

# Edward A Dennis

## List of Publications by Year in descending order

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353  
papers

36,242  
citations

3515

90  
h-index

3714

179  
g-index

368  
all docs

368  
docs citations

368  
times ranked

29072  
citing authors

#	ARTICLE	IF	CITATIONS
1	Each phospholipase A2 type exhibits distinct selectivity toward sn-1 ester, alkyl ether, and vinyl ether phospholipids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159067.	1.2	12
2	Lipoprotein-associated phospholipase A <sub>2</sub> : A paradigm for allosteric regulation by membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	17
3	N-Acylated and N-Alkylated 2-Aminobenzothiazoles Are Novel Agents That Suppress the Generation of Prostaglandin E2. <i>Biomolecules</i> , 2022, 12, 267.	1.8	1
4	Bioactive lipids and metabolic syndrome—a symposium report. <i>Annals of the New York Academy of Sciences</i> , 2022, 1511, 87-106.	1.8	5
5	Allosteric regulation by membranes and hydrophobic subsites in phospholipase A2 enzymes determine their substrate specificity. <i>Journal of Biological Chemistry</i> , 2022, 298, 101873.	1.6	7
6	Outtakes from My Journey through the World of LIPID MAPS. <i>Molecules</i> , 2022, 27, 3885.	1.7	0
7	Omega-3 versus Omega-6 fatty acid availability is controlled by hydrophobic site geometries of phospholipase A2s. <i>Journal of Lipid Research</i> , 2021, 62, 100113.	2.0	24
8	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021, 12, 4771.	5.8	54
9	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
10	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
11	Automated Annotation of Sphingolipids Including Accurate Identification of Hydroxylation Sites Using MS <sup>n</sup> Data. <i>Analytical Chemistry</i> , 2020, 92, 14054-14062.	3.2	28
12	A global lipid map defines a network essential for Zika virus replication. <i>Nature Communications</i> , 2020, 11, 3652.	5.8	50
13	Steps Toward Minimal Reporting Standards for Lipidomics Mass Spectrometry in Biomedical Research Publications. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e003019.	1.6	11
14	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
15	Phosphatidylinositol metabolism, phospholipases, lipidomics, and cancer: In Memoriam: Michael J. O. Wakelam (1955–2020). <i>Journal of Lipid Research</i> , 2020, 61, 809-814.	2.0	0
16	Plasma eicosanoids as noninvasive biomarkers of liver fibrosis in patients with nonalcoholic steatohepatitis. <i>Therapeutic Advances in Gastroenterology</i> , 2020, 13, 175628482092390.	1.4	24
17	2-Oxoester Phospholipase A2 Inhibitors with Enhanced Metabolic Stability. <i>Biomolecules</i> , 2020, 10, 491.	1.8	4
18	Lipidomics-based assays coupled with computational approaches can identify novel phospholipase A2 inhibitors. <i>Advances in Biological Regulation</i> , 2020, 76, 100719.	1.4	4

