

Michael H Gelb

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.

284
papers

20,327
citations

73
h-index

133
g-index

338
ext. papers

21,978
ext. citations

6.3
avg, IF

6.44
L-index

#	Paper	IF	Citations
284	The interaction of secreted phospholipase A2-IIA with the microbiota alters its lipidome and promotes inflammation.. <i>JCI Insight</i> , 2022 , 7,	9.9	4
283	Early Stages of Drug Discovery in an Academic Institution and Involvement of Pharma for Advancing Promising Leads. <i>ACS Infectious Diseases</i> , 2021 , 7, 1874-1876	5.5	0
282	Consensus recommendations for the classification and long-term follow up of infants who screen positive for Krabbe Disease. <i>Molecular Genetics and Metabolism</i> , 2021 , 134, 53-59	3.7	1
281	Exercise-induced alterations in phospholipid hydrolysis, airway surfactant, and eicosanoids and their role in airway hyperresponsiveness in asthma. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L705-L714	5.8	2
280	Coronavirus-specific antibody production in middle-aged mice requires phospholipase A2G2D. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	3
279	Detection of GM1-gangliosidosis in newborn dried blood spots by enzyme activity and biomarker assays using tandem mass spectrometry. <i>Journal of Inherited Metabolic Disease</i> , 2021 , 44, 264-271	5.4	4
278	Toward newborn screening of metachromatic leukodystrophy: results from analysis of over 27,000 newborn dried blood spots. <i>Genetics in Medicine</i> , 2021 , 23, 555-561	8.1	6
277	The future of newborn screening for lysosomal disorders. <i>Neuroscience Letters</i> , 2021 , 760, 136080	3.3	1
276	Secreted Phospholipase A Group X Acts as an Adjuvant for Type 2 Inflammation, Leading to an Allergen-Specific Immune Response in the Lung. <i>Journal of Immunology</i> , 2020 , 204, 3097-3107	5.3	2
275	A highly multiplexed biochemical assay for analytes in dried blood spots: application to newborn screening and diagnosis of lysosomal storage disorders and other inborn errors of metabolism. <i>Genetics in Medicine</i> , 2020 , 22, 1262-1268	8.1	5
274	Toward newborn screening of cerebrotendinous xanthomatosis: results of a biomarker research study using 32,000 newborn dried blood spots. <i>Genetics in Medicine</i> , 2020 , 22, 1606-1612	8.1	8
273	Validation of Liquid Chromatography-Tandem Mass Spectrometry-Based 5-Plex Assay for Mucopolysaccharidoses. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
272	Newborn screening for Morquio disease and other lysosomal storage diseases: results from the 8-plex assay for 70,000 newborns. <i>Orphanet Journal of Rare Diseases</i> , 2020 , 15, 38	4.2	15
271	Phenotypic Drug Discovery for Human African Trypanosomiasis: A Powerful Approach. <i>Tropical Medicine and Infectious Disease</i> , 2020 , 5,	3.5	3
270	The critical role of psychosine in screening, diagnosis, and monitoring of Krabbe disease. <i>Genetics in Medicine</i> , 2020 , 22, 1108-1118	8.1	17
269	Leukocyte and Dried Blood Spot Arylsulfatase A Assay by Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 6341-6348	7.8	8
268	Achieving Congruence among Reference Laboratories for Absolute Abundance Measurement of Analytes for Rare Diseases: Psychosine for Diagnosis and Prognosis of Krabbe Disease. <i>International Journal of Neonatal Screening</i> , 2020 , 6,	2.6	6

