

Michael H Gelb

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/957209/publications.pdf>

Version: 2024-02-01

287
papers

23,630
citations

7551

77
h-index

9553

142
g-index

338
all docs

338
docs citations

338
times ranked

17761
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative analysis of complex protein mixtures using isotope-coded affinity tags. <i>Nature Biotechnology</i> , 1999, 17, 994-999.	9.4	4,673
2	Platelets release mitochondria serving as substrate for bactericidal group IIA-secreted phospholipase A2 to promote inflammation. <i>Blood</i> , 2014, 124, 2173-2183.	0.6	513
3	Biochemistry and Physiology of Mammalian Secreted Phospholipases A ₂ . <i>Annual Review of Biochemistry</i> , 2008, 77, 495-520.	5.0	491
4	Prelyl proteins in eukaryotic cells: a new type of membrane anchor. <i>Trends in Biochemical Sciences</i> , 1990, 15, 139-142.	3.7	471
5	Slow- and tight-binding inhibitors of the 85-kDa human phospholipase A2. <i>Biochemistry</i> , 1993, 32, 5935-5940.	1.2	438
6	Interfacial Enzymology: The Secreted Phospholipase A2-Paradigm. <i>Chemical Reviews</i> , 2001, 101, 2613-2654.	23.0	357
7	Inhibition of lipoprotein-associated phospholipase A2 reduces complex coronary atherosclerotic plaque development. <i>Nature Medicine</i> , 2008, 14, 1059-1066.	15.2	345
8	Direct Multiplex Assay of Lysosomal Enzymes in Dried Blood Spots for Newborn Screening. <i>Clinical Chemistry</i> , 2004, 50, 1785-1796.	1.5	313
9	Interfacial Kinetic and Binding Properties of the Complete Set of Human and Mouse Groups I, II, V, X, and XII Secreted Phospholipases A2. <i>Journal of Biological Chemistry</i> , 2002, 277, 48535-48549.	1.6	305
10	Translocation of the 85-kDa Phospholipase A2 from Cytosol to the Nuclear Envelope in Rat Basophilic Leukemia Cells Stimulated with Calcium Ionophore or IgE/Antigen. <i>Journal of Biological Chemistry</i> , 1995, 270, 15359-15367.	1.6	301
11	Blocking protein farnesyltransferase improves nuclear blebbing in mouse fibroblasts with a targeted Hutchinson-Gilford progeria syndrome mutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10291-10296.	3.3	274
12	Recent Developments in Drug Discovery for Leishmaniasis and Human African Trypanosomiasis. <i>Chemical Reviews</i> , 2014, 114, 11305-11347.	23.0	274
13	Blocking protein farnesyltransferase improves nuclear shape in fibroblasts from humans with progeroid syndromes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12873-12878.	3.3	254
14	Interfacial Enzymology of Glycerolipid Hydrolases: Lessons from Secreted Phospholipases A2. <i>Annual Review of Biochemistry</i> , 1995, 64, 653-688.	5.0	237
15	Bactericidal Properties of Human and Murine Groups I, II, V, X, and XII Secreted Phospholipases A2. <i>Journal of Biological Chemistry</i> , 2002, 277, 5849-5857.	1.6	214
16	Exogenously Added Human Group X Secreted Phospholipase A2 but Not the Group IB, IIA, and V Enzymes Efficiently Release Arachidonic Acid from Adherent Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 3179-3191.	1.6	202
17	Platelet microparticles are internalized in neutrophils via the concerted activity of 12-lipoxygenase and secreted phospholipase A ₂ -IIA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3564-73.	3.3	187
18	Importance of group X secreted phospholipase A2 in allergen-induced airway inflammation and remodeling in a mouse asthma model. <i>Journal of Experimental Medicine</i> , 2007, 204, 865-877.	4.2	184

#	ARTICLE	IF	CITATIONS
19	Inhibiting farnesylation reverses the nuclear morphology defect in a HeLa cell model for Hutchinson-Gilford progeria syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14416-14421.	3.3	181
20	Therapeutic intervention based on protein prenylation and associated modifications. <i>Nature Chemical Biology</i> , 2006, 2, 518-528.	3.9	176
21	Direct multiplex assay of enzymes in dried blood spots by tandem mass spectrometry for the newborn screening of lysosomal storage disorders. <i>Journal of Inherited Metabolic Disease</i> , 2006, 29, 397-404.	1.7	172
22	Protein Farnesyltransferase Inhibitors Exhibit Potent Antimalarial Activity. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3704-3713.	2.9	170
23	Groups IV, V, and X Phospholipases A2s in Human Neutrophils. <i>Journal of Biological Chemistry</i> , 2002, 277, 5061-5073.	1.6	164
24	On the Diversity of Secreted Phospholipases A2. <i>Journal of Biological Chemistry</i> , 1999, 274, 31195-31202.	1.6	163
25	Roles of Trp31 in High Membrane Binding and Proinflammatory Activity of Human Group V Phospholipase A2. <i>Journal of Biological Chemistry</i> , 1999, 274, 11881-11888.	1.6	162
26	Distinct Arachidonate-releasing Functions of Mammalian Secreted Phospholipase A2s in Human Embryonic Kidney 293 and Rat Mastocytoma RBL-2H3 Cells through Heparan Sulfate Shuttling and External Plasma Membrane Mechanisms. <i>Journal of Biological Chemistry</i> , 2001, 276, 10083-10096.	1.6	162
27	Novel Human Secreted Phospholipase A2 with Homology to the Group III Bee Venom Enzyme. <i>Journal of Biological Chemistry</i> , 2000, 275, 7492-7496.	1.6	161
28	Cloning and Recombinant Expression of a Structurally Novel Human Secreted Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2000, 275, 39823-39826.	1.6	150
29	Rational Modification of a Candidate Cancer Drug for Use Against Chagas Disease. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1639-1647.	2.9	150
30	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.	0.9	145
31	Arachidonic Acid Release from Mammalian Cells Transfected with Human Groups IIA and X Secreted Phospholipase A2 Occurs Predominantly during the Secretory Process and with the Involvement of Cytosolic Phospholipase A2-1 \pm . <i>Journal of Biological Chemistry</i> , 2004, 279, 25024-25038.	1.6	140
32	Activation of Cytokine Production by Secreted Phospholipase A2 in Human Lung Macrophages Expressing the M-Type Receptor. <i>Journal of Immunology</i> , 2005, 174, 464-474.	0.4	130
33	Pilot study of newborn screening for six lysosomal storage diseases using Tandem Mass Spectrometry. <i>Molecular Genetics and Metabolism</i> , 2016, 118, 304-309.	0.5	130
34	Protein farnesyl and N-myristoyl transferases: piggy-back medicinal chemistry targets for the development of antitrypanosomatid and antimalarial therapeutics. <i>Molecular and Biochemical Parasitology</i> , 2003, 126, 155-163.	0.5	126
35	Mammalian Protein Geranylgeranyltransferase-I: Substrate Specificity, Kinetic Mechanism, Metal Requirements, and Affinity Labeling. <i>Biochemistry</i> , 1995, 34, 1344-1354.	1.2	124
36	Highly Specific and Broadly Potent Inhibitors of Mammalian Secreted Phospholipases A ₂ . <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4708-4714.	2.9	123

