry, medicine. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115280	14.6	7
222	Modulation of Kv3.1b potassium channel level and intracellular potassium concentration in 158N murine oligodendrocytes and BV-2 murine microglial cells treated with 7-ketocholesterol, 24S-hydroxycholesterol or tetracosanoic acid (C24:0). <i>Biochimie</i> , 2018 , 153, 56-69	4.6	8
221	Identification of unusual oxysterols and bile acids with 7-oxo or 3,5,6-trihydroxy functions in human plasma by charge-tagging mass spectrometry with multistage fragmentation. <i>Journal of Lipid Research</i> , 2018 , 59, 1058-1070	6.3	20
220	An update on oxysterol biochemistry: New discoveries in lipidomics. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 504, 617-622	3.4	20

219	Unravelling new pathways of sterol metabolism: lessons learned from in-born errors and cancer. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2018 , 21, 90-96	3.8	14
218	Identification of 7 β -24-dihydroxy-3-oxocholest-4-en-26-oic and 7 β -25-dihydroxy-3-oxocholest-4-en-26-oic acids in human cerebrospinal fluid and plasma. <i>Biochimie</i> , 2018 , 153, 86-98	4.6	12
217	International descriptive and interventional survey for oxysterol determination by gas- and liquid-chromatographic methods. <i>Biochimie</i> , 2018 , 153, 26-32	4.6	8
216	Sterols and oxysterols in plasma from Smith-Lemli-Opitz syndrome patients. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 169, 77-87	5.1	26
215	Cholesteromics: An update. <i>Analytical Biochemistry</i> , 2017 , 524, 56-67	3.1	35
214	Charge-tagging liquid chromatography-mass spectrometry methodology targeting oxysterol diastereoisomers. <i>Chemistry and Physics of Lipids</i> , 2017 , 207, 69-80	3.7	11
213	Introduction and Overview of Lipidomic Strategies. <i>Neuromethods</i> , 2017 , 1-11	0.4	2
212	Sterolomics: State of the art, developments, limitations and challenges. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 771-773	5	6
211	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	6.2	26
210	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	5.1	17
209	Defective cholesterol metabolism in amyotrophic lateral sclerosis. <i>Journal of Lipid Research</i> , 2017 , 58, 267-278	6.3	73
208	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	11.5	42
207	New methods for analysis of oxysterols and related compounds by LC-MS. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 162, 4-26	5.1	45
206	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	9.7	33
205	Current trends in oxysterol research. <i>Biochemical Society Transactions</i> , 2016 , 44, 652-8	5.1	37
204	The oxysterol and cholestenic acid profile of mouse cerebrospinal fluid. <i>Steroids</i> , 2015 , 99, 172-7	2.8	18
203	Cholesterol metabolites exported from human brain. <i>Steroids</i> , 2015 , 99, 189-93	2.8	64
202	Revised sample preparation for the analysis of oxysterols by enzyme-assisted derivatisation for sterol analysis (EADSA). <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5235-9	4.4	10

201	Quantitative charge-tags for sterol and oxysterol analysis. <i>Clinical Chemistry</i> , 2015 , 61, 400-11	5.5	68
200	Oxysterols in the brain of the cholesterol 24-hydroxylase knockout mouse. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 768-74	3.4	38
199	Studies on the analysis of 25-hydroxyvitamin D(3) by isotope-dilution liquid chromatography-tandem mass spectrometry using enzyme-assisted derivatisation. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 745-50	3.4	11
198	Evaluation of novel derivatisation reagents for the analysis of oxysterols. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 756-61	3.4	12
197	A new derivative for oxysteroid analysis by mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 762-7	3.4	8