267	Macrophages Expressing GALC Improve Peripheral Krabbe Disease by a Mechanism Independent of Cross-Correction. <i>Neuron</i> , 2020 , 107, 65-81.e9	13.9	19
266	A Case of Lysosomal Acid Lipase Deficiency Confirmed by Response to Sebelipase Alfa Therapy. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020 , 71, 726-730	2.8	1
265	Newborn Screening for Mucopolysaccharidoses: Results of a Pilot Study with 100 000 Dried Blood Spots. <i>Journal of Pediatrics</i> , 2020 , 216, 204-207	3.6	17
264	Tandem Mass Spectrometry Enzyme Assays for Multiplex Detection of 10-Mucopolysaccharidoses in Dried Blood Spots and Fibroblasts. <i>Analytical Chemistry</i> , 2020 , 92, 11721-11727	7.8	3
263	Family Attitudes regarding Newborn Screening for Krabbe Disease: Results from a Survey of Leukodystrophy Registries. <i>International Journal of Neonatal Screening</i> , 2020 , 6,	2.6	1
262	Evaluation of Multiple Methods for Quantification of Glycosaminoglycan Biomarkers in Newborn Dried Blood Spots from Patients with Severe and Attenuated Mucopolysaccharidosis-I. <i>International Journal of Neonatal Screening</i> , 2020 , 6, 69	2.6	8
261	Respective contribution of cytosolic phospholipase A2 and secreted phospholipase A IIA to inflammation and eicosanoid production in arthritis. <i>Prostaglandins and Other Lipid Mediators</i> , 2019 , 143, 106340	3.7	13
260	Bioactivity of Farnesyltransferase Inhibitors Against and. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 180	5.9	6
259	The Importance of Assay Imprecision near the Screen Cutoff for Newborn Screening of Lysosomal Storage Diseases. <i>International Journal of Neonatal Screening</i> , 2019 , 5,	2.6	6
258	Newborn Screening for Lysosomal Storage Disorders: Methodologies for Measurement of Enzymatic Activities in Dried Blood Spots. <i>International Journal of Neonatal Screening</i> , 2019 , 5,	2.6	25
257	Tandem mass spectrometry-based multiplex assays for β -mannosidosis and fucosidosis. <i>Molecular Genetics and Metabolism</i> , 2019 , 127, 207-211	3.7	11
256	Taiwan National Newborn Screening Program by Tandem Mass Spectrometry for Mucopolysaccharidoses Types I, II, and VI. <i>Journal of Pediatrics</i> , 2019 , 205, 176-182	3.6	35
255	Function of secreted phospholipase A group-X in asthma and allergic disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 827-837	5	12
254	Triazolopyrimidines and Imidazopyridines: Structure-Activity Relationships and in Vivo Efficacy for Trypanosomiasis. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 105-110	4.3	13
253	Specific Substrate for the Assay of Lysosomal Acid Lipase. <i>Clinical Chemistry</i> , 2018 , 64, 690-696	5.5	12
252	Multiplex tandem mass spectrometry assay for newborn screening of X-linked adrenoleukodystrophy, biotinidase deficiency, and galactosemia with flexibility to assay other enzyme assays and biomarkers. <i>Molecular Genetics and Metabolism</i> , 2018 , 124, 101-108	3.7	5
251	An Inexpensive, In-House-Made, Microdialysis Device for Measuring Drug-Protein Binding. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 279-282	4.3	3
250	Absolute Amounts of Analytes: When Gravimetric Methods Are Insufficient. <i>Clinical Chemistry</i> , 2018 , 64, 1430-1432	5.5	4

