

Edward A Dennis

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341 papers	30,025 citations	87 h-index	164 g-index
368 ext. papers	33,009 ext. citations	6.8 avg, IF	7.26 L-index

#	Paper	IF	Citations
341	A comprehensive classification system for lipids. <i>Journal of Lipid Research</i> , 2005 , 46, 839-61	6.3	1060
340	The expanding superfamily of phospholipase A(2) enzymes: classification and characterization. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000 , 1488, 1-19	5	1033
339	Update of the LIPID MAPS comprehensive classification system for lipids. <i>Journal of Lipid Research</i> , 2009 , 50 Suppl, S9-14	6.3	988
338	Lipidomics reveals a remarkable diversity of lipids in human plasma. <i>Journal of Lipid Research</i> , 2010 , 51, 3299-305	6.3	873
337	Eicosanoid storm in infection and inflammation. <i>Nature Reviews Immunology</i> , 2015 , 15, 511-23	36.5	753
336	The growing phospholipase A2 superfamily of signal transduction enzymes. <i>Trends in Biochemical Sciences</i> , 1997 , 22, 1-2	10.3	719
335	LMSD: LIPID MAPS structure database. <i>Nucleic Acids Research</i> , 2007 , 35, D527-32	20.1	709
334	Phospholipase A2 enzymes: physical structure, biological function, disease implication, chemical inhibition, and therapeutic intervention. <i>Chemical Reviews</i> , 2011 , 111, 6130-85	68.1	701
333	The phospholipase A2 superfamily and its group numbering system. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006 , 1761, 1246-59	5	647
332	Phospholipase A2 structure/function, mechanism, and signaling. <i>Journal of Lipid Research</i> , 2009 , 50 Suppl, S237-42	6.3	612
331	Solubilization of phospholipids by detergents. Structural and kinetic aspects. <i>BBA - Biomembranes</i> , 1983 , 737, 285-304		567
330	Regulation and inhibition of phospholipase A2. <i>Annual Review of Pharmacology and Toxicology</i> , 1999 , 39, 175-89	17.9	518
329	Role of phospholipase in generating lipid second messengers in signal transduction. <i>FASEB Journal</i> , 1991 , 5, 2068-77	0.9	501
328	Monoclonal autoantibodies specific for oxidized phospholipids or oxidized phospholipid-protein adducts inhibit macrophage uptake of oxidized low-density lipoproteins. <i>Journal of Clinical Investigation</i> , 1999 , 103, 117-28	15.9	429
327	Monoclonal antibodies against oxidized low-density lipoprotein bind to apoptotic cells and inhibit their phagocytosis by elicited macrophages: evidence that oxidation-specific epitopes mediate macrophage recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 6258-63	11.5	395
326	Thematic Review Series: Proteomics. An integrated omics analysis of eicosanoid biology. <i>Journal of Lipid Research</i> , 2009 , 50, 1015-38	6.3	375
325	Regulated accumulation of desmosterol integrates macrophage lipid metabolism and inflammatory responses. <i>Cell</i> , 2012 , 151, 138-52	56.2	373