196	24S,25-Epoxycholesterol in mouse and rat brain. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 449, 229-34	3.4	15
195	Liver disease in infancy caused by oxysterol 7 hydroxylase deficiency: successful treatment with chenodeoxycholic acid. <i>Journal of Inherited Metabolic Disease</i> , 2014 , 37, 851-61	5.4	46
194	Cholestenic acids regulate motor neuron survival via liver X receptors. <i>Journal of Clinical Investigation</i> , 2014 , 124, 4829-42	15.9	69
193	Role of AMACR (β-methylacyl-CoA racemase) and MFE-1 (peroxisomal multifunctional enzyme-1) in bile acid synthesis in mice. <i>Biochemical Journal</i> , 2014 , 461, 125-35	3.8	15
192	Effects of a disrupted blood-brain barrier on cholesterol homeostasis in the brain. <i>Journal of Biological Chemistry</i> , 2014 , 289, 23712-22	5.4	59
191	On the formation of 7-ketocholesterol from 7-dehydrocholesterol in patients with CTX and SLO. <i>Journal of Lipid Research</i> , 2014 , 55, 1165-72	6.3	41
190	Lipidomics in Metabolomics 2014 , 157-164		
189	Methods for oxysterol analysis: past, present and future. <i>Biochemical Pharmacology</i> , 2013 , 86, 3-14	6	68
188	Synthesis and biological activity of (24E)- and (24Z)-26-hydroxydesmosterol. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 5794-8	3.4	3
187	The transcription factor STAT-1 couples macrophage synthesis of 25-hydroxycholesterol to the interferon antiviral response. <i>Immunity</i> , 2013 , 38, 106-18	32.3	258
186	A comprehensive machine-readable view of the mammalian cholesterol biosynthesis pathway. <i>Biochemical Pharmacology</i> , 2013 , 86, 56-66	6	49
185	Brain endogenous liver X receptor ligands selectively promote midbrain neurogenesis. <i>Nature Chemical Biology</i> , 2013 , 9, 126-33	11.7	88
184	Prothioconazole and prothioconazole-desthio activities against <i>Candida albicans</i> sterol 14-β-demethylase. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 1639-45	4.8	52

183	Shotgun cholanomics of ileal fluid. <i>Biochimie</i> , 2013 , 95, 461-3	4.6	4
182	Analytical strategies for characterization of oxysterol lipidomes: liver X receptor ligands in plasma. <i>Free Radical Biology and Medicine</i> , 2013 , 59, 69-84	7.8	49
181	Analysis by liquid chromatography-mass spectrometry of sterols and oxysterols in brain of the newborn Dhcr7(β -5/T93M) mouse: a model of Smith-Lemli-Opitz syndrome. <i>Biochemical Pharmacology</i> , 2013 , 86, 43-55	6	19
180	Shorthand notation for lipid structures derived from mass spectrometry. <i>Journal of Lipid Research</i> , 2013 , 54, 1523-1530	6.3	531
179	Development and application of novel analytical methods in lipidomics 2013 , 49-80		
178	Mass Spectrometry for Steroid Analysis 2012 , 297-337		
177	Analysis of bioactive oxysterols in newborn mouse brain by LC/MS. <i>Journal of Lipid Research</i> , 2012 , 53, 2469-83	6.3	41
176	Mass Spectrometry in Metabolomics 2011 , 271-298		0
175	Detecting oxysterols in the human circulation. <i>Nature Immunology</i> , 2011 , 12, 577; author reply 577-8	19.1	9
174	Analysis of oxysterol metabolomes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 784-99	5	27
173	Regulation and feedback of cholesterol metabolism. <i>Nature Precedings</i> , 2011 ,		5
172	On the future of "omics": lipidomics. <i>Journal of Inherited Metabolic Disease</i> , 2011 , 34, 583-92	5.4	27
171	Biosynthesis of 14,15-hepoxilins in human I1236 Hodgkin lymphoma cells and eosinophils. <i>Lipids</i> , 2011 , 46, 69-79	1.6	12
170	Characterisation of polyacetylenes isolated from carrot (<i>Daucus carota</i>) extracts by negative ion tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 2231-9	2.2	14
169	Nano-liquid chromatography-tandem mass spectrometry analysis of oxysterols in brain: monitoring of cholesterol autoxidation. <i>Chemistry and Physics of Lipids</i> , 2011 , 164, 411-24	3.7	32