249	Consensus guidelines for newborn screening, diagnosis and treatment of infantile Krabbe disease. <i>Orphanet Journal of Rare Diseases</i> , 2018 , 13, 30	4.2	40
248	One-step synthesis of carbon-13-labeled globotriaosylsphingosine (lyso-Gb3), an internal standard for biomarker analysis of Fabry disease. <i>Molecular Genetics and Metabolism</i> , 2018 , 125, 292-294	3.7	2
247	Newborn Screening for Lysosomal Storage Diseases: Methodologies, Screen Positive Rates, Normalization of Datasets, Second-Tier Tests, and Post-Analysis Tools. <i>International Journal of Neonatal Screening</i> , 2018 , 4,	2.6	37
246	Detection of Infantile Batten Disease by Tandem Mass Spectrometry Assay of PPT1 Enzyme Activity in Dried Blood Spots. <i>Analytical Chemistry</i> , 2018 , 90, 12168-12171	7.8	6
245	Detection of mucopolysaccharidosis III-A (Sanfilippo Syndrome-A) in dried blood spots (DBS) by tandem mass spectrometry. <i>Molecular Genetics and Metabolism</i> , 2018 , 125, 59-63	3.7	9
244	Liquid Chromatography-Tandem Mass Spectrometry Assay of Leukocyte Acid β Glucosidase for Post-Newborn Screening Evaluation of Pompe Disease. <i>Clinical Chemistry</i> , 2017 , 63, 842-851	5.5	16
243	Multiplex Tandem Mass Spectrometry Enzymatic Activity Assay for Newborn Screening of the Mucopolysaccharidoses and Type 2 Neuronal Ceroid Lipofuscinosis. <i>Clinical Chemistry</i> , 2017 , 63, 1118-1126	5.5	41
242	Mass Spectrometry but Not Fluorimetry Distinguishes Affected and Pseudodeficiency Patients in Newborn Screening for Pompe Disease. <i>Clinical Chemistry</i> , 2017 , 63, 1271-1277	5.5	26
241	Comparison of tandem mass spectrometry to fluorimetry for newborn screening of LSDs. <i>Molecular Genetics and Metabolism Reports</i> , 2017 , 12, 80-81	1.8	8
240	Lymphocyte Galactocerebrosidase Activity by LC-MS/MS for Post-Newborn Screening Evaluation of Krabbe Disease. <i>Clinical Chemistry</i> , 2017 , 63, 1363-1369	5.5	15
239	Urea Derivatives of 2-Aryl-benzothiazol-5-amines: A New Class of Potential Drugs for Human African Trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 957-971	8.3	33
238	1-Benzyl-3-aryl-2-thiohydantoin Derivatives as New Anti- Agents: SAR and in Vivo Efficacy. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 886-891	4.3	16
237	Regulation of calcium release from the endoplasmic reticulum by the serine hydrolase ABHD2. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 490, 1226-1231	3.4	6
236	New Class of Antitrypanosomal Agents Based on Imidazopyridines. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 766-770	4.3	15
235	Discovery of N-(2-aminoethyl)-N-benzoyloxyphenyl benzamides: New potent Trypanosoma brucei inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 1571-1584	3.4	8
234	Newborn Screening for Lysosomal Storage Diseases: A Concise Review of the Literature on Screening Methods, Therapeutic Possibilities and Regional Programs. <i>International Journal of Neonatal Screening</i> , 2017 , 3,	2.6	49
233	Secreted PLA2 group X orchestrates innate and adaptive immune responses to inhaled allergen. <i>JCI Insight</i> , 2017 , 2,	9.9	21
232	Dataset and standard operating procedure for newborn screening of six lysosomal storage diseases: By tandem mass spectrometry. <i>Data in Brief</i> , 2016 , 8, 915-24	1.2	8