324	Phospholipase A(2) regulation of arachidonic acid mobilization. <i>FEBS Letters</i> , 2002 , 531, 2-6	3.8	358
323	The size, shape, and hydration of nonionic surfactant micelles. Triton X-100. <i>The Journal of Physical Chemistry</i> , 1977 , 81, 1075-1078		355
322	Inhibition of macrophage Ca(2+)-independent phospholipase A2 by bromoenol lactone and trifluoromethyl ketones. <i>Journal of Biological Chemistry</i> , 1995 , 270, 445-50	5.4	327
321	Evolutionary relationships and implications for the regulation of phospholipase A2 from snake venom to human secreted forms. <i>Journal of Molecular Evolution</i> , 1990 , 31, 228-38	3.1	299
320	Distinct roles in signal transduction for each of the phospholipase A2 enzymes present in P388D1 macrophages. <i>Journal of Biological Chemistry</i> , 1996 , 271, 6758-65	5.4	284
319	The human plasma lipidome. <i>New England Journal of Medicine</i> , 2011 , 365, 1812-23	59.2	275
318	Function and inhibition of intracellular calcium-independent phospholipase A2. <i>Journal of Biological Chemistry</i> , 1997 , 272, 16069-72	5.4	258
317	Inhibition of calcium-independent phospholipase A2 prevents arachidonic acid incorporation and phospholipid remodeling in P388D1 macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 8527-31	11.5	254
316	Phospholipase A2 biochemistry. <i>Cardiovascular Drugs and Therapy</i> , 2009 , 23, 49-59	3.9	249
315	Lipid signaling enzymes and surface dilution kinetics. <i>Journal of Biological Chemistry</i> , 1995 , 270, 18711-4	5.4	241
314	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950-Metabolites in Frozen Human Plasma. <i>Journal of Lipid Research</i> , 2017 , 58, 2275-2288	6.3	220
313	Scavenger receptors, oxidized LDL, and atherosclerosis. <i>Annals of the New York Academy of Sciences</i> , 2001 , 947, 214-22; discussion 222-3	6.5	220
312	Novel group V phospholipase A2 involved in arachidonic acid mobilization in murine P388D1 macrophages. <i>Journal of Biological Chemistry</i> , 1996 , 271, 32381-4	5.4	211
311	A mouse macrophage lipidome. <i>Journal of Biological Chemistry</i> , 2010 , 285, 39976-85	5.4	210
310	Acyl and phosphoryl migration in lysophospholipids: importance in phospholipid synthesis and phospholipase specificity. <i>Biochemistry</i> , 1982 , 21, 1743-50	3.2	210
309	Calcium-independent phospholipase A(2): structure and function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000 , 1488, 28-39	5	200
308	Biomarkers of NAFLD progression: a lipidomics approach to an epidemic. <i>Journal of Lipid Research</i> , 2015 , 56, 722-736	6.3	193
307	Antisense inhibition of group VI Ca2+-independent phospholipase A2 blocks phospholipid fatty acid remodeling in murine P388D1 macrophages. <i>Journal of Biological Chemistry</i> , 1997 , 272, 29317-21	5.4	185

306	Irreversible inhibition of Ca(2+)-independent phospholipase A2 by methyl arachidonyl fluorophosphonate. <i>Lipids and Lipid Metabolism</i> , 1996 , 1302, 55-60		183
305	Bromoenol lactone inhibits magnesium-dependent phosphatidate phosphohydrolase and blocks triacylglycerol biosynthesis in mouse P388D1 macrophages. <i>Journal of Biological Chemistry</i> , 1996 , 271, 31937-41	5.4	176
304	9 Phospholipases. <i>The Enzymes</i> , 1983 , 16, 307-353	2.3	175
303	Lipidomic profiling of influenza infection identifies mediators that induce and resolve inflammation. <i>Cell</i> , 2013 , 154, 213-27	56.2	174
302	Kdo2-Lipid A of Escherichia coli, a defined endotoxin that activates macrophages via TLR-4. <i>Journal of Lipid Research</i> , 2006 , 47, 1097-111	6.3	173
301	Kinetic dependence of phospholipase A2 activity on the detergent Triton X-100. <i>Journal of Lipid Research</i> , 1973 , 14, 152-159	6.3	173
300	Functional coupling between secretory phospholipase A2 and cyclooxygenase-2 and its regulation by cytosolic group IV phospholipase A2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 7951-6	11.5	171
299	Intracellular sites of lipid synthesis and the biogenesis of mitochondria. <i>Journal of Lipid Research</i> , 1972 , 13, 263-267	6.3	162
298	Phospholipase A2 activity towards phosphatidylcholine in mixed micelles: surface dilution kinetics and the effect of thermotropic phase transitions. <i>Archives of Biochemistry and Biophysics</i> , 1973 , 158, 485-493	4.1	161
297	Correlation of antiphospholipid antibody recognition with the structure of synthetic oxidized phospholipids. Importance of Schiff base formation and aldol condensation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 7010-20	5.4	158
296	Interfacial properties and critical micelle concentration of lysophospholipids. <i>Biochemistry</i> , 1989 , 28, 5113-20	3.2	157
295	Subcellular organelle lipidomics in TLR-4-activated macrophages. <i>Journal of Lipid Research</i> , 2010 , 51, 2785-97	6.3	156
294	High sensitivity quantitative lipidomics analysis of fatty acids in biological samples by gas chromatography-mass spectrometry. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 648-56	5	151
293	Applications of mass spectrometry to lipids and membranes. <i>Annual Review of Biochemistry</i> , 2011 , 80, 301-25	29.1	150
292	Group IV cytosolic phospholipase A2 binds with high affinity and specificity to phosphatidylinositol 4,5-bisphosphate resulting in dramatic increases in activity. <i>Journal of Biological Chemistry</i> , 1998 , 273, 2184-91	5.4	149
291	MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines. <i>Journal of Lipid Research</i> , 2018 , 59, 2001-2017	6.3	146
290	The binding of oxidized low density lipoprotein to mouse CD36 is mediated in part by oxidized phospholipids that are associated with both the lipid and protein moieties of the lipoprotein. <i>Journal of Biological Chemistry</i> , 2000 , 275, 9163-9	5.4	145
289	Group-specific assays that distinguish between the four major types of mammalian phospholipase A2. <i>Analytical Biochemistry</i> , 1999 , 269, 278-88	3.1	137

