

# Edward A Dennis

## List of Publications by Year in descending order

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353  
papers

36,242  
citations

3515

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179  
g-index

368  
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368  
docs citations

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times ranked

29072  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A comprehensive classification system for lipids. <i>Journal of Lipid Research</i> , 2005, 46, 839-861.  | 2.0  | 1,348     |
| 2  | Update of the LIPID MAPS comprehensive classification system for lipids. <i>Journal of Lipid Research</i> , 2009, 50, S9-S14.  | 2.0  | 1,300     |
| 3  | The expanding superfamily of phospholipase A2 enzymes: classification and characterization. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1488, 1-19.  | 1.2  | 1,171     |
| 4  | Eicosanoid storm in infection and inflammation. <i>Nature Reviews Immunology</i> , 2015, 15, 511-523.  | 10.6 | 1,107     |
| 5  | Lipidomics reveals a remarkable diversity of lipids in human plasma. <i>Journal of Lipid Research</i> , 2010, 51, 3299-3305.   | 2.0  | 1,071     |
| 6  | LMSD: LIPID MAPS structure database. <i>Nucleic Acids Research</i> , 2007, 35, D527-D532.  | 6.5  | 998       |
| 7  | Phospholipase A <sub>2</sub> Enzymes: Physical Structure, Biological Function, Disease Implication, Chemical Inhibition, and Therapeutic Intervention. <i>Chemical Reviews</i> , 2011, 111, 6130-6185.   | 23.0 | 953       |
| 8  | The phospholipase A2 superfamily and its group numbering system. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 1246-1259.  | 1.2  | 777       |
| 9  | The growing phospholipase A2 superfamily of signal transduction enzymes. <i>Trends in Biochemical Sciences</i> , 1997, 22, 1-2.  | 3.7  | 768       |
| 10 | Phospholipase A2 structure/function, mechanism, and signaling. <i>Journal of Lipid Research</i> , 2009, 50, S237-S242.   | 2.0  | 739       |
| 11 | Solubilization of phospholipids by detergents structural and kinetic aspects. <i>BBA - Biomembranes</i> , 1983, 737, 285-304.  | 7.9  | 615       |
| 12 | REGULATION AND INHIBITION OF PHOSPHOLIPASE A2. <i>Annual Review of Pharmacology and Toxicology</i> , 1999, 39, 175-189.  | 4.2  | 560       |
| 13 | Role of phospholipases in generating lipid second messengers in signal transduction <sup>1</sup>. <i>FASEB Journal</i> , 1991, 5, 2068-2077.   | 0.2  | 554       |
| 14 | 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, 117-128.  | 3.9  | 494       |
| 15 | Regulated Accumulation of Desmosterol Integrates Macrophage Lipid Metabolism and Inflammatory Responses. <i>Cell</i> , 2012, 151, 138-152.   | 13.5 | 487       |
| 16 | Thematic Review Series: Proteomics. An integrated omics analysis of eicosanoid biology. <i>Journal of Lipid Research</i> , 2009, 50, 1015-1038.  | 2.0  | 438       |
| 17 | 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> , 1999, 96, 6353-6358. | 3.3  | 427       |
| 18 | Phospholipase A2 regulation of arachidonic acid mobilization. <i>FEBS Letters</i> , 2002, 531, 2-6.  | 1.3  | 415       |