168	Are 15-oxygenated sterols present in the human circulation?. <i>Journal of Lipid Research</i> , 2011 , 52, 4-5	6.3	4
167	Cerebrospinal fluid steroidomics: are bioactive bile acids present in brain?. <i>Journal of Biological Chemistry</i> , 2010 , 285, 4666-79	5.4	94
166	General Methods for the Extraction, Purification, and Measurement of Steroids by Chromatography and Mass Spectrometry 2010 , 163-282		13

165	Spectroscopic Methods of Steroid Analysis 2010 , 27-161		18
164	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, 287-91	2.1	13
163	Bile acids: analysis in biological fluids and tissues. <i>Journal of Lipid Research</i> , 2010 , 51, 23-41	6.3	94
162	Analytical strategies for characterization of bile acid and oxysterol metabolomes. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 396, 80-4	3.4	27
161	Targeted metabolomics and mass spectrometry. <i>Advances in Protein Chemistry and Structural Biology</i> , 2010 , 80, 45-83	5.3	73
160	Targeted metabolomics for biomarker discovery. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5426-45	16.4	248
159	Bile acids: analysis in biological fluids and tissues. <i>Journal of Lipid Research</i> , 2010 , 51, 23-41	6.3	102
158	Analysis of Bile Acids 2010 , 837-966		16
157	Quantitative proteomics characterization of a mouse embryonic stem cell model of Down syndrome. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 585-95	7.6	18
156	Analysis of pregnenolone and dehydroepiandrosterone in rodent brain: cholesterol autoxidation is the key. <i>Journal of Lipid Research</i> , 2009 , 50, 2430-44	6.3	37
155	Sterol lipidomics in health and disease: Methodologies and applications. <i>European Journal of Lipid Science and Technology</i> , 2009 , 111, 14-38	3	22
154	Proteomic investigation of urinary markers of carbon-tetrachloride-induced hepatic fibrosis in the Hanover Wistar rat. <i>Cell Biology and Toxicology</i> , 2009 , 25, 499-512	7.4	15
153	Components derived from Pelargonium stimulate macrophage killing of Mycobacterium species. <i>Journal of Applied Microbiology</i> , 2009 , 106, 1184-93	4.7	17
152	Analysis of neurosterols by GC-MS and LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2778-805	3.2	63
151	Mass spectrometry: from proteomics to metabolomics and lipidomics. <i>Chemical Society Reviews</i> , 2009 , 38, 1882-96	58.5	179
150	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, 1672-81	5.6	48
149	Microsomal glutathione transferase 1 exhibits one-third-of-the-sites-reactivity towards glutathione. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 487, 42-8	4.1	26
148	Targeted lipidomic analysis of oxysterols in the embryonic central nervous system. <i>Molecular BioSystems</i> , 2009 , 5, 529-41		30

147	The importance of steroidomics in the study of neurodegenerative disease and ageing. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009 , 12, 212-28	1.3	5
146	Release of metabolic enzymes by Giardia in response to interaction with intestinal epithelial cells. <i>Molecular and Biochemical Parasitology</i> , 2008 , 159, 85-91	1.9	135
145	Capillary liquid chromatography combined with tandem mass spectrometry for the study of neurosteroids and oxysterols in brain. <i>Neurochemistry International</i> , 2008 , 52, 506-21	4.4	19
144	Pregnenolone sulfate in the brain: a controversial neurosteroid. <i>Neurochemistry International</i> , 2008 , 52, 522-40	4.4	86
143	Discovering oxysterols in plasma: a window on the metabolome. <i>Journal of Proteome Research</i> , 2008 , 7, 3602-12	5.6	63
142	The effect of 24S-hydroxycholesterol on cholesterol homeostasis in neurons: quantitative changes to the cortical neuron proteome. <i>Journal of Proteome Research</i> , 2008 , 7, 1606-14	5.6	60
141	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, 1317-24	5.5	48