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19	PPAR $\delta$ exacerbates necroptosis, leading to increased mortality in postinfluenza bacterial superinfection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15789-15798.	3.3	11
20	Unique Substrate Specificity of Human Phospholipase A <sub>2</sub> s. FASEB Journal, 2020, 34, 1-1.	0.2	1
21	Enzyme Hydrophobic Sites and Allosteric Membrane Interactions Regulate Signaling and Mediators of Inflammation. FASEB Journal, 2020, 34, 1-1.	0.2	0
22	The Role of Phospholipases in Phosphatidylcholine Catabolism. , 2020, , 121-142.		0
23	Cytosolic group IVA phospholipase A2 inhibitors, AVX001 and AVX002, ameliorate collagen-induced arthritis. Arthritis Research and Therapy, 2019, 21, 29.	1.6	13
24	AMP-activated protein kinase activation ameliorates eicosanoid dysregulation in high-fat-induced kidney disease in mice. Journal of Lipid Research, 2019, 60, 937-952.	2.0	10
25	$\hat{\Gamma}$ -Lactones: A Novel Class of Ca <sup>2+</sup> -Independent Phospholipase A2 (Group VIA iPLA2) Inhibitors with the Ability To Inhibit $\hat{\Gamma}$ -Cell Apoptosis. Journal of Medicinal Chemistry, 2019, 62, 2916-2927.	2.9	6
26	Phospholipase A2 catalysis and lipid mediator lipidomics. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 766-771.	1.2	96
27	Directed Non-targeted Mass Spectrometry and Chemical Networking for Discovery of Eicosanoids and Related Oxylipins. Cell Chemical Biology, 2019, 26, 433-442.e4.	2.5	64
28	LIPID MAPS: Serving the next generation of lipid researchers with tools, resources, data, and training. Science Signaling, 2019, 12, .	1.6	87
29	Substrate-Specific Inhibition Constants for Phospholipase A2 Acting on Unique Phospholipid Substrates in Mixed Micelles and Membranes Using Lipidomics. Journal of Medicinal Chemistry, 2019, 62, 1999-2007.	2.9	17
30	Unique enzyme specificity of three human phospholipases A <sub>2</sub> toward phospholipids containing sn $\hat{\epsilon}$ 2 omega $\hat{\epsilon}$ 3 and omega $\hat{\epsilon}$ 6 fatty acids. FASEB Journal, 2019, 33, 489.4.	0.2	1
31	Membrane Allosterity and Unique Hydrophobic Sites Promote Enzyme Substrate Specificity. Journal of the American Chemical Society, 2018, 140, 3285-3291.	6.6	60
32	Allosteric Regulation by Membranes Controls Specificity of Lipolytic Enzymes through Recruitment of Unique Hydrophobic Binding Pockets. Biophysical Journal, 2018, 114, 66a.	0.2	1
33	Membrane Allosterity Recruits Unique Hydrophobic Binding Sites Promoting Substrate Specificity of Lipolytic Enzymes. Biophysical Journal, 2018, 114, 74a.	0.2	0
34	Lipidomics Reveals Dramatic Physiological Kinetic Isotope Effects during the Enzymatic Oxygenation of Polyunsaturated Fatty Acids Ex Vivo. Journal of the American Chemical Society, 2018, 140, 235-243.	6.6	33
35	Quantitative determination of esterified eicosanoids and related oxygenated metabolites after base hydrolysis. Journal of Lipid Research, 2018, 59, 2436-2445.	2.0	29
36	Highly Potent 2-Oxoester Inhibitors of Cytosolic Phospholipase A <sub>2</sub> (GIVA) Tj ETQq0 0 0 rgBT /Overlock 1,6 Tf 50 62 Td (cPLA	1.6	9

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37	Inhibition of spinal 15-LOX-1 attenuates TLR4-dependent, nonsteroidal anti-inflammatory drugâ€‘unresponsive hyperalgesia in male rats. <i>Pain</i> , 2018, 159, 2620-2629.	2.0	12
38	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
39	Review of four major distinct types of human phospholipase A2. <i>Advances in Biological Regulation</i> , 2018, 67, 212-218.	1.4	93
40	Lipidomics reveals physiological isotope effects during the enzymatic oxygenation of polyunsaturated fatty acids ex vivo.. <i>FASEB Journal</i> , 2018, 32, 658.1.	0.2	0
41	Membrane Allostery and Hydrophobic Binding Sites Control Substrate Specificity of Lipolytic Enzymes. <i>FASEB Journal</i> , 2018, 32, 528.6.	0.2	0
42	Dysregulation of lipidomic profile and antiviral immunity in response to hyaluronan in patients with severe asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1379-1383.	1.5	42
43	2-Oxoamides based on dipeptides as selective calcium-independent phospholipase A 2 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 926-940.	1.4	4
44	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950â€‘Metabolites in Frozen Human Plasma. <i>Journal of Lipid Research</i> , 2017, 58, 2275-2288.	2.0	312
45	2-Oxoesters: A Novel Class of Potent and Selective Inhibitors of Cytosolic Group IVA Phospholipase A2. <i>Scientific Reports</i> , 2017, 7, 7025.	1.6	18
46	<i>Borrelia burgdorferi</i> infection induces lipid mediator production during Lyme arthritis. <i>Biochimie</i> , 2017, 141, 86-90.	1.3	6
47	The role of human cytochrome P450 2E1 in liver inflammation and fibrosis. <i>Hepatology Communications</i> , 2017, 1, 1043-1057.	2.0	46
48	Development of Potent and Selective Inhibitors for Group VIA Calcium-Independent Phospholipase A <sub>2</sub> Guided by Molecular Dynamics and Structureâ€‘Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 4403-4414.	2.9	39
49	Computer-aided drug design guided by hydrogen/deuterium exchange mass spectrometry: A powerful combination for the development of potent and selective inhibitors of Group VIA calcium-independent phospholipase A2. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4801-4811.	1.4	21
50	2-Oxoamide inhibitors of cytosolic group IVA phospholipase A2 with reduced lipophilicity. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4544-4554.	1.4	5
51	Liberating Chiral Lipid Mediators, Inflammatory Enzymes, and LIPID MAPS from Biological Grease. <i>Journal of Biological Chemistry</i> , 2016, 291, 24431-24448.	1.6	37
52	Computational Modeling of Competitive Metabolism between $\omega$ -3- and $\omega$ -6-Polyunsaturated Fatty Acids in Inflammatory Macrophages. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8346-8353.	1.2	11
53	Membrane and inhibitor interactions of intracellular phospholipases A2. <i>Advances in Biological Regulation</i> , 2016, 61, 17-24.	1.4	28
54	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