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|----|--|------|-----------|
| 19 | The size, shape, and hydration of nonionic surfactant micelles. Triton X-100. <i>The Journal of Physical Chemistry</i> , 1977, 81, 1075-1078.  | 2.9  | 398       |
| 20 | Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. <i>Journal of Lipid Research</i> , 2020, 61, 1539-1555.   | 2.0  | 372       |
| 21 | The Human Plasma Lipidome. <i>New England Journal of Medicine</i> , 2011, 365, 1812-1823.  | 13.9 | 361       |
| 22 | Inhibition of Macrophage Ca <sup>2+</sup> -independent Phospholipase A2 by Bromoenol Lactone and Trifluoromethyl Ketones. <i>Journal of Biological Chemistry</i> , 1995, 270, 445-450.   | 1.6  | 356       |
| 23 | Phospholipase A2 Biochemistry. <i>Cardiovascular Drugs and Therapy</i> , 2009, 23, 49-59.  | 1.3  | 332       |
| 24 | 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, 228-238.  | 0.8  | 324       |
| 25 | 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.  | 2.0  | 312       |
| 26 | Distinct Roles in Signal Transduction for Each of the Phospholipase A2 Enzymes Present in P388D1 Macrophages. <i>Journal of Biological Chemistry</i> , 1996, 271, 6758-6765.   | 1.6  | 310       |
| 27 | Function and Inhibition of Intracellular Calcium-independent Phospholipase A2. <i>Journal of Biological Chemistry</i> , 1997, 272, 16069-16072.  | 1.6  | 284       |
| 28 | 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, 8527-8531. | 3.3  | 271       |
| 29 | Biomarkers of NAFLD progression: a lipidomics approach to an epidemic. <i>Journal of Lipid Research</i> , 2015, 56, 722-736.   | 2.0  | 264       |
| 30 | Scavenger Receptors, Oxidized LDL, and Atherosclerosis. <i>Annals of the New York Academy of Sciences</i> , 2001, 947, 214-223.  | 1.8  | 260       |
| 31 | A Mouse Macrophage Lipidome. <i>Journal of Biological Chemistry</i> , 2010, 285, 39976-39985.  | 1.6  | 260       |
| 32 | Lipid Signaling Enzymes and Surface Dilution Kinetics. <i>Journal of Biological Chemistry</i> , 1995, 270, 18711-18714.  | 1.6  | 259       |
| 33 | Acyl and phosphoryl migration in lysophospholipids: importance in phospholipid synthesis and phospholipase specificity. <i>Biochemistry</i> , 1982, 21, 1743-1750.   | 1.2  | 238       |
| 34 | 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.  | 2.0  | 231       |
| 35 | Calcium-independent phospholipase A2: structure and function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1488, 28-39.   | 1.2  | 225       |
| 36 | Novel Group V Phospholipase A2 Involved in Arachidonic Acid Mobilization in Murine P388D1 Macrophages. <i>Journal of Biological Chemistry</i> , 1996, 271, 32381-32384.  | 1.6  | 221       |