288	Regulation of delayed prostaglandin production in activated P388D1 macrophages by group IV cytosolic and group V secretory phospholipase A2s. <i>Journal of Biological Chemistry</i> , 1999 , 274, 12263-8	5.4	136
287	Chemical Protein Synthesis by Solid Phase Ligation of Unprotected Peptide Segments. <i>Journal of the American Chemical Society</i> , 1999 , 121, 8720-8727	16.4	135
286	Metal ion and salt effects on the phospholipase A2, lysophospholipase, and transacylase activities of human cytosolic phospholipase A2. <i>Lipids and Lipid Metabolism</i> , 1993 , 1167, 272-80		135
285	Detection and quantitation of eicosanoids via high performance liquid chromatography-electrospray ionization-mass spectrometry. <i>Methods in Enzymology</i> , 2007 , 432, 59-82	1.7	134
284	In vivo phospholipase activity of the <i>Pseudomonas aeruginosa</i> cytotoxin ExoU and protection of mammalian cells with phospholipase A2 inhibitors. <i>Journal of Biological Chemistry</i> , 2003 , 278, 41326-32	5.4	134
283	Identity between the Ca ²⁺ -independent phospholipase A2 enzymes from P388D1 macrophages and Chinese hamster ovary cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 8576-80	5.4	131
282	Determinants of binding of oxidized phospholipids on apolipoprotein (a) and lipoprotein (a). <i>Journal of Lipid Research</i> , 2013 , 54, 2815-30	6.3	127
281	Omega-3 fatty acids cause dramatic changes in TLR4 and purinergic eicosanoid signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8517-22	11.5	125
280	Lipidomics joins the omics evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2089-90	11.5	121
279	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
278	Polyunsaturated fatty acid metabolites as novel lipidomic biomarkers for noninvasive diagnosis of nonalcoholic steatohepatitis. <i>Journal of Lipid Research</i> , 2015 , 56, 185-92	6.3	117
277	Comprehensive ultra-performance liquid chromatographic separation and mass spectrometric analysis of eicosanoid metabolites in human samples. <i>Journal of Chromatography A</i> , 2014 , 1359, 60-9	4.5	109
276	Formation and characterization of mixed micelles of the nonionic surfactant Triton X-100 with egg, dipalmitoyl, and dimyristoyl phosphatidylcholines. <i>Archives of Biochemistry and Biophysics</i> , 1974 , 165, 764-73	4.1	108
275	NCoR repression of LXRs restricts macrophage biosynthesis of insulin-sensitizing omega 3 fatty acids. <i>Cell</i> , 2013 , 155, 200-214	56.2	107
274	The lipid maps initiative in lipidomics. <i>Methods in Enzymology</i> , 2007 , 432, 171-83	1.7	105
273	Receptors for oxidized low-density lipoprotein on elicited mouse peritoneal macrophages can recognize both the modified lipid moieties and the modified protein moieties: implications with respect to macrophage recognition of apoptotic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 6347-52	11.5	105
272	Regional distribution, ontogeny, purification, and characterization of the Ca ²⁺ -independent phospholipase A2 from rat brain. <i>Journal of Neurochemistry</i> , 1999 , 73, 1278-87	6	104
271	High-throughput lipidomic analysis of fatty acid derived eicosanoids and N-acyl ethanolamines. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 724-36	5	103