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55	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
56	Eicosanoid storm in infection and inflammation. <i>Nature Reviews Immunology</i> , 2015, 15, 511-523.	10.6	1,107
57	Biomarkers of NAFLD progression: a lipidomics approach to an epidemic. <i>Journal of Lipid Research</i> , 2015, 56, 722-736.	2.0	264
58	Introduction to Thematic Review Series: Phospholipases: Central Role in Lipid Signaling and Disease. <i>Journal of Lipid Research</i> , 2015, 56, 1245-1247.	2.0	56
59	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
60	Targeted Deletion and Lipidomic Analysis Identify Epithelial Cell COX-2 as a Major Driver of Chemically Induced Skin Cancer. <i>Molecular Cancer Research</i> , 2014, 12, 1677-1688.	1.5	21
61	A lipidomic perspective on inflammatory macrophage eicosanoid signaling. <i>Advances in Biological Regulation</i> , 2014, 54, 99-110.	1.4	55
62	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
63	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
64	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
65	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
66	Cell-type-specific roles for COX-2 in UVB-induced skin cancer. <i>Carcinogenesis</i> , 2014, 35, 1310-1319.	1.3	28
67	Inhibition of Group IVA Cytosolic Phospholipase A2 by Thiazolyl Ketones in Vitro, ex Vivo, and in Vivo. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7523-7535.	2.9	35
68	Modeling and Inhibitor Design of Ca(2+)-Independent Phospholipase A2. <i>Biophysical Journal</i> , 2014, 106, 38a.	0.2	0
69	Modeling of Eicosanoid Fluxes Reveals Functional Coupling between Cyclooxygenases and Terminal Synthases. <i>Biophysical Journal</i> , 2014, 106, 966-975.	0.2	25
70	New potent and selective polyfluoroalkyl ketone inhibitors of GVIA calcium-independent phospholipase A2. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5823-5829.	1.4	33
71	Lipidomics Technologies at the End of the First Decade and the Beginning of the Next. <i>Advances in Nutrition</i> , 2013, 4, 565-567.	2.9	13
72	NCoR Repression of LXRs Restricts Macrophage Biosynthesis of Insulin-Sensitizing Omega 3 Fatty Acids. <i>Cell</i> , 2013, 155, 200-214.	13.5	149

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73	25-Hydroxycholesterol Activates the Integrated Stress Response to Reprogram Transcription and Translation in Macrophages. <i>Journal of Biological Chemistry</i> , 2013, 288, 35812-35823.	1.6	64
74	Structural basis of specific interactions of Lp-PLA2 with HDL revealed by hydrogen deuterium exchange mass spectrometry. <i>Journal of Lipid Research</i> , 2013, 54, 127-133.	2.0	21
75	Lipidomic Profiling of Influenza Infection Identifies Mediators that Induce and Resolve Inflammation. <i>Cell</i> , 2013, 154, 213-227.	13.5	211
76	Fluoroketone Inhibition of Ca <sup>2+</sup> -Independent Phospholipase A <sub>2</sub> through Binding Pocket Association Defined by Hydrogen/Deuterium Exchange and Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2013, 135, 1330-1337.	6.6	48
77	Correction to "Fluoroketone Inhibition of Ca <sup>2+</sup> -Independent Phospholipase A <sub>2</sub> through Binding Pocket Association Defined by Hydrogen/Deuterium Exchange and Molecular Dynamics". <i>Journal of the American Chemical Society</i> , 2013, 135, 5932-5932.	6.6	2
78	Insertion of the Ca <sup>2+</sup> -Independent Phospholipase A <sub>2</sub> into a Phospholipid Bilayer via Coarse-Grained and Atomistic Molecular Dynamics Simulations. <i>PLoS Computational Biology</i> , 2013, 9, e1003156.	1.5	33
79	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
80	Analysis of inflammatory and lipid metabolic networks across RAW264.7 and thioglycolate-elicited macrophages. <i>Journal of Lipid Research</i> , 2013, 54, 2525-2542.	2.0	41
81	Systematic analysis of rat 12/15-lipoxygenase enzymes reveals critical role for spinal eLOX3 hepxilin synthase activity in inflammatory hyperalgesia. <i>FASEB Journal</i> , 2013, 27, 1939-1949.	0.2	40
82	Desperately Seeking Flexner. <i>Academic Medicine</i> , 2013, 88, 1405-1406.	0.8	4
83	Using Hydrogen/Deuterium Exchange Mass Spectrometry to Define the Specific Interactions of the Phospholipase A <sub>2</sub> Superfamily with Lipid Substrates, Inhibitors, and Membranes. <i>Journal of Biological Chemistry</i> , 2013, 288, 1806-1813.	1.6	52
84	Assessing Phospholipase A <sub>2</sub> Activity toward Cardiolipin by Mass Spectrometry. <i>PLoS ONE</i> , 2013, 8, e59267.	1.1	48
85	Polyoxygenated Cholesterol Ester Hydroperoxide Activates TLR4 and SYK Dependent Signaling in Macrophages. <i>PLoS ONE</i> , 2013, 8, e83145.	1.1	44
86	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
87	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
88	Dietary Fish Oil Substitution Alters the Eicosanoid Profile in Ankle Joints of Mice during Lyme Infection. <i>Journal of Nutrition</i> , 2012, 142, 1582-1589.	1.3	15
89	Spinal 12-lipoxygenase-derived hepxilin 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
90	Structure/Function Relationships of Adipose Phospholipase A <sub>2</sub> Containing a Cys-His-His Catalytic Triad. <i>Journal of Biological Chemistry</i> , 2012, 287, 35260-35274.	1.6	45