231	Identification of Epithelial Phospholipase A Receptor 1 as a Potential Target in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 55, 825-836	5.7	19
230	Newborn screening for Krabbe's disease. <i>Journal of Neuroscience Research</i> , 2016 , 94, 1063-75	4.4	18
229	Secreted Phospholipases A2 Are Intestinal Stem Cell Niche Factors with Distinct Roles in Homeostasis, Inflammation, and Cancer. <i>Cell Stem Cell</i> , 2016 , 19, 38-51	18	57
228	Pilot study of newborn screening for six lysosomal storage diseases using Tandem Mass Spectrometry. <i>Molecular Genetics and Metabolism</i> , 2016 , 118, 304-9	3.7	98
227	Fluorometric High-Throughput Screening Assay for Secreted Phospholipases A2 Using Phospholipid Vesicles. <i>Journal of Biomolecular Screening</i> , 2016 , 21, 713-21		3
226	5-Fluoroimidazo[4,5-b]pyridine Is a Privileged Fragment That Conveys Bioavailability to Potent Trypanosomal Methionyl-tRNA Synthetase Inhibitors. <i>ACS Infectious Diseases</i> , 2016 , 2, 399-404	5.5	21
225	Endogenous secreted phospholipase A2 group X regulates cysteinyl leukotrienes synthesis by human eosinophils. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 268-277.e8	11.5	16
224	Development of a potent 2-oxoamide inhibitor of secreted phospholipase A2 guided by molecular docking calculations and molecular dynamics simulations. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 1683-95	3.4	19
223	Sulfatide Analysis by Mass Spectrometry for Screening of Metachromatic Leukodystrophy in Dried Blood and Urine Samples. <i>Clinical Chemistry</i> , 2016 , 62, 279-86	5.5	44
222	Expression and Function of Group IIE Phospholipase A2 in Mouse Skin. <i>Journal of Biological Chemistry</i> , 2016 , 291, 15602-13	5.4	15
221	Newborn Screening for Lysosomal Storage Disorders: Quo Vadis?. <i>Clinical Chemistry</i> , 2016 , 62, 1430-1438	5.5	16
220	Dual Roles of Group IID Phospholipase A2 in Inflammation and Cancer. <i>Journal of Biological Chemistry</i> , 2016 , 291, 15588-601	5.4	35
219	Repurposing strategies for tropical disease drug discovery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 2569-76	2.9	70
218	Off-target effect of the cPLA2 inhibitor pyrrophenone: Inhibition of calcium release from the endoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 479, 61-6	3.4	5
217	Platelet microparticles are internalized in neutrophils via the concerted activity of 12-lipoxygenase and secreted phospholipase A2-IIA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E3564-73	11.5	139
216	Reliable Assay of Acid Sphingomyelinase Deficiency with the Mutation Q292K by Tandem Mass Spectrometry. <i>Clinical Chemistry</i> , 2015 , 61, 771-2	5.5	9
215	In vitro anti-Plasmodium falciparum properties of the full set of human secreted phospholipases A2. <i>Infection and Immunity</i> , 2015 , 83, 2453-65	3.7	6
214	Tandem Mass Spectrometry Has a Larger Analytical Range than Fluorescence Assays of Lysosomal Enzymes: Application to Newborn Screening and Diagnosis of Mucopolysaccharidoses Types II, IVA, and VI. <i>Clinical Chemistry</i> , 2015 , 61, 1363-71	5.5	48

213	Critical role of phospholipase A2 group IID in age-related susceptibility to severe acute respiratory syndrome-CoV infection. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1851-68	16.6	81
212	The role of group IIF-secreted phospholipase A2 in epidermal homeostasis and hyperplasia. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1901-19	16.6	48
211	Fluorimetric assays for N-acetylgalactosamine-6-sulfatase and arylsulfatase B based on the natural substrates for confirmation of mucopolysaccharidoses types IVA and VI. <i>Clinica Chimica Acta</i> , 2015 , 451, 125-8	6.2	5
210	Matrix metalloproteinase-2 negatively regulates cardiac secreted phospholipase A2 to modulate inflammation and fever. <i>Journal of the American Heart Association</i> , 2015 , 4,	6	23
209	Newborn screening for lysosomal storage diseases. <i>Clinical Chemistry</i> , 2015 , 61, 335-46	5.5	78
208	Detection and quantification of microparticles from different cellular lineages using flow cytometry. Evaluation of the impact of secreted phospholipase A2 on microparticle assessment. <i>PLoS ONE</i> , 2015 , 10, e0116812	3.7	54
207	Study of the role of cytosolic phospholipase A2 alpha in eicosanoid generation and thymocyte maturation in the thymus. <i>PLoS ONE</i> , 2015 , 10, e0126204	3.7	3
206	sPLA2 and the epidermal barrier. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 416-21	5	25
205	Substituted 2-phenylimidazopyridines: a new class of drug leads for human African trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 828-35	8.3	57
204	Recent developments in drug discovery for leishmaniasis and human African trypanosomiasis. <i>Chemical Reviews</i> , 2014 , 114, 11305-47	68.1	217
203	Improved reagents for newborn screening of mucopolysaccharidosis types I, II, and VI by tandem mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 4508-14	7.8	34
202	Tandem mass spectrometry assays of palmitoyl protein thioesterase 1 and tripeptidyl peptidase activity in dried blood spots for the detection of neuronal ceroid lipofuscinoses in newborns. <i>Analytical Chemistry</i> , 2014 , 86, 7962-8	7.8	17
201	Incidence and carrier frequency of Sandhoff disease in Saskatchewan determined using a novel substrate with detection by tandem mass spectrometry and molecular genetic analysis. <i>Molecular Genetics and Metabolism</i> , 2014 , 111, 382-389	3.7	14
200	Quantification of sulfatides in dried blood and urine spots from metachromatic leukodystrophy patients by liquid chromatography/electrospray tandem mass spectrometry. <i>Clinica Chimica Acta</i> , 2014 , 433, 39-43	6.2	18
199	Lack of group X secreted phospholipase A ₂ increases survival following pandemic H1N1 influenza infection. <i>Virology</i> , 2014 , 454-455, 78-92	3.6	14
198	The adipocyte-inducible secreted phospholipases PLA2G5 and PLA2G2E play distinct roles in obesity. <i>Cell Metabolism</i> , 2014 , 20, 119-32	24.6	73
197	Platelets release mitochondria serving as substrate for bactericidal group IIA-secreted phospholipase A2 to promote inflammation. <i>Blood</i> , 2014 , 124, 2173-83	2.2	339
196	Increased density of intraepithelial mast cells in patients with exercise-induced bronchoconstriction regulated through epithelially derived thymic stromal lymphopoietin and IL-33. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 1448-55	11.5	41