#	ARTICLE	IF	CITATIONS
37	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, 1851-1868.	4.2	123
38	Mast cell maturation is driven via a group III phospholipase A2-prostaglandin D2- DP1 receptor paracrine axis. <i>Nature Immunology</i> , 2013, 14, 554-563.	7.0	122
39	Binding of prenylated and polybasic peptides to membranes: affinities and intervesicle exchange. <i>Biochemistry</i> , 1995, 34, 11910-11918.	1.2	120
40	Lymphoid tissue phospholipase A2 group IID resolves contact hypersensitivity by driving antiinflammatory lipid mediators. <i>Journal of Experimental Medicine</i> , 2013, 210, 1217-1234.	4.2	119
41	Docking Phospholipase A2 on Membranes Using Electrostatic Potential-Modulated Spin Relaxation Magnetic Resonance. <i>Science</i> , 1998, 279, 1925-1929.	6.0	118
42	The Antibacterial Properties of Secreted Phospholipases A2. <i>Journal of Biological Chemistry</i> , 2002, 277, 1788-1793.	1.6	118
43	Mapping the Interfacial Binding Surface of Human Secretory Group IIa Phospholipase A2. <i>Biochemistry</i> , 1997, 36, 14325-14333.	1.2	116
44	On the Binding Preference of Human Groups IIA and X Phospholipases A2 for Membranes with Anionic Phospholipids. <i>Journal of Biological Chemistry</i> , 2002, 277, 48523-48534.	1.6	116
45	Role of Charge Properties of Bacterial Envelope in Bactericidal Action of Human Group IIA Phospholipase A2 against <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 47636-47644.	1.6	113
46	Drug discovery for malaria: a very challenging and timely endeavor. <i>Current Opinion in Chemical Biology</i> , 2007, 11, 440-445.	2.8	112
47	Human nonpancreatic secreted phospholipase A2: interfacial parameters, substrate specificities, and competitive inhibitors. <i>Biochemistry</i> , 1993, 32, 573-582.	1.2	111
48	Cloning and Recombinant Expression of a Novel Mouse-secreted Phospholipase A2. <i>Journal of Biological Chemistry</i> , 1999, 274, 19152-19160.	1.6	110
49	The Adipocyte-Inducible Secreted Phospholipases PLA2G5 and PLA2G2E Play Distinct Roles in Obesity. <i>Cell Metabolism</i> , 2014, 20, 119-132.	7.2	110
50	Inhibition of phospholipase A 2. <i>FASEB Journal</i> , 1994, 8, 916-924.	0.2	106
51	Thematic review series: Lipid Posttranslational Modifications. Fighting parasitic disease by blocking protein farnesylation. <i>Journal of Lipid Research</i> , 2006, 47, 233-240.	2.0	104
52	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.	5.2	104
53	Quantification of Tight Binding to Surface-Immobilized Phospholipid Vesicles Using Surface Plasmon Resonance: Binding Constant of Phospholipase A2. <i>Journal of the American Chemical Society</i> , 2000, 122, 4177-4184.	6.6	100
54	Interfacial Enzymology of Parvovirus Phospholipases A2. <i>Journal of Biological Chemistry</i> , 2004, 279, 14502-14508.	1.6	98