270	Spinal TLR4 mediates the transition to a persistent mechanical hypersensitivity after the resolution of inflammation in serum-transferred arthritis. <i>Pain</i> , 2011 , 152, 2881-2891	8	102
269	Mammalian calcium-independent phospholipase A2. <i>Lipids and Lipid Metabolism</i> , 1995 , 1259, 125-36		100
268	Differential expression of oxidation-specific epitopes and apolipoprotein(a) in progressing and ruptured human coronary and carotid atherosclerotic lesions. <i>Journal of Lipid Research</i> , 2012 , 53, 2773-903	6.3	97
267	Spinal 12-lipoxygenase-derived hepxilin A3 contributes to inflammatory hyperalgesia via activation of TRPV1 and TRPA1 receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6721-6	11.5	96
266	Phospholipase A2 mechanism: Inhibition and role in arachidonic acid release. <i>Drug Development Research</i> , 1987 , 10, 205-220	5.1	96
265	Phosphocholine as a pattern recognition ligand for CD36. <i>Journal of Lipid Research</i> , 2005 , 46, 969-76	6.3	94
264	Identification of essential residues for the catalytic function of 85-kDa cytosolic phospholipase A2. Probing the role of histidine, aspartic acid, cysteine, and arginine. <i>Journal of Biological Chemistry</i> , 1996 , 271, 19225-31	5.4	94
263	Analysis of human synovial fluid phospholipase A2 on short chain phosphatidylcholine-mixed micelles: development of a spectrophotometric assay suitable for a microtiterplate reader. <i>Analytical Biochemistry</i> , 1992 , 204, 190-7	3.1	92
262	Phospholipase A2 regulates eicosanoid class switching during inflammasome activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12746-51	11.5	90
261	Lipidomic analysis of dynamic eicosanoid responses during the induction and resolution of Lyme arthritis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 21599-612	5.4	90
260	Assay strategies and methods for phospholipases. <i>Methods in Enzymology</i> , 1991 , 197, 3-23	1.7	90
259	Biological relevance of lipocortins and related proteins as inhibitors of phospholipase A2. <i>Biochemical Pharmacology</i> , 1989 , 38, 3645-51	6	89
258	Phospholipid activation of cobra venom phospholipase A2. 1. Lipid--lipid or lipid--enzyme interaction. <i>Biochemistry</i> , 1979 , 18, 3301-8	3.2	89
257	Targeted lipidomic strategies for oxygenated metabolites of polyunsaturated fatty acids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 456-68	5	87
256	Bicelles in structure-function studies of membrane-associated proteins. <i>Bioorganic Chemistry</i> , 2002 , 30, 431-42	5.1	87
255	Regulation of Eicosanoid Production: Role of Phospholipases and Inhibitors. <i>Nature Biotechnology</i> , 1987 , 5, 1294-1300	44.5	87
254	Inhibition of group IVA cytosolic phospholipase A2 by novel 2-oxoamides in vitro, in cells, and in vivo. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 3615-28	8.3	85
253	Mammalian lysophospholipases. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999 , 1439, 1-16	5	83

252	Pharmacological correction of a defect in PPAR-gamma signaling ameliorates disease severity in Cftr-deficient mice. <i>Nature Medicine</i> , 2010 , 16, 313-8	50.5	79
251	Cholesteryl ester hydroperoxides are biologically active components of minimally oxidized low density lipoprotein. <i>Journal of Biological Chemistry</i> , 2008 , 283, 10241-51	5.4	79
250	TLR-4 and sustained calcium agonists synergistically produce eicosanoids independent of protein synthesis in RAW264.7 cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 22834-47	5.4	78
249	Activated Ketones as Inhibitors of Intracellular Ca ²⁺ -Dependent and Ca ²⁺ -Independent Phospholipase A ₂ . <i>Journal of the American Chemical Society</i> , 1996 , 118, 5519-5525	16.4	78
248	Spinal glial TLR4-mediated nociception and production of prostaglandin E(2) and TNF. <i>British Journal of Pharmacology</i> , 2010 , 160, 1754-64	8.6	77
247	Differing roles for members of the phospholipase A ₂ superfamily in experimental autoimmune encephalomyelitis. <i>Brain</i> , 2009 , 132, 1221-35	11.2	77
246	Three-dimensional enhanced lipidomics analysis combining UPLC, differential ion mobility spectrometry, and mass spectrometric separation strategies. <i>Journal of Lipid Research</i> , 2014 , 55, 2432-42	6.3	75
245	Interfacial activation, lysophospholipase and transacylase activity of group VI Ca ²⁺ -independent phospholipase A ₂ . <i>Lipids and Lipid Metabolism</i> , 1998 , 1392, 320-32		72
244	Oxidized cholesteryl esters and phospholipids in zebrafish larvae fed a high cholesterol diet: macrophage binding and activation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 32343-51	5.4	71
243	A comprehensive classification system for lipids. <i>European Journal of Lipid Science and Technology</i> , 2005 , 107, 337-364	3	71
242	Potent and selective fluoroketone inhibitors of group VIA calcium-independent phospholipase A ₂ . <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 3602-10	8.3	70
241	Novel 2-oxoamide inhibitors of human group IVA phospholipase A(2). <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 2891-3	8.3	70
240	Analysis of phospholipase C (<i>Bacillus cereus</i>) action toward mixed micelles of phospholipid and surfactant. <i>Archives of Biochemistry and Biophysics</i> , 1976 , 176, 604-9	4.1	70
239	Spinal phospholipase A ₂ in inflammatory hyperalgesia: role of group IVA cPLA ₂ . <i>British Journal of Pharmacology</i> , 2005 , 144, 940-52	8.6	68
238	Cellular regulation of cytosolic group IV phospholipase A ₂ by phosphatidylinositol bisphosphate levels. <i>Journal of Immunology</i> , 2000 , 164, 5398-402	5.3	67
237	Release and capture of bioactive oxidized phospholipids and oxidized cholesteryl esters during percutaneous coronary and peripheral arterial interventions in humans. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1961-71	15.1	66
236	Expression and characterization of human group V phospholipase A ₂ . <i>Lipids and Lipid Metabolism</i> , 1998 , 1394, 57-64		66
235	Characterization of mixed micelles of phospholipids of various classes and a synthetic, homogeneous analogue of the nonionic detergent Triton X-100 containing nine oxyethylene groups. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1978 , 508, 513-24	3.8	66