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|----|---|------|-----------|
| 37 | Lipidomic Profiling of Influenza Infection Identifies Mediators that Induce and Resolve Inflammation. <i>Cell</i> , 2013, 154, 213-227.   | 13.5 | 211       |
| 38 | Intracellular sites of lipid synthesis and the biogenesis of mitochondria. <i>Journal of Lipid Research</i> , 1972, 13, 263-267.  | 2.0  | 203       |
| 39 | Kdo2-Lipid A of <i>Escherichia coli</i> , a defined endotoxin that activates macrophages via TLR-4. <i>Journal of Lipid Research</i> , 2006, 47, 1097-1111.   | 2.0  | 202       |
| 40 | Irreversible inhibition of Ca <sup>2+</sup> -independent phospholipase A2 by methyl arachidonyl fluorophosphonate. <i>Lipids and Lipid Metabolism</i> , 1996, 1302, 55-60.  | 2.6  | 201       |
| 41 | Kinetic dependence of phospholipase A2 activity on the detergent Triton X-100. <i>Journal of Lipid Research</i> , 1973, 14, 152-159.  | 2.0  | 198       |
| 42 | 9 Phospholipases. <i>The Enzymes</i> , 1983, 16, 307-353.   | 0.7  | 197       |
| 43 | Antisense Inhibition of Group VI Ca <sup>2+</sup> -independent Phospholipase A2 Blocks Phospholipid Fatty Acid Remodeling in Murine P388D1 Macrophages. <i>Journal of Biological Chemistry</i> , 1997, 272, 29317-29321.                                    | 1.6  | 197       |
| 44 | Bromoenoil Lactone Inhibits Magnesium-dependent Phosphatidate Phosphohydrolase and Blocks Triacylglycerol Biosynthesis in Mouse P388D1 Macrophages. <i>Journal of Biological Chemistry</i> , 1996, 271, 31937-31941.  | 1.6  | 189       |
| 45 | 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, 648-656.                          | 1.2  | 188       |
| 46 | 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, 7951-7956.        | 3.3  | 181       |
| 47 | Subcellular organelle lipidomics in TLR-4-activated macrophages. <i>Journal of Lipid Research</i> , 2010, 51, 2785-2797.  | 2.0  | 180       |
| 48 | Correlation of Antiphospholipid Antibody Recognition with the Structure of Synthetic Oxidized Phospholipids. <i>Journal of Biological Chemistry</i> , 2002, 277, 7010-7020.   | 1.6  | 177       |
| 49 | Applications of Mass Spectrometry to Lipids and Membranes. <i>Annual Review of Biochemistry</i> , 2011, 80, 301-325.  | 5.0  | 177       |
| 50 | Interfacial properties and critical micelle concentration of lysophospholipids. <i>Biochemistry</i> , 1989, 28, 5113-5120.  | 1.2  | 174       |
| 51 | Determinants of binding of oxidized phospholipids on apolipoprotein (a) and lipoprotein (a). <i>Journal of Lipid Research</i> , 2013, 54, 2815-2830.  | 2.0  | 174       |
| 52 | 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.                                   | 1.4  | 173       |
| 53 | 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, 41326-41332.                                     | 1.6  | 172       |
| 54 | 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, 9163-9169. | 1.6  | 170       |

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|----|---|------|-----------|
| 55 | 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, 2184-2191. | 1.6  | 166       |
| 56 | Polyunsaturated fatty acid metabolites as novel lipidomic biomarkers for noninvasive diagnosis of nonalcoholic steatohepatitis. <i>Journal of Lipid Research</i> , 2015, 56, 185-192.   | 2.0  | 160       |
| 57 | 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, 12263-12268.                    | 1.6  | 149       |
| 58 | 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, 8517-8522.                            | 3.3  | 149       |
| 59 | NCoR Repression of LXRs Restricts Macrophage Biosynthesis of Insulin-Sensitizing Omega 3 Fatty Acids. <i>Cell</i> , 2013, 155, 200-214.   | 13.5 | 149       |
| 60 | 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, 272-280.                                 | 2.6  | 148       |
| 61 | Comprehensive ultra-performance liquid chromatographic separation and mass spectrometric analysis of eicosanoid metabolites in human samples. <i>Journal of Chromatography A</i> , 2014, 1359, 60-69.                             | 1.8  | 148       |
| 62 | Group-Specific Assays That Distinguish between the Four Major Types of Mammalian Phospholipase A2. <i>Analytical Biochemistry</i> , 1999, 269, 278-288.   | 1.1  | 146       |
| 63 | Chemical Protein Synthesis by Solid Phase Ligation of Unprotected Peptide Segments. <i>Journal of the American Chemical Society</i> , 1999, 121, 8720-8727.   | 6.6  | 146       |
| 64 | Detection and Quantitation of Eicosanoids via High Performance Liquid Chromatographyâ€Electrospray Ionizationâ€Mass Spectrometry. <i>Methods in Enzymology</i> , 2007, 432, 59-82.  | 0.4  | 146       |
| 65 | Identity between the Ca <sup>2+</sup> -independent Phospholipase A2 Enzymes from P388D1 Macrophages and Chinese Hamster Ovary Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 8576-8580.                               | 1.6  | 143       |
| 66 | Lipidomics joins the omics evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2089-2090.  | 3.3  | 140       |
| 67 | 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, 2773-2790.              | 2.0  | 131       |
| 68 | The Lipid Maps Initiative in Lipidomics. <i>Methods in Enzymology</i> , 2007, 432, 171-183.   | 0.4  | 129       |
| 69 | 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.  | 2.0  | 123       |
| 70 | High-throughput lipidomic analysis of fatty acid derived eicosanoids and N-acylethanolamines. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 724-736.                                  | 1.2  | 120       |
| 71 | 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, 764-773.        | 1.4  | 117       |
| 72 | Mammalian calcium-independent phospholipase A2. <i>Lipids and Lipid Metabolism</i> , 1995, 1259, 125-136.   | 2.6  | 115       |