#	ARTICLE	IF	CITATIONS
55	The First Potent Inhibitor of Mammalian Group X Secreted Phospholipase A2: Elucidation of Sites for Enhanced Binding. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2858-2860.	2.9	98
56	High-level expression in <i>Escherichia coli</i> and rapid purification of enzymatically active honey bee venom phospholipase A2. <i>Lipids and Lipid Metabolism</i> , 1992, 1165, 201-210.	2.6	97
57	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, 2067-2070.	1.5	97
58	Secreted Phospholipase A ₂ Group X Overexpression in Asthma and Bronchial Hyperresponsiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 176, 1072-1078.	2.5	96
59	Competitive inhibition of phospholipase A2 in vesicles. <i>Biochemistry</i> , 1989, 28, 4135-4139.	1.2	94
60	Interfacial catalysis by phospholipase A2: substrate specificity in vesicles. <i>Biochemistry</i> , 1991, 30, 7318-7329.	1.2	93
61	Conodipine-M, a Novel Phospholipase A2 Isolated from the Venom of the Marine Snail <i>Conus magus</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 3518-3526.	1.6	93
62	Cytosolic Phospholipase A ₂ Is Necessary for Platelet-activating Factor Biosynthesis, Efficient Neutrophil-mediated Bacterial Killing, and the Innate Immune Response to Pulmonary Infection. <i>Journal of Biological Chemistry</i> , 2005, 280, 7519-7529.	1.6	92
63	Localization of Structural Elements of Bee Venom Phospholipase A2 Involved in N-type Receptor Binding and Neurotoxicity. <i>Journal of Biological Chemistry</i> , 1997, 272, 7173-7181.	1.6	91
64	Newborn Screening for Lysosomal Storage Diseases. <i>Clinical Chemistry</i> , 2015, 61, 335-346.	1.5	89
65	Processive interfacial catalysis by mammalian 85-kilodalton phospholipase A2 enzymes on product-containing vesicles: Application to the determination of substrate preferences. <i>Biochemistry</i> , 1993, 32, 5949-5958.	1.2	88
66	A pyrrolidine-based specific inhibitor of cytosolic phospholipase A ₂ blocks arachidonic acid release in a variety of mammalian cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1513, 160-166.	1.4	88
67	Action of Human Group IIa Secreted Phospholipase A2 on Cell Membranes. <i>Journal of Biological Chemistry</i> , 1998, 273, 32142-32153.	1.6	86
68	Palmitoylation of Ha-Ras Facilitates Membrane Binding, Activation of Downstream Effectors, and Meiotic Maturation in <i>Xenopus</i> Oocytes. <i>Journal of Biological Chemistry</i> , 1996, 271, 11541-11547.	1.6	85
69	The effects of protein farnesyltransferase inhibitors on trypanosomatids: inhibition of protein farnesylation and cell growth. <i>Molecular and Biochemical Parasitology</i> , 1998, 94, 87-97.	0.5	85
70	The role of group IIF-secreted phospholipase A2 in epidermal homeostasis and hyperplasia. <i>Journal of Experimental Medicine</i> , 2015, 212, 1901-1919.	4.2	84
71	Protein prenylation: from discovery to prospects for cancer treatment. <i>Current Opinion in Chemical Biology</i> , 1998, 2, 40-48.	2.8	83
72	The Protein Farnesyltransferase Inhibitor Tipifarnib as a New Lead for the Development of Drugs against Chagas Disease. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 5415-5418.	2.9	83

#	ARTICLE	IF	CITATIONS
73	Repurposing strategies for tropical disease drug discovery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2569-2576.	1.0	83
74	Absolute Quantification of Specific Proteins in Complex Mixtures Using Visible Isotope-Coded Affinity Tags. <i>Analytical Chemistry</i> , 2004, 76, 4104-4111.	3.2	81
75	High-Throughput Assay of 9 Lysosomal Enzymes for Newborn Screening. <i>Clinical Chemistry</i> , 2013, 59, 502-511.	1.5	81
76	Kinetic and inhibition studies of phospholipase A2 with short-chain substrates and inhibitors. <i>Biochemistry</i> , 1990, 29, 6082-6094.	1.2	80
77	Differential Prenyl Pyrophosphate Binding to Mammalian Protein Geranylgeranyltransferase-I and Protein Farnesyltransferase and Its Consequence on the Specificity of Protein Prenylation. <i>Journal of Biological Chemistry</i> , 1997, 272, 3944-3952.	1.6	80
78	PARASITOLOGY: Enhanced: Drugs to Combat Tropical Protozoan Parasites. <i>Science</i> , 2002, 297, 343-344.	6.0	80
79	Tandem Mass Spectrometry for the Direct Assay of Enzymes in Dried Blood Spots: Application to Newborn Screening for Krabbe Disease. <i>Clinical Chemistry</i> , 2004, 50, 638-640.	1.5	79
80	Atherogenic properties of LDL particles modified by human group X secreted phospholipase A2 on human endothelial cell function. <i>FASEB Journal</i> , 2006, 20, 2547-2549.	0.2	79
81	Potential of Tumor Necrosis Factor α -induced Secreted Phospholipase A2 (sPLA2)-IIA Expression in Mesangial Cells by an Autocrine Loop Involving sPLA2 and Peroxisome Proliferator-activated Receptor α Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 29799-29812.	1.6	78
82	Trifluoromethyl ketones and methyl fluorophosphonates as inhibitors of group IV and VI phospholipases A2: structure-function studies with vesicle, micelle, and membrane assays This paper is dedicated to the memory of Prof. H.M. Verheij. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1420, 45-56.	1.4	73
83	Membrane-Bound Plasma Platelet Activating Factor Acetylhydrolase Acts on Substrate in the Aqueous Phase. <i>Biochemistry</i> , 1999, 38, 12935-12942.	1.2	73
84	Time-resolved fluoroimmunoassays of the complete set of secreted phospholipases A2 in human serum. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1733, 210-223.	1.2	73
85	Peptidomimetic inhibitors of protein farnesyltransferase show potent antimalarial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 761-764.	1.0	72
86	Cellular Arachidonate-releasing Function of Novel Classes of Secretory Phospholipase A2s (Groups III) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	71
87	Secretory phospholipase A2: A multifaceted family of proatherogenic enzymes. <i>Current Cardiology Reports</i> , 2009, 11, 445-451.	1.3	71
88	Phospholipases: An Overview. <i>Methods in Molecular Biology</i> , 2012, 861, 63-85.	0.4	70
89	Crystal Structure of Human Group X Secreted Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2002, 277, 29086-29093.	1.6	69
90	Identification of inhibitors for putative malaria drug targets among novel antimalarial compounds. <i>Molecular and Biochemical Parasitology</i> , 2011, 175, 21-29.	0.5	69