140	Eoxins 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, 680-5	11.5	121
139	An assay combining high-performance liquid chromatography and mass spectrometry to measure DNA interstrand cross-linking efficiency in oligonucleotides of varying sequences. <i>Analytical Biochemistry</i> , 2008 , 374, 173-81	3.1	20
138	Hodgkin Reed-Sternberg cells express 15-lipoxygenase-1 and are putative producers of eoxins in vivo: novel insight into the inflammatory features of classical Hodgkin lymphoma. <i>FEBS Journal</i> , 2008 , 275, 4222-34	5.7	19
137	Characterization of troponin responses in isoproterenol-induced cardiac injury in the Hanover Wistar rat. <i>Toxicologic Pathology</i> , 2007 , 35, 606-17	2.1	61
136	Liquid chromatography-mass spectrometry utilizing multi-stage fragmentation for the identification of oxysterols. <i>Journal of Lipid Research</i> , 2007 , 48, 976-87	6.3	93
135	Comparative cytochrome P450 proteomics in the livers of immunodeficient mice using 18O stable isotope labeling. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 953-62	7.6	42
134	Metabolomics and metabolite profiling: past heroes and future developments. <i>European Journal of Mass Spectrometry</i> , 2007 , 13, 45-50	1.1	36
133	Deletion of a xenobiotic metabolizing gene in mice affects folate metabolism. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 364, 556-60	3.4	46
132	Analysis of neurosterols and neurosteroids by mass spectrometry. <i>Biochimie</i> , 2007 , 89, 182-91	4.6	33
131	Chapter 3: Steroids, Sterols and the Nervous System. <i>RSC Biomolecular Sciences</i> , 2007 , 71-115		
130	Modern Methods of Bile Acid Analysis by Mass Spectrometry: A View into the Metabolome. <i>Current Analytical Chemistry</i> , 2007 , 3, 103-126	1.7	10

129	DMSO-related effects in protein characterization. <i>Journal of Biomolecular Screening</i> , 2006 , 11, 131-7		110
128	Analysis of oxysterols by electrospray tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 341-62	3.5	92
127	Matrix-assisted laser desorption/ionization high-energy collision-induced dissociation of steroids: analysis of oxysterols in rat brain. <i>Analytical Chemistry</i> , 2006 , 78, 164-73	7.8	44
126	Analysis of derivatised steroids by matrix-assisted laser desorption/ionisation and post-source decay mass spectrometry. <i>Steroids</i> , 2006 , 71, 42-53	2.8	33
125	Proteomic analysis of cytochromes P450: a mass spectrometry approach. <i>Biochemical Society Transactions</i> , 2006 , 34, 1246-51	5.1	23
124	Haemoglobin S β ert β e (beta118 Phe \rightarrow Val): a new mutation in human haemoglobin identified by electrospray ionisation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 3481-2	2.2	1
123	Electrospray mass spectrometry for the direct accurate mass measurement of ligands in complex with the retinoid X receptor alpha ligand binding domain. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1631-40	3.5	5
122	Hydrolysis of the amyloid beta-peptide (A beta) 1-40 between Asp23-Val24 produces non-aggregating fragments. An electrospray mass spectrometric study. <i>Journal of Mass Spectrometry</i> , 2005 , 40, 142-5	2.2	7
121	Specificity of receptor-ligand interactions and their effect on dimerisation as observed by electrospray mass spectrometry: bile acids form stable adducts to the RXRalpha. <i>Journal of Mass Spectrometry</i> , 2005 , 40, 1448-61	2.2	4
120	Vernix caseosa as a multi-component defence system based on polypeptides, lipids and their interactions. <i>Cellular and Molecular Life Sciences</i> , 2005 , 62, 2390-9	10.3	85
119	Novel lipoidal derivatives of pregnenolone and dehydroepiandrosterone and absence of their sulfated counterparts in rodent brain. <i>Journal of Lipid Research</i> , 2004 , 45, 2287-302	6.3	91