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|----|---|-----|-----------|
| 73 | Regional Distribution, Ontogeny, Purification, and Characterization of the Ca <sup>2+</sup> -Independent Phospholipase A <sub>2</sub> from Rat Brain. <i>Journal of Neurochemistry</i> , 2001, 73, 1278-1287.   | 2.1 | 113       |
| 74 | Phospholipase A <sub>2</sub> regulates eicosanoid class switching during inflammasome activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12746-12751.  | 3.3 | 113       |
| 75 | IL-17 signaling in steatotic hepatocytes and macrophages promotes hepatocellular carcinoma in alcohol-related liver disease. <i>Journal of Hepatology</i> , 2020, 72, 946-959.  | 1.8 | 113       |
| 76 | 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, 6347-6352. | 3.3 | 110       |
| 77 | Targeted lipidomic strategies for oxygenated metabolites of polyunsaturated fatty acids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 456-468.   | 1.2 | 110       |
| 78 | [1] Assay strategies and methods for phospholipases. <i>Methods in Enzymology</i> , 1991, 197, 3-23.  | 0.4 | 105       |
| 79 | Lipidomic Analysis of Dynamic Eicosanoid Responses during the Induction and Resolution of Lyme Arthritis. <i>Journal of Biological Chemistry</i> , 2009, 284, 21599-21612.  | 1.6 | 105       |
| 80 | Spinal 12-lipoxygenase-derived hepoxilin A <sub>3</sub> 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, 6721-6726.  | 3.3 | 105       |
| 81 | Phospholipase A <sub>2</sub> mechanism: Inhibition and role in arachidonic acid release. <i>Drug Development Research</i> , 1987, 10, 205-220.  | 1.4 | 104       |
| 82 | Analysis of human synovial fluid phospholipase A <sub>2</sub> on short chain phosphatidylcholine-mixed micelles: Development of a spectrophotometric assay suitable for a microtiterplate reader. <i>Analytical Biochemistry</i> , 1992, 204, 190-197.  | 1.1 | 103       |
| 83 | Phosphocholine as a pattern recognition ligand for CD36. <i>Journal of Lipid Research</i> , 2005, 46, 969-976.  | 2.0 | 103       |
| 84 | Identification of Essential Residues for the Catalytic Function of 85-kDa Cytosolic Phospholipase A <sub>2</sub> . <i>Journal of Biological Chemistry</i> , 1996, 271, 19225-19231.   | 1.6 | 101       |
| 85 | Efficacy of dietary odd-chain saturated fatty acid pentadecanoic acid parallels broad associated health benefits in humans: could it be essential?. <i>Scientific Reports</i> , 2020, 10, 8161.   | 1.6 | 97        |
| 86 | Phospholipase A <sub>2</sub> catalysis and lipid mediator lipidomics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 766-771.  | 1.2 | 96        |
| 87 | Regulation of Eicosanoid Production: Role of Phospholipases and Inhibitors. <i>Nature Biotechnology</i> , 1987, 5, 1294-1300.   | 9.4 | 94        |
| 88 | Biological relevance of lipocortins and related proteins as inhibitors of phospholipase A <sub>2</sub> . <i>Biochemical Pharmacology</i> , 1989, 38, 3645-3651.   | 2.0 | 94        |
| 89 | A comprehensive classification system for lipids. <i>European Journal of Lipid Science and Technology</i> , 2005, 107, 337-364.   | 1.0 | 94        |
| 90 | Mammalian lysophospholipases. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999, 1439, 1-16.   | 1.2 | 93        |