#	ARTICLE	IF	CITATIONS
91	Substituted 2-Phenylimidazopyridines: A New Class of Drug Leads for Human African Trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 828-835.	2.9	67
92	Consensus guidelines for newborn screening, diagnosis and treatment of infantile Krabbe disease. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 30.	1.2	67
93	Calcium-Dependent and -Independent Interfacial Binding and Catalysis of Cytosolic Group IV Phospholipase A2. <i>Biochemistry</i> , 1998, 37, 8516-8526.	1.2	66
94	Resistance to a Protein Farnesyltransferase Inhibitor in <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 13554-13559.	1.6	66
95	Second Generation Tetrahydroquinoline-Based Protein Farnesyltransferase Inhibitors as Antimalarials. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4585-4605.	2.9	66
96	Interfacial Catalysis by Human 85 kDa Cytosolic Phospholipase A2 on Anionic Vesicles in the Scooting Mode. <i>Biochemistry</i> , 1997, 36, 3216-3231.	1.2	65
97	Cloning and Recombinant Expression of Human Group IIF-Secreted Phospholipase A2. <i>Biochemical and Biophysical Research Communications</i> , 2000, 279, 223-228.	1.0	65
98	A class of sterol 14-demethylase inhibitors as anti- <i>Trypanosoma cruzi</i> agents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15149-15153.	3.3	65
99	Redundant and Segregated Functions of Granule-Associated Heparin-Binding Group II Subfamily of Secretory Phospholipases A2 in the Regulation of Degranulation and Prostaglandin D2 Synthesis in Mast Cells. <i>Journal of Immunology</i> , 2000, 165, 4007-4014.	0.4	64
100	A Tandem Mass Spectrometry Triplex Assay for the Detection of Fabry, Pompe, and Mucopolysaccharidosis-I (Hurler). <i>Clinical Chemistry</i> , 2010, 56, 1854-1861.	1.5	64
101	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.	1.1	64
102	Phosphorylation of cytosolic phospholipase A2 in platelets is mediated by multiple stress-activated protein kinase pathways. <i>FEBS Journal</i> , 1999, 265, 195-203.	0.2	63
103	Cellular Arachidonate-releasing Function and Inflammation-associated Expression of Group IIF Secretory Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2002, 277, 19145-19155.	1.6	63
104	Neurotoxicity and Other Pharmacological Activities of the Snake Venom Phospholipase A2 OS2: The N-Terminal Region Is More Important Than Enzymatic Activity. <i>Biochemistry</i> , 2006, 45, 5800-5816.	1.2	63
105	Intracellular Actions of Group IIA Secreted Phospholipase A2 and Group IVA Cytosolic Phospholipase A2 Contribute to Arachidonic Acid Release and Prostaglandin Production in Rat Gastric Mucosal Cells and Transfected Human Embryonic Kidney Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 16245-16255.	1.6	63
106	Lung mast cells are a source of secreted phospholipases A2. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 558-565.e3.	1.5	63
107	Interfacial Recognition by Bee Venom Phospholipase A2: Insights into Nonelectrostatic Molecular Determinants by Charge Reversal Mutagenesis. <i>Biochemistry</i> , 1998, 37, 6697-6710.	1.2	60
108	Tandem Mass Spectrometric Analysis of Dried Blood Spots for Screening of Mucopolysaccharidosis I in Newborns. <i>Clinical Chemistry</i> , 2005, 51, 898-900.	1.5	59

#	ARTICLE	IF	CITATIONS
109	Protein Farnesyltransferase from <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 26497-26505.	1.6	58
110	Sulfatide Analysis by Mass Spectrometry for Screening of Metachromatic Leukodystrophy in Dried Blood and Urine Samples. <i>Clinical Chemistry</i> , 2016, 62, 279-286.	1.5	58
111	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, 6.	1.2	58
112	The Farnesyl Group of H-Ras Facilitates the Activation of a Soluble Upstream Activator of Mitogen-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 1995, 270, 26347-26351.	1.6	57
113	Binding of the Delta Subunit to Rod Phosphodiesterase Catalytic Subunits Requires Methylated, Prenylated C-Termini of the Catalytic Subunits. <i>Biochemistry</i> , 2000, 39, 13516-13523.	1.2	57
114	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, 9587-9591.	3.2	57
115	Cloning, Heterologous Expression, and Distinct Substrate Specificity of Protein Farnesyltransferase from <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 21870-21876.	1.6	55
116	Dual Roles of Group IID Phospholipase A2 in Inflammation and Cancer. <i>Journal of Biological Chemistry</i> , 2016, 291, 15588-15601.	1.6	55
117	Direct Profiling of Multiple Enzyme Activities in Human Cell Lysates by Affinity Chromatography/Electrospray Ionization Mass Spectrometry: A Application to Clinical Enzymology. <i>Analytical Chemistry</i> , 2001, 73, 1651-1657.	3.2	53
118	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, 1363-1371.	1.5	53
119	Active Site of Bee Venom Phospholipase A2: The Role of Histidine-34, Aspartate-64 and Tyrosine-87. <i>Biochemistry</i> , 1996, 35, 4591-4601.	1.2	52
120	Do membrane-bound enzymes access their substrates from the membrane or aqueous phase: interfacial versus non-interfacial enzymes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1488, 20-27.	1.2	52
121	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, 494-497.	1.0	52
122	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, 1448-1455.	1.5	52
123	Inhibitory Effects of Surfactant Protein A on Surfactant Phospholipid Hydrolysis by Secreted Phospholipases A2. <i>Journal of Immunology</i> , 2003, 171, 995-1000.	0.4	51
124	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, 128-131.	1.5	51
125	Effect of Tryptophan Insertions on the Properties of the Human Group IIA Phospholipase A2: Mutagenesis Produces an Enzyme with Characteristics Similar to Those of the Human Group V Phospholipase A2. <i>Biochemistry</i> , 2003, 42, 7326-7338.	1.2	50
126	Inhibition of the complete set of mammalian secreted phospholipases A2 by indole analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 1737-1749.	1.4	50