118	Polyunsaturated fatty acids including docosahexaenoic and arachidonic acid bind to the retinoid X receptor alpha ligand-binding domain. <i>Molecular and Cellular Proteomics</i> , 2004 , 3, 692-703	7.6	223
117	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, 13311-6	5.4	35
116	Apolipoprotein CIII promotes Ca ²⁺ -dependent beta cell death in type 1 diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10090-4	11.5	69
115	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, 382-6	4	27
114	The antimicrobial peptide LL-37 binds to the human plasma protein apolipoprotein A-I. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 588-9	2.2	21
113	Identification of variant forms of the neuroendocrine peptide galanin. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 1583-91	2.2	4
112	Accurate mass measurement and tandem mass spectrometry of intact globin chains identify the low proportion variant hemoglobin Lepore-Boston-Washington from the blood of a heterozygote. <i>Journal of Mass Spectrometry</i> , 2004 , 39, 289-94	2.2	11

111	Determination of dissociation constants for protein-ligand complexes by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 4325-31	7.8	76
110	Identification of cytochrome P450 enzymes in human colorectal metastases and the surrounding liver: a proteomic approach. <i>European Journal of Cancer</i> , 2004 , 40, 2127-34	7.5	25
109	High-energy collision-induced dissociation of oxosteroids derivatised to Girard hydrazones. <i>European Journal of Mass Spectrometry</i> , 2004 , 10, 63-88	1.1	23
108	30 Antimicrobial Components of Vernix Caseosa. <i>Pediatric Research</i> , 2004 , 56, 469-469	3.2	
107	Neurosteroids in rat brain: extraction, isolation, and analysis by nanoscale liquid chromatography-electrospray mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 5835-46	7.8	123
106	Distinct but parallel evolutionary patterns between alcohol and aldehyde dehydrogenases: addition of fish/human betaine aldehyde dehydrogenase divergence. <i>Cellular and Molecular Life Sciences</i> , 2003 , 60, 2009-16	10.3	11
105	The mammalian alcohol dehydrogenases interact in several metabolic pathways. <i>Chemico-Biological Interactions</i> , 2003 , 143-144, 175-81	5	37
104	Characterisation of alpha-1 giardin: an immunodominant Giardia lamblia annexin with glycosaminoglycan-binding activity. <i>International Journal for Parasitology</i> , 2003 , 33, 1341-51	4.3	73
103	Tandem mass spectrometry in the study of fatty acids, bile acids, and steroids. <i>Mass Spectrometry Reviews</i> , 2003 , 22, 81-152	11	253
102	Reduction of S-nitrosoglutathione by human alcohol dehydrogenase 3 is an irreversible reaction as analysed by electrospray mass spectrometry. <i>FEBS Journal</i> , 2003 , 270, 1249-56		57
101	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, 924-35	2.2	96
100	Identification of a potent antibacterial factor isolated from bronchoalveolar lavage fluid: guanidine, N-[3-[(aminoiminomethyl)amino]propyl]-N-dodecyl-, a potential source of error in the analysis of antibacterial agents. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 183-91	2.2	1
99	Capillary liquid chromatography/electrospray mass spectrometry for analysis of steroid sulfates in biological samples. <i>Analytical Chemistry</i> , 2003 , 75, 791-7	7.8	29
98	On-column electrochemical reactions accompanying the electrospray process. <i>Analytical Chemistry</i> , 2003 , 75, 1022-30	7.8	20
97	Accurate mass measurement by electrospray ionization quadrupole mass spectrometry: detection of variants differing by . <i>Analytical Chemistry</i> , 2003 , 75, 1978-82	7.8	46
96	Identification of immunoreactive proteins during acute human giardiasis. <i>Journal of Infectious Diseases</i> , 2003 , 187, 1849-59	7	87
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