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|-----|--|------|-----------|
| 91  | Review of four major distinct types of human phospholipase A2. <i>Advances in Biological Regulation</i> , 2018, 67, 212-218.   | 1.4  | 93        |
| 92  | 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, 3615-3628.  | 2.9  | 92        |
| 93  | Spinal glial TLR4-mediated nociception and production of prostaglandin E <sub>2</sub> and TNF. <i>British Journal of Pharmacology</i> , 2010, 160, 1754-1764.  | 2.7  | 92        |
| 94  | Phospholipid activation of cobra venom phospholipase A2. 1. Lipid-lipid or lipid-enzyme interaction. <i>Biochemistry</i> , 1979, 18, 3301-3308.  | 1.2  | 91        |
| 95  | Three-dimensional enhanced lipidomics analysis combining UPLC, differential ion mobility spectrometry, and mass spectrometric separation strategies. <i>Journal of Lipid Research</i> , 2014, 55, 2432-2442.   | 2.0  | 90        |
| 96  | Bicelles in structure-function studies of membrane-associated proteins. <i>Bioorganic Chemistry</i> , 2002, 30, 431-442.   | 2.0  | 89        |
| 97  | Cholesteryl Ester Hydroperoxides Are Biologically Active Components of Minimally Oxidized Low Density Lipoprotein. <i>Journal of Biological Chemistry</i> , 2008, 283, 10241-10251.  | 1.6  | 89        |
| 98  | 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, 22834-22847.  | 1.6  | 88        |
| 99  | Pharmacological correction of a defect in PPAR- $\delta$ signaling ameliorates disease severity in Cfr-deficient mice. <i>Nature Medicine</i> , 2010, 16, 313-318.   | 15.2 | 88        |
| 100 | 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, 1961-1971.            | 1.2  | 88        |
| 101 | Differing roles for members of the phospholipase A2 superfamily in experimental autoimmune encephalomyelitis. <i>Brain</i> , 2009, 132, 1221-1235.   | 3.7  | 87        |
| 102 | LIPID MAPS: Serving the next generation of lipid researchers with tools, resources, data, and training. <i>Science Signaling</i> , 2019, 12, .   | 1.6  | 87        |
| 103 | Activated Ketones as Inhibitors of Intracellular Ca <sup>2+</sup> -Dependent and Ca <sup>2+</sup> -Independent Phospholipase A2. <i>Journal of the American Chemical Society</i> , 1996, 118, 5519-5525.   | 6.6  | 85        |
| 104 | Membranes serve as allosteric activators of phospholipase A <sub>2</sub> , enabling it to extract, bind, and hydrolyze phospholipid substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E516-25. | 3.3  | 85        |
| 105 | Essential Role of ELOVL4 Protein in Very Long Chain Fatty Acid Synthesis and Retinal Function. <i>Journal of Biological Chemistry</i> , 2012, 287, 11469-11480.  | 1.6  | 83        |
| 106 | Interfacial activation, lysophospholipase and transacylase activity of Group VI Ca <sup>2+</sup> -independent phospholipase A2. <i>Lipids and Lipid Metabolism</i> , 1998, 1392, 320-332.  | 2.6  | 81        |
| 107 | Oxidized Cholesteryl Esters and Phospholipids in Zebrafish Larvae Fed a High Cholesterol Diet. <i>Journal of Biological Chemistry</i> , 2010, 285, 32343-32351.  | 1.6  | 80        |
| 108 | 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, 604-609.   | 1.4  | 78        |