195	Dialkylimidazole inhibitors of Trypanosoma cruzi sterol 14 α -demethylase as anti-Chagas disease agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 6492-9	2.9	11
194	Mast cell maturation is driven via a group III phospholipase A2-prostaglandin D2-DP1 receptor paracrine axis. <i>Nature Immunology</i> , 2013 , 14, 554-63	19.1	87
193	Identification of infants at risk for developing Fabry, Pompe, or mucopolysaccharidosis-I from newborn blood spots by tandem mass spectrometry. <i>Journal of Pediatrics</i> , 2013 , 163, 498-503	3.6	129
192	High-throughput assay of 9 lysosomal enzymes for newborn screening. <i>Clinical Chemistry</i> , 2013 , 59, 502-515	3.5	74
191	Regulation and function of epithelial secreted phospholipase A2 group X in asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 42-50	10.2	33
190	Lymphoid tissue phospholipase A2 group IID resolves contact hypersensitivity by driving antiinflammatory lipid mediators. <i>Journal of Experimental Medicine</i> , 2013 , 210, 1217-34	16.6	83
189	Key role of group v secreted phospholipase A2 in Th2 cytokine and dendritic cell-driven airway hyperresponsiveness and remodeling. <i>PLoS ONE</i> , 2013 , 8, e56172	3.7	14
188	New substrates and enzyme assays for the detection of mucopolysaccharidosis III (Sanfilippo Syndrome) types A, B, C, and D by tandem mass spectrometry. <i>Bioconjugate Chemistry</i> , 2012 , 23, 557-64	6.3	21
187	Biochemical characterization of selective inhibitors of human group IIA secreted phospholipase A(2) and hyaluronic acid-linked inhibitor conjugates. <i>Biochemistry</i> , 2012 , 51, 8617-26	3.2	11
186	Lysosomal storage disorder 4+1 multiplex assay for newborn screening using tandem mass spectrometry: application to a small-scale population study for five lysosomal storage disorders. <i>Clinica Chimica Acta</i> , 2012 , 413, 1270-3	6.2	40
185	Phospholipases: an overview. <i>Methods in Molecular Biology</i> , 2012 , 861, 63-85	1.4	40
184	Comparative triplex tandem mass spectrometry assays of lysosomal enzyme activities in dried blood spots using fast liquid chromatography: application to newborn screening of Pompe, Fabry, and Hurler diseases. <i>Analytical Chemistry</i> , 2011 , 83, 4822-8	7.8	37
183	Identification of inhibitors for putative malaria drug targets among novel antimalarial compounds. <i>Molecular and Biochemical Parasitology</i> , 2011 , 175, 21-9	1.9	62
182	Protonation sites and dissociation mechanisms of t-butylcarbamates in tandem mass spectrometric assays for newborn screening. <i>Journal of Mass Spectrometry</i> , 2011 , 46, 1089-98	2.2	15
181	Tandem mass spectrometry for the direct assay of lysosomal enzymes in dried blood spots: application to screening newborns for mucopolysaccharidosis II (Hunter Syndrome). <i>Analytical Chemistry</i> , 2011 , 83, 1152-6	7.8	44
180	Inhibition of secreted phospholipases A2 by 2-oxoamides based on β -amino acids: Synthesis, in vitro evaluation and molecular docking calculations. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 735-43	3.4	32
179	Group V phospholipase A2 in bone marrow-derived myeloid cells and bronchial epithelial cells promotes bacterial clearance after Escherichia coli pneumonia. <i>Journal of Biological Chemistry</i> , 2011 , 286, 35650-35662	5.4	16
178	Group X secreted phospholipase A2 proenzyme is matured by a furin-like proprotein convertase and releases arachidonic acid inside of human HEK293 cells. <i>Journal of Biological Chemistry</i> , 2011 , 286, 36509-21	5.4	26