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- 233 Membranes serve as allosteric activators of phospholipase A2, enabling it to extract, bind, and hydrolyze phospholipid substrates. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E516-25 11.5 64
- 232 Phospholipase A2 from cobra venom (*Naja naja naja*). *Methods in Enzymology*, **1981**, 71 Pt C, 703-10 1.7 64
- 231 Synthesis of polyfluoro ketones for selective inhibition of human phospholipase A2 enzymes. *Journal of Medicinal Chemistry*, **2008**, 51, 8027-37 8.3 63
- 230 Systemic and intrathecal effects of a novel series of phospholipase A2 inhibitors on hyperalgesia and spinal prostaglandin E2 release. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 316, 466-75 4.7 63
- 229 Expression and function of phospholipase A(2) in brain. *FEBS Letters*, **2002**, 531, 12-7 3.8 63
- 228 Group V phospholipase A(2)-dependent induction of cyclooxygenase-2 in macrophages. *Journal of Biological Chemistry*, **1999**, 274, 25967-70 5.4 63
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- 226 1-Hexadecyl-2-arachidonoylthio-2-deoxy-sn-glycero-3-phosphorylcholine as a substrate for the microtiterplate assay of human cytosolic phospholipase A2. *Analytical Biochemistry*, **1994**, 217, 25-32 3.1 63
- 225 Structure-activity relationship of 2-oxoamide inhibition of group IVA cytosolic phospholipase A2 and group V secreted phospholipase A2. *Journal of Medicinal Chemistry*, **2007**, 50, 4222-35 8.3 62
- 224 Essential Ca(2+)-independent role of the group IVA cytosolic phospholipase A(2) C2 domain for interfacial activity. *Journal of Biological Chemistry*, **2003**, 278, 23842-50 5.4 62
- 223 Photoactivated heterobifunctional cross-linking reagents which demonstrate the aggregation state of phospholipase A2. *Biochemistry*, **1977**, 16, 5650-4 3.2 62
- 222 Essential role of ELOVL4 protein in very long chain fatty acid synthesis and retinal function. *Journal of Biological Chemistry*, **2012**, 287, 11469-80 5.4 60
- 221 Phospholipase A2 inhibition and modification by manoalogue. *Journal of the American Chemical Society*, **1988**, 110, 5172-5177 16.4 60
- 220 Phospholipase activities of the P388D1 macrophage-like cell line. *Archives of Biochemistry and Biophysics*, **1985**, 238, 247-58 4.1 60
- 219 Phospholipid activation of cobra venom phospholipase A2. 2. Characterization of the phospholipid-enzyme interaction. *Biochemistry*, **1979**, 18, 3308-14 3.2 60
- 218 Localization of group V phospholipase A2 in caveolin-enriched granules in activated P388D1 macrophage-like cells. *Journal of Biological Chemistry*, **2003**, 278, 48059-65 5.4 59
- 217 Identification of a third pathway for arachidonic acid mobilization and prostaglandin production in activated P388D1 macrophage-like cells. *Journal of Biological Chemistry*, **2000**, 275, 22544-9 5.4 59