#	ARTICLE	IF	CITATIONS
127	Eosinophil Cysteinyl Leukotriene Synthesis Mediated by Exogenous Secreted Phospholipase A2 Group X. <i>Journal of Biological Chemistry</i> , 2010, 285, 41491-41500.	1.6	50
128	Unusual Mode of Binding of Human Group IIA Secreted Phospholipase A2 to Anionic Interfaces as Studied by Continuous Wave and Time Domain Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Biological Chemistry</i> , 2002, 277, 30984-30990.	1.6	49
129	Design and Synthesis of Peptidomimetic Protein Farnesyltransferase Inhibitors as Anti-Trypanosoma brucei Agents. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 432-445.	2.9	49
130	Function, Activity, and Membrane Targeting of Cytosolic Phospholipase A2 β in Mouse Lung Fibroblasts*. <i>Journal of Biological Chemistry</i> , 2007, 282, 11676-11686.	1.6	49
131	Continuous, Vesicle-Based Fluorimetric Assays of 14- and 85-kDa Phospholipases A2. <i>Analytical Biochemistry</i> , 1995, 232, 7-23.	1.1	48
132	Role of Phosphorylation and Basic Residues in the Catalytic Domain of Cytosolic Phospholipase A2 β in Regulating Interfacial Kinetics and Binding and Cellular Function. <i>Journal of Biological Chemistry</i> , 2009, 284, 9596-9611.	1.6	48
133	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.	2.9	47
134	Interfacial Binding of Bee Venom Secreted Phospholipase A2 to Membranes Occurs Predominantly by a Nonelectrostatic Mechanism. <i>Biochemistry</i> , 2004, 43, 13293-13304.	1.2	46
135	Identification of the Expressed Form of Human Cytosolic Phospholipase A2 β (cPLA2 β). <i>Journal of Biological Chemistry</i> , 2006, 281, 16615-16624.	1.6	46
136	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.	1.5	46
137	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, 23.	1.2	46
138	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.	0.9	46
139	Basic residues of human group IIA phospholipase A2 are important for binding to factor Xa and prothrombinase inhibition. <i>FEBS Journal</i> , 2000, 267, 4960-4969.	0.2	45
140	In vitro and in vivo antimalarial activity of peptidomimetic protein farnesyltransferase inhibitors with improved membrane permeability. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 6517-6526.	1.4	45
141	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, 1152-1156.	3.2	44
142	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, 1270-1273.	0.5	44
143	Analysis of expression of secreted phospholipases A2 in mouse tissues at protein and mRNA levels. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 745-756.	1.2	43
144	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, 28049-28055.	1.6	43

#	ARTICLE	IF	CITATIONS
145	A prenylated protein-specific endoprotease in rat liver microsomes that produces a carboxyl-terminal tripeptide. <i>Biochemistry</i> , 1993, 32, 9500-9507.	1.2	42
146	Regulation and Function of Epithelial Secreted Phospholipase A ₂ Group X in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 42-50.	2.5	41
147	Efficacy, Pharmacokinetics, and Metabolism of Tetrahydroquinoline Inhibitors of <i>Plasmodium falciparum</i> Protein Farnesyltransferase. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3659-3671.	1.4	40
148	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, 4822-4828.	3.2	40
149	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.	1.2	40
150	Prenylation of proteins in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1997, 87, 61-69.	0.5	39
151	Stress stimuli increase calcium-induced arachidonic acid release through phosphorylation of cytosolic phospholipase A2. <i>Biochemical Journal</i> , 1999, 344, 359-366.	1.7	39
152	A Designed Probe for Acidic Phospholipids Reveals the Unique Enriched Anionic Character of the Cytosolic Face of the Mammalian Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2004, 279, 21833-21840.	1.6	39
153	The critical role of psychosine in screening, diagnosis, and monitoring of Krabbe disease. <i>Genetics in Medicine</i> , 2020, 22, 1108-1118.	1.1	39
154	Macrophages Expressing GALC Improve Peripheral Krabbe Disease by a Mechanism Independent of Cross-Correction. <i>Neuron</i> , 2020, 107, 65-81.e9.	3.8	39
155	Structurally Simple Inhibitors of Lanosterol 14 α -Demethylase Are Efficacious In a Rodent Model of Acute Chagas Disease. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3703-3715.	2.9	38
156	Group X Secretory Phospholipase A ₂ Negatively Regulates ABCA1 and ABCG1 Expression and Cholesterol Efflux in Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2014-2021.	1.1	38
157	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, 1.	1.2	38
158	Structurally Simple Farnesyltransferase Inhibitors Arrest the Growth of Malaria Parasites. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4903-4906.	7.2	37
159	Characterization of Group X Phospholipase A2 as the Major Enzyme Secreted by Human Keratinocytes and its Regulation by the Phorbol Ester TPA. <i>Journal of Investigative Dermatology</i> , 2001, 116, 31-39.	0.3	36
160	Biochemical and Physiological Properties of Rhodopsin Regenerated with 11-cis-6-Ring- and 7-Ring-retinals. <i>Journal of Biological Chemistry</i> , 2002, 277, 42315-42324.	1.6	36
161	Structurally Simple, Potent, Plasmodium Selective Farnesyltransferase Inhibitors That Arrest the Growth of Malaria Parasites. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5710-5727.	2.9	36
162	sPLA2 and the epidermal barrier. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 416-421.	1.2	36