177	Blockade of human group X secreted phospholipase A2 (GX-sPLA2)-induced airway inflammation and hyperresponsiveness in a mouse asthma model by a selective GX-sPLA2 inhibitor. <i>Journal of Biological Chemistry</i> , 2011 , 286, 28049-55	5.4	30
176	Tandem mass spectrometry for the direct assay of lysosomal enzymes in dried blood spots: application to screening newborns for mucopolysaccharidosis IVA. <i>Clinical Chemistry</i> , 2011 , 57, 128-31	5.5	48
175	Kinetic evaluation of cell membrane hydrolysis during apoptosis by human isoforms of secretory phospholipase A2. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10993-1002	5.4	22
174	A tandem mass spectrometry triplex assay for the detection of Fabry, Pompe, and mucopolysaccharidosis-I (Hurler). <i>Clinical Chemistry</i> , 2010 , 56, 1854-61	5.5	59
173	Eosinophil cysteinyl leukotriene synthesis mediated by exogenous secreted phospholipase A2 group X. <i>Journal of Biological Chemistry</i> , 2010 , 285, 41491-500	5.4	43
172	Group X secretory phospholipase A2 negatively regulates ABCA1 and ABCG1 expression and cholesterol efflux in macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 2014-21	9.4	31
171	Direct assay of delta-aminolevulinic acid dehydratase in heme biosynthesis for the detection of porphyrias by tandem mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 6730-6	7.8	3
170	Tandem mass spectrometry for the direct assay of lysosomal enzymes in dried blood spots: application to screening newborns for mucopolysaccharidosis VI (Maroteaux-Lamy syndrome). <i>Analytical Chemistry</i> , 2010 , 82, 9587-91	7.8	45
169	Multiplex lysosomal enzyme activity assay on dried blood spots using tandem mass spectrometry. <i>Methods in Molecular Biology</i> , 2010 , 603, 339-50	1.4	21
168	Role of phosphorylation and basic residues in the catalytic domain of cytosolic phospholipase A2alpha in regulating interfacial kinetics and binding and cellular function. <i>Journal of Biological Chemistry</i> , 2009 , 284, 9596-611	5.4	43
167	Secretory phospholipase A2: a multifaceted family of proatherogenic enzymes. <i>Current Cardiology Reports</i> , 2009 , 11, 445-51	4.2	61
166	Structural basis for binding and selectivity of antimalarial and anticancer ethylenediamine inhibitors to protein farnesyltransferase. <i>Chemistry and Biology</i> , 2009 , 16, 181-92		29
165	Isoquinoline-based analogs of the cancer drug clinical candidate tipifarnib as anti-Trypanosoma cruzi agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 6582-4	2.9	16
164	Short synthetic sequence for 2-sulfation of alpha-L-iduronate glycosides. <i>Carbohydrate Research</i> , 2009 , 344, 1032-3	2.9	11
163	Rational modification of a candidate cancer drug for use against Chagas disease. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 1639-47	8.3	130
162	Expression of phospholipases A2 in primary human lung macrophages: role of cytosolic phospholipase A2-alpha in arachidonic acid release and platelet activating factor synthesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 92-102	5	27
161	Lung mast cells are a source of secreted phospholipases A2. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 124, 558-65, 565.e1-3	11.5	48
160	Structurally simple inhibitors of lanosterol 14alpha-demethylase are efficacious in a rodent model of acute Chagas disease. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 3703-15	8.3	33