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|-----|--|-----|-----------|
| 109 | Potent and Selective Fluoroketone Inhibitors of Group VIA Calcium-Independent Phospholipase A <sub>2</sub> . Journal of Medicinal Chemistry, 2010, 53, 3602-3610.  | 2.9 | 78        |
| 110 | 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. Biochimica Et Biophysica Acta - Biomembranes, 1978, 508, 513-524.  | 1.4 | 77        |
| 111 | Spinal phospholipase A2 in inflammatory hyperalgesia: role of Group IVA cPLA2. British Journal of Pharmacology, 2005, 144, 940-952.  | 2.7 | 76        |
| 112 | Specificity of eicosanoid production depends on the TLR-4-stimulated macrophage phenotype. Journal of Leukocyte Biology, 2011, 90, 563-574.  | 1.5 | 76        |
| 113 | Photoactivated heterobifunctional cross-linking reagents which demonstrate the aggregation state of phospholipase A2. Biochemistry, 1977, 16, 5650-5654.   | 1.2 | 73        |
| 114 | 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. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1420, 45-56. | 1.4 | 73        |
| 115 | Expression and function of phospholipase A2 in brain. FEBS Letters, 2002, 531, 12-17.  | 1.3 | 73        |
| 116 | Novel 2-Oxoamide Inhibitors of Human Group IVA Phospholipase A2. Journal of Medicinal Chemistry, 2002, 45, 2891-2893.  | 2.9 | 72        |
| 117 | Alkaline hydrolysis of phospholipids in model membranes and the dependence on their state of aggregation. Biochemistry, 1981, 20, 6079-6085.   | 1.2 | 71        |
| 118 | Cellular Regulation of Cytosolic Group IV Phospholipase A2 by Phosphatidylinositol Bisphosphate Levels. Journal of Immunology, 2000, 164, 5398-5402.   | 0.4 | 71        |
| 119 | Synthesis of Polyfluoro Ketones for Selective Inhibition of Human Phospholipase A <sub>2</sub> Enzymes. Journal of Medicinal Chemistry, 2008, 51, 8027-8037.   | 2.9 | 71        |
| 120 | [81] Phospholipase A2 from cobra venom (Naja naja naja). Methods in Enzymology, 1981, 71 Pt C, 703-710.  | 0.4 | 70        |
| 121 | Expression and characterization of human group V phospholipase A2. Lipids and Lipid Metabolism, 1998, 1394, 57-64.   | 2.6 | 70        |
| 122 | Essential Ca <sup>2+</sup> -independent Role of the Group IVA Cytosolic Phospholipase A2 C2 Domain for Interfacial Activity. Journal of Biological Chemistry, 2003, 278, 23842-23850.  | 1.6 | 69        |
| 123 | The Geometry of the Transition State in the Hydrolysis of Phosphate Esters. Journal of the American Chemical Society, 1966, 88, 3432-3433.   | 6.6 | 68        |
| 124 | Phospholipase A2 inhibition and modification by mannoalogue. Journal of the American Chemical Society, 1988, 110, 5172-5177.   | 6.6 | 68        |
| 125 | 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, 466-475.  | 1.3 | 68        |
| 126 | Intracellular phospholipase A2 group IVA and group VIA play important roles in Wallerian degeneration and axon regeneration after peripheral nerve injury. Brain, 2008, 131, 2620-2631.  | 3.7 | 67        |



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|-----|---|-----|-----------|
| 127 | Phospholipid activation of cobra venom phospholipase A <sub>2</sub> . 2. Characterization of the phospholipid-enzyme interaction. <i>Biochemistry</i> , 1979, 18, 3308-3314.  | 1.2 | 66        |
| 128 | 1-Hexadecyl-2-Arachidonoylthio-2-deoxy-sn-Glycero-3-Phosphorylcholine as a Substrate for the Microtiterplate Assay of Human Cytosolic Phospholipase A <sub>2</sub> . <i>Analytical Biochemistry</i> , 1994, 217, 25-32.       | 1.1 | 66        |
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