#	ARTICLE	IF	CITATIONS
163	Improved Reagents for Newborn Screening of Mucopolysaccharidosis Types I, II, and VI by Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 4508-4514.	3.2	36
164	Inhibition of secreted phospholipases A2 by 2-oxoamides based on α -amino acids: Synthesis, in vitro evaluation and molecular docking calculations. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 735-743.	1.4	35
165	Ammodytoxins, Potent Presynaptic Neurotoxins, Are Also Highly Efficient Phospholipase A2 Enzymes. <i>Biochemistry</i> , 2005, 44, 12535-12545.	1.2	34
166	Characterization and Differentiation-dependent Regulation of Secreted Phospholipases A2 in Human Keratinocytes and in Healthy and Psoriatic Human Skin. <i>Journal of Investigative Dermatology</i> , 2005, 124, 204-211.	0.3	33
167	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, 5176-5197.	2.9	33
168	Protein farnesyl transferase inhibitors for the treatment of malaria and African trypanosomiasis. <i>Current Opinion in Investigational Drugs</i> , 2005, 6, 791-7.	2.3	33
169	Protein prenyltransferases. <i>Biochemical Society Transactions</i> , 1992, 20, 489-494.	1.6	32
170	A disubstituted NAD ⁺ analogue is a nanomolar inhibitor of trypanosomal glyceraldehyde-3-phosphate dehydrogenase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 95-98.	1.0	32
171	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, 36509-36521.	1.6	32
172	Newborn Screening for Mucopolysaccharidoses: Results of a Pilot Study with 100,000 Dried Blood Spots. <i>Journal of Pediatrics</i> , 2020, 216, 204-207.	0.9	32
173	Geranylgeranylated proteins. <i>Biochemical Society Transactions</i> , 1992, 20, 479-484.	1.6	31
174	Competitive inhibition of interfacial catalysis by phospholipase A2: differential interaction of inhibitors with the vesicle interface as a controlling factor of inhibitor potency. <i>Journal of the American Chemical Society</i> , 1993, 115, 3932-3942.	6.6	31
175	Replacement of the H-Ras Farnesyl Group by Lipid Analogues: Implications for Downstream Processing and Effector Activation in <i>Xenopus Oocytes</i> . <i>Biochemistry</i> , 1997, 36, 12434-12441.	1.2	31
176	TcRho1, a Farnesylated Rho Family Homologue from <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 29711-29718.	1.6	31
177	Structural Basis for Binding and Selectivity of Antimalarial and Anticancer Ethylenediamine Inhibitors to Protein Farnesyltransferase. <i>Chemistry and Biology</i> , 2009, 16, 181-192.	6.2	31
178	Matrix Metalloproteinase-2 Negatively Regulates Cardiac Secreted Phospholipase A ₂ to Modulate Inflammation and Fever. <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	31
179	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.	1.1	31
180	A novel form of rhodopsin kinase from chicken retina and pineal gland. <i>FEBS Letters</i> , 1999, 454, 115-121.	1.3	30

#	ARTICLE	IF	CITATIONS
181	Antibacterial effects of human group IIA and group XIIA phospholipase A2 against <i>Helicobacter pylori</i> in vitro. <i>Apmis</i> , 2006, 114, 127-130.	0.9	30
182	Differentiation-Dependent Regulation of Secreted Phospholipases A2 in Murine Epidermis. <i>Journal of Investigative Dermatology</i> , 2003, 121, 156-164.	0.3	29
183	Mass Spectrometry but Not Fluorimetry Distinguishes Affected and Pseudodeficiency Patients in Newborn Screening for Pompe Disease. <i>Clinical Chemistry</i> , 2017, 63, 1271-1277.	1.5	29
184	Secreted PLA2 group X orchestrates innate and adaptive immune responses to inhaled allergen. <i>JCI Insight</i> , 2017, 2, .	2.3	29
185	The $\hat{\Gamma}$ Subunit of Type 6 Phosphodiesterase Reduces Light-induced cGMP Hydrolysis in Rod Outer Segments. <i>Journal of Biological Chemistry</i> , 2001, 276, 5248-5255.	1.6	28
186	Isothiazole dioxides: synthesis and inhibition of <i>Trypanosoma brucei</i> protein farnesyltransferase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2217-2220.	1.0	28
187	Resistance mutations at the lipid substrate binding site of <i>Plasmodium falciparum</i> protein farnesyltransferase. <i>Molecular and Biochemical Parasitology</i> , 2007, 152, 66-71.	0.5	28
188	2-Oxotetrahydroquinoline-Based Antimalarials with High Potency and Metabolic Stability. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 384-387.	2.9	28
189	Expression of phospholipases A2 in primary human lung macrophages. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 92-102.	1.2	28
190	Identification of Epithelial Phospholipase A ₂ Receptor 1 as a Potential Target in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 825-836.	1.4	28
191	5-Fluoroimidazo[4,5- <i>b</i>]pyridine Is a Privileged Fragment That Conveys Bioavailability to Potent <i>Trypanosomal</i> Methionyl-tRNA Synthetase Inhibitors. <i>ACS Infectious Diseases</i> , 2016, 2, 399-404.	1.8	28
192	Secreted Phospholipase A2 Inhibitors Are Also Potent Blockers of Binding to the M-Type Receptor. <i>Biochemistry</i> , 2006, 45, 13203-13218.	1.2	27
193	1-Benzyl-3-aryl-2-thiohydantoin Derivatives as New Anti- <i>Trypanosoma brucei</i> Agents: SAR and in Vivo Efficacy. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 886-891.	1.3	27
194	The interaction of secreted phospholipase A2-IIA with the microbiota alters its lipidome and promotes inflammation. <i>JCI Insight</i> , 2022, 7, .	2.3	26
195	Design and Synthesis of Substrate and Internal Standard Conjugates for Profiling Enzyme Activity in the Sanfilippo Syndrome by Affinity Chromatography/Electrospray Ionization Mass Spectrometry. <i>Bioconjugate Chemistry</i> , 2001, 12, 603-615.	1.8	25
196	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, 115-124.	0.5	25
197	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.	0.5	25
198	Expression and Function of Group IIE Phospholipase A2 in Mouse Skin. <i>Journal of Biological Chemistry</i> , 2016, 291, 15602-15613.	1.6	25