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214	The geometry of the transition state in the hydrolysis of phosphate esters. <i>Journal of the American Chemical Society</i> , 1966 , 88, 3432-3	16.4	59
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212	Cloning, expression, and catalytic mechanism of murine lysophospholipase I. <i>Journal of Biological Chemistry</i> , 1997 , 272, 12723-9	5.4	57
211	Inflammatory activation of arachidonic acid signaling in murine P388D1 macrophages via sphingomyelin synthesis. <i>Journal of Biological Chemistry</i> , 1997 , 272, 20373-7	5.4	57
210	Differential regulation of phospholipase D and phospholipase A2 by protein kinase C in P388D1 macrophages. <i>Biochemical Journal</i> , 1997 , 321 (Pt 3), 805-9	3.8	57
209	A phospholipase D-mediated pathway for generating diacylglycerol in nuclei from Madin-Darby canine kidney cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 11738-40	5.4	57
208	Lysophospholipids as biosurfactants. <i>Colloids and Surfaces</i> , 1987 , 30, 47-64		57
207	Localizing the membrane binding region of Group VIA Ca ²⁺ -independent phospholipase A2 using peptide amide hydrogen/deuterium exchange mass spectrometry. <i>Journal of Biological Chemistry</i> , 2009 , 284, 23652-61	5.4	55
206	Involvement of phosphatidate phosphohydrolase in arachidonic acid mobilization in human amnionic WISH cells. <i>Journal of Biological Chemistry</i> , 1998 , 273, 7684-90	5.4	55
205	Review of four major distinct types of human phospholipase A. <i>Advances in Biological Regulation</i> , 2018 , 67, 212-218	6.2	55
204	Enzymatic synthesis and decarboxylation of phosphatidylserine in <i>Tetrahymena pyriformis</i> . <i>Journal of Lipid Research</i> , 1970 , 11, 394-403	6.3	55
203	Regiospecificity and catalytic triad of lysophospholipase I. <i>Journal of Biological Chemistry</i> , 1997 , 272, 22030-6	5.4	54
202	Intracellular phospholipase A(2) group IVA and group VIA play important roles in Wallerian degeneration and axon regeneration after peripheral nerve injury. <i>Brain</i> , 2008 , 131, 2620-31	11.2	54
201	Distinguishing phospholipase A2 types in biological samples by employing group-specific assays in the presence of inhibitors. <i>Prostaglandins and Other Lipid Mediators</i> , 2005 , 77, 235-48	3.7	54
200	Location of inhibitors bound to group IVA phospholipase A2 determined by molecular dynamics and deuterium exchange mass spectrometry. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8083-91	16.4	53
199	Magnetic nonequivalence within fatty acyl chains of phospholipids in membrane models: 1H nuclear magnetic resonance studies of the alpha-methylene groups. <i>Biochemistry</i> , 1978 , 17, 935-42	3.2	53

198	Structures of two novel crystal forms of <i>Naja naja naja</i> phospholipase A2 lacking Ca ²⁺ reveal trimeric packing. <i>Journal of Molecular Biology</i> , 1998 , 279, 223-32	6.5	52
197	Interaction of group IA phospholipase A2 with metal ions and phospholipid vesicles probed with deuterium exchange mass spectrometry. <i>Biochemistry</i> , 2008 , 47, 6451-9	3.2	51
196	Lipopolysaccharide-induced cyclooxygenase-2 expression in human U937 macrophages is phosphatidic acid phosphohydrolase-1-dependent. <i>Journal of Biological Chemistry</i> , 2006 , 281, 32978-87	5.4	50
195	A carbon-13 and proton nuclear magnetic resonance study on the structure and mobility of nonionic alkyl polyoxyethylene ether micelles. <i>The Journal of Physical Chemistry</i> , 1977 , 81, 957-963		50
194	Studies on mixed micelles of Triton X-100 and phosphatidylcholine using nuclear magnetic resonance techniques. <i>Journal of Supramolecular Structure</i> , 1973 , 1, 165-76		50
193	Phospholipase A catalysis and lipid mediator lipidomics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 766-771	5	50
192	Photoactivated heterobifunctional cross-linking reagents which demonstrate the aggregation state of phospholipase A2. <i>Biochemistry</i> , 1977 , 16, 5650-5654	3.2	49
191	Micellization and solubilization of phospholipids by surfactants. <i>Advances in Colloid and Interface Science</i> , 1986 , 26, 155-75	14.3	48
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189	Proton magnetic resonance relaxation studies on the structure of mixed micelles of Triton X-100 and dimyristoylphosphatidylcholine. <i>Biochemistry</i> , 1975 , 14, 3746-55	3.2	48
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