159	Inhibition of lipoprotein-associated phospholipase A2 reduces complex coronary atherosclerotic plaque development. <i>Nature Medicine</i> , 2008 , 14, 1059-66	50.5	307
158	Protein geranylgeranyltransferase-I of <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2008 , 157, 32-43	1.9	14
157	Biochemistry and physiology of mammalian secreted phospholipases A2. <i>Annual Review of Biochemistry</i> , 2008 , 77, 495-520	29.1	403
156	Potent, Plasmodium-selective farnesyltransferase inhibitors that arrest the growth of malaria parasites: structure-activity relationships of ethylenediamine-analogue scaffolds and homology model validation. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 5176-97	8.3	32
155	Direct assay of enzymes in heme biosynthesis for the detection of porphyrias by tandem mass spectrometry. Uroporphyrinogen decarboxylase and coproporphyrinogen III oxidase. <i>Analytical Chemistry</i> , 2008 , 80, 2599-605	7.8	9
154	Direct assay of enzymes in heme biosynthesis for the detection of porphyrias by tandem mass spectrometry. Porphobilinogen deaminase. <i>Analytical Chemistry</i> , 2008 , 80, 2606-11	7.8	7
153	2-Oxotetrahydroquinoline-based antimalarials with high potency and metabolic stability. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 384-7	8.3	28
152	Tandem mass spectrometry for the direct assay of lysosomal enzymes in dried blood spots: application to screening newborns for mucopolysaccharidosis I. <i>Clinical Chemistry</i> , 2008 , 54, 2067-70	5.5	81
151	2-Oxo-tetrahydro-1,8-naphthyridines as selective inhibitors of malarial protein farnesyltransferase and as anti-malarials. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 494-7	2.9	44
150	Simplified YM-26734 inhibitors of secreted phospholipase A2 group IIA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 5415-9	2.9	16
149	Highly specific and broadly potent inhibitors of mammalian secreted phospholipases A2. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 4708-14	8.3	114
148	Second generation tetrahydroquinoline-based protein farnesyltransferase inhibitors as antimalarials. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 4585-605	8.3	57
147	Facile preparation of leukotrienes C(4), D(4) and E(4) containing carbon-13 and nitrogen-15 for quantification of cysteinyl leukotrienes by mass spectrometry. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007 , 50, 729-733	1.9	1
146	Drug discovery for malaria: a very challenging and timely endeavor. <i>Current Opinion in Chemical Biology</i> , 2007 , 11, 440-5	9.7	104
145	Resistance mutations at the lipid substrate binding site of Plasmodium falciparum protein farnesyltransferase. <i>Molecular and Biochemical Parasitology</i> , 2007 , 152, 66-71	1.9	24
144	C-terminal proteolysis of prenylated proteins in trypanosomatids and RNA interference of enzymes required for the post-translational processing pathway of farnesylated proteins. <i>Molecular and Biochemical Parasitology</i> , 2007 , 153, 115-24	1.9	19
143	Function, activity, and membrane targeting of cytosolic phospholipase A(2)zeta in mouse lung fibroblasts. <i>Journal of Biological Chemistry</i> , 2007 , 282, 11676-86	5.4	45
142	Secreted phospholipase A2 group X overexpression in asthma and bronchial hyperresponsiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 176, 1072-8	10.2	86

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