#	ARTICLE	IF	CITATIONS
199	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.	1.2	25
200	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.	1.1	25
201	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.	1.5	24
202	Multiplex Lysosomal Enzyme Activity Assay on Dried Blood Spots Using Tandem Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2010, 603, 339-350.	0.4	24
203	Assaying Phospholipase A ₂ Activity. , 2004, 284, 229-242.		23
204	Kinetic Evaluation of Cell Membrane Hydrolysis during Apoptosis by Human Isoforms of Secretory Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2010, 285, 10993-11002.	1.6	23
205	New Substrates and Enzyme Assays for the Detection of Mucopolysaccharidosis III (Sanfilippo) Tj ETQq1 1 0.784314.rgBT /Overlock 10 1.8		23
206	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, 1683-1695.	1.4	23
207	Polymer-Assisted Solution-Phase Synthesis of 2'-Amido-2'-deoxyadenosine Derivatives Targeted at the NAD ⁺ -Binding Sites of Parasite Enzymes. <i>ACS Combinatorial Science</i> , 2000, 2, 537-544.	3.3	22
208	Quantification of Cellular Acid Sphingomyelinase and Galactocerebroside β -Galactosidase Activities by Electrospray Ionization Mass Spectrometry. <i>Clinical Chemistry</i> , 2001, 47, 874-881.	1.5	22
209	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.	1.6	22
210	Newborn screening for Krabbe's disease. <i>Journal of Neuroscience Research</i> , 2016, 94, 1063-1075.	1.3	22
211	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.	1.5	22
212	Substrate Specificity of Mammalian Prenyl Protein-Specific Endoprotease Activity. <i>Biochemistry</i> , 1998, 37, 4473-4481.	1.2	21
213	An alternate preparation of thioester resin linkers for solid-phase synthesis of peptide C-terminal thioacids. <i>Tetrahedron Letters</i> , 2000, 41, 2797-2800.	0.7	21
214	Lack of group X secreted phospholipase A2 increases survival following pandemic H1N1 influenza infection. <i>Virology</i> , 2014, 454-455, 78-92.	1.1	21
215	New Class of Antitrypanosomal Agents Based on Imidazopyridines. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 766-770.	1.3	21
216	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.	1.1	21

#	ARTICLE	IF	CITATIONS
217	Assay of phospholipases A2 and their inhibitors by kinetic analysis in the scooting mode. Mediators of Inflammation, 1992, 1, 85-100.	1.4	20
218	Affinity Capture and Elution/Electrospray Ionization Mass Spectrometry Assay of Phosphomannomutase and Phosphomannose Isomerase for the Multiplex Analysis of Congenital Disorders of Glycosylation Types Ia and Ib. Analytical Chemistry, 2003, 75, 42-48.	3.2	20
219	Lymphocyte Galactocerebrosidase Activity by LC-MS/MS for Postnatal Newborn Screening Evaluation of Krabbe Disease. Clinical Chemistry, 2017, 63, 1363-1369.	1.5	20
220	Respective contribution of cytosolic phospholipase A2 and secreted phospholipase A2 IIA to inflammation and eicosanoid production in arthritis. Prostaglandins and Other Lipid Mediators, 2019, 143, 106340.	1.0	20
221	The proinflammatory mediator Platelet Activating Factor is an effective substrate for human group X secreted phospholipase A2. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 1093-1099.	1.2	19
222	Simplified YM-26734 inhibitors of secreted phospholipase A2 group IIA. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5415-5419.	1.0	19
223	Newborn Screening for Lysosomal Storage Disorders: Quo Vadis?. Clinical Chemistry, 2016, 62, 1430-1438.	1.5	19
224	Function of secreted phospholipase A2 group-X in asthma and allergic disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 827-837.	1.2	19
225	Triazolopyrimidines and Imidazopyridines: Structure-Activity Relationships and in Vivo Efficacy for Trypanosomiasis. ACS Medicinal Chemistry Letters, 2019, 10, 105-110.	1.3	19
226	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. Analytical Chemistry, 2014, 86, 7962-7968.	3.2	18
227	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. Genetics in Medicine, 2020, 22, 1262-1268.	1.1	18
228	Isoquinoline-based analogs of the cancer drug clinical candidate tipifarnib as anti-Trypanosoma cruzi agents. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6582-6584.	1.0	17
229	Specific Substrate for the Assay of Lysosomal Acid Lipase. Clinical Chemistry, 2018, 64, 690-696.	1.5	17
230	Leukocyte and Dried Blood Spot Arylsulfatase A Assay by Tandem Mass Spectrometry. Analytical Chemistry, 2020, 92, 6341-6348.	3.2	17
231	The future of newborn screening for lysosomal disorders. Neuroscience Letters, 2021, 760, 136080.	1.0	17
232	Structure of the Complex of Bovine Pancreatic Phospholipase A2 with a Transition-State Analogue. Acta Crystallographica Section D: Biological Crystallography, 1998, 54, 334-341.	2.5	16
233	Characterization of Interfacial Catalysis by Aeromonas Hydrophila Lipase/Acyltransferase in the Highly Processive Scooting Mode. Biochemistry, 1994, 33, 5011-5020.	1.2	15
234	Protonation sites and dissociation mechanisms of <i>N</i> -butylcarbamates in tandem mass spectrometric assays for newborn screening. Journal of Mass Spectrometry, 2011, 46, 1089-1098.	0.7	15

#	ARTICLE	IF	CITATIONS
235	Biochemical Characterization of Selective Inhibitors of Human Group IIA Secreted Phospholipase A ₂ and Hyaluronic Acid-Linked Inhibitor Conjugates. <i>Biochemistry</i> , 2012, 51, 8617-8626.	1.2	15
236	A Low-barrier Hydrogen Bond Between Histidine of Secreted Phospholipase A2 and a Transition State Analog Inhibitor. <i>Journal of Molecular Biology</i> , 2003, 329, 997-1009.	2.0	14
237	Protein geranylgeranyltransferase-I of <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2008, 157, 32-43.	0.5	14
238	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.	0.5	14
239	Dataset and standard operating procedure for newborn screening of six lysosomal storage diseases: By tandem mass spectrometry. <i>Data in Brief</i> , 2016, 8, 915-924.	0.5	13
240	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.	0.5	13
241	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.	3.2	13
242	The farnesyl group activates Ras toward guanine nucleotide exchange catalyzed by the SOS protein. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 145-150.	1.0	12
243	Direct Assay of Enzymes in Heme Biosynthesis for the Detection of Porphyrrias by Tandem Mass Spectrometry. Uroporphyrinogen Decarboxylase and Coproporphyrinogen III Oxidase. <i>Analytical Chemistry</i> , 2008, 80, 2599-2605.	3.2	12
244	Reliable Assay of Acid Sphingomyelinase Deficiency with the Mutation Q292K by Tandem Mass Spectrometry. <i>Clinical Chemistry</i> , 2015, 61, 771-772.	1.5	12
245	Tandem mass spectrometry-based multiplex assays for α -mannosidosis and fucosidosis. <i>Molecular Genetics and Metabolism</i> , 2019, 127, 207-211.	0.5	12
246	Bioactivity of Farnesyltransferase Inhibitors Against <i>Entamoeba histolytica</i> and <i>Schistosoma mansoni</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 180.	1.8	12
247	Coronavirus-specific antibody production in middle-aged mice requires phospholipase A2G2D. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	12
248	Evaluation of Two Methods for Quantification of Glycosaminoglycan Biomarkers in Newborn Dried Blood Spots from Patients with Severe and Attenuated Mucopolysaccharidosis Type II. <i>International Journal of Neonatal Screening</i> , 2022, 8, 9.	1.2	12
249	Short synthetic sequence for 2-sulfation of α -L-iduronate glycosides. <i>Carbohydrate Research</i> , 2009, 344, 1032-1033.	1.1	11
250	Dialkylimidazole inhibitors of <i>Trypanosoma cruzi</i> sterol 14 α -demethylase as anti-Chagas disease agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6492-6499.	1.0	11
251	Basic amino acid residues in the α -structure region contribute, but not critically, to presynaptic neurotoxicity of ammodytotoxin A. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1702, 217-225.	1.1	10
252	<i>In Vitro</i> Anti- <i>Plasmodium falciparum</i> Properties of the Full Set of Human Secreted Phospholipases A ₂ . <i>Infection and Immunity</i> , 2015, 83, 2453-2465.	1.0	10

#	ARTICLE	IF	CITATIONS
253	Off-target effect of the cPLA2 α inhibitor pyrrophenone: Inhibition of calcium release from the endoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 61-66.	1.0	10
254	Comparison of tandem mass spectrometry to fluorimetry for newborn screening of LSDs. <i>Molecular Genetics and Metabolism Reports</i> , 2017, 12, 80-81.	0.4	10
255	Regulation of calcium release from the endoplasmic reticulum by the serine hydrolase ABHD2. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 1226-1231.	1.0	10
256	Discovery of N-(2-aminoethyl)-N-benzyloxyphenyl benzamides: New potent <i>Trypanosoma brucei</i> inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1571-1584.	1.4	10
257	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.	0.5	10
258	Direct Assay of Enzymes in Heme Biosynthesis for the Detection of Porphyrins by Tandem Mass Spectrometry. Porphobilinogen Deaminase. <i>Analytical Chemistry</i> , 2008, 80, 2606-2611.	3.2	9
259	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, 125-128.	0.5	9
260	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, 17.	1.2	9
261	Secreted Phospholipase A2 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.	0.4	9
262	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, 29.	1.2	9
263	Detection of GM1 β 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.	1.7	8
264	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.	3.2	7
265	Phenotypic Drug Discovery for Human African Trypanosomiasis: A Powerful Approach. <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 23.	0.9	6
266	Exploring the specificity of prenyl protein-specific methyltransferase with synthetic prenylated rab peptides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 881-886.	1.0	5
267	Comparison of the antibody response to bee venom phospholipase A2 induced by natural exposure in humans or by immunization in mice. <i>Journal of Immunology</i> , 1997, 10, 93-100.		5
268	Unusual Four-Bond Secondary H/D Isotope Effect Supports a Short-Strong Hydrogen Bond between Phospholipase A2 and a Transition State Analogue Inhibitor. <i>Biochemistry</i> , 2005, 44, 4748-4754.	1.2	5
269	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.	0.5	5
270	An Inexpensive, In-House-Made, Microdialysis Device for Measuring Drug-Protein Binding. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 279-282.	1.3	5

#	ARTICLE	IF	CITATIONS
271	Absolute Amounts of Analytes: When Gravimetric Methods Are Insufficient. <i>Clinical Chemistry</i> , 2018, 64, 1430-1432.	1.5	5
272	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.	1.3	5
273	Direct Assay of δ^2 -Aminolevulinic Acid Dehydratase in Heme Biosynthesis for the Detection of Porphyrins by Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 6730-6736.	3.2	4
274	Family Attitudes regarding Newborn Screening for Krabbe Disease: Results from a Survey of Leukodystrophy Registries. <i>International Journal of Neonatal Screening</i> , 2020, 6, 66.	1.2	4
275	A Simple and Inexpensive Device for Removal of Solvent from a Large Collection of Sample Tubes. <i>ACS Combinatorial Science</i> , 2006, 8, 15-17.	3.3	3
276	Fluorometric High-Throughput Screening Assay for Secreted Phospholipases A2 Using Phospholipid Vesicles. <i>Journal of Biomolecular Screening</i> , 2016, 21, 713-721.	2.6	3
277	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.	0.5	3
278	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.	0.9	3
279	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.	1.1	3
280	A rapid and non-invasive proteomic analysis using DBS and buccal swab for multiplexed second-tier screening of Pompe disease and Mucopolysaccharidosis type I. <i>Molecular Genetics and Metabolism</i> , 2022, 136, 296-305.	0.5	3
281	Facile preparation of leukotrienes C4, D4 and E4 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.	0.5	2
282	Critical challenges and emerging paradigms in drug discovery. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 437-439.	2.8	2
283	Validation of Liquid Chromatography-Tandem Mass Spectrometry-Based 5-Plex Assay for Mucopolysaccharidoses. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2025.	1.8	2
284	Zoltan Lukacs Passed Away. <i>International Journal of Neonatal Screening</i> , 2020, 6, 86.	1.2	1
285	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.	1.8	1
286	Platelet phospholipases A2. , 2002, , 221-237.		1
287	The Role of Phospholipases A2 in Eicosanoid Generation and Airway Inflammation. <i>FASEB Journal</i> , 2007, 21, A209.	0.2	0