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91	Omega-3 fatty acids cause dramatic changes in TLR4 and purinergic eicosanoid signaling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8517-8522.	3.3	149
92	Targeted Proteomics of the Eicosanoid Biosynthetic Pathway Completes an Integrated Genomics-Proteomics-Metabolomics Picture of Cellular Metabolism. Molecular and Cellular Proteomics, 2012, 11, M111.014746-1-M111.014746-9.	2.5	36
93	Regulated Accumulation of Desmosterol Integrates Macrophage Lipid Metabolism and Inflammatory Responses. Cell, 2012, 151, 138-152.	13.5	487
94	The costimulatory immunogen LPS induces the B-Cell clones that infiltrate transplanted human kidneys. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6036-6041.	3.3	23
95	LIPID MAPS-Nature Lipidomics Gateway: An Online Resource for Students and Educators Interested in Lipids. Journal of Chemical Education, 2012, 89, 291-292.	1.1	55
96	Binding Conformation of 2-Oxoamide Inhibitors to Group IVA Cytosolic Phospholipase A <sub>2</sub> Determined by Molecular Docking Combined with Molecular Dynamics. Journal of Chemical Information and Modeling, 2012, 52, 243-254.	2.5	20
97	Lipoprotein-Associated Phospholipase A <sub>2</sub> Interacts with Phospholipid Vesicles via a Surface-Disposed Hydrophobic $\alpha$ -Helix. Biochemistry, 2011, 50, 5314-5321.	1.2	35
98	Phospholipase A <sub>2</sub> Enzymes: Physical Structure, Biological Function, Disease Implication, Chemical Inhibition, and Therapeutic Intervention. Chemical Reviews, 2011, 111, 6130-6185.	23.0	953
99	The Human Plasma Lipidome. New England Journal of Medicine, 2011, 365, 1812-1823.	13.9	361
100	High-throughput lipidomic analysis of fatty acid derived eicosanoids and N-acyl ethanolamines. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 724-736.	1.2	120
101	High sensitivity quantitative lipidomics analysis of fatty acids in biological samples by gas chromatography-mass spectrometry. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 648-656.	1.2	188
102	Spinal TLR4 mediates the transition to a persistent mechanical hypersensitivity after the resolution of inflammation in serum-transferred arthritis. Pain, 2011, 152, 2881-2891.	2.0	123
103	Effect of gestational hypercholesterolemia and maternal immunization on offspring plasma eicosanoids. American Journal of Obstetrics and Gynecology, 2011, 205, 156.e15-156.e25.	0.7	20
104	Applications of Mass Spectrometry to Lipids and Membranes. Annual Review of Biochemistry, 2011, 80, 301-325.	5.0	177
105	Phospholipase A <sub>2</sub> superfamily members play divergent roles after spinal cord injury. FASEB Journal, 2011, 25, 4240-4252.	0.2	49
106	Specificity of eicosanoid production depends on the TLR-4-stimulated macrophage phenotype. Journal of Leukocyte Biology, 2011, 90, 563-574.	1.5	76
107	Spinal glial TLR4-mediated nociception and production of prostaglandin E <sub>2</sub> and TNF. British Journal of Pharmacology, 2010, 160, 1754-1764.	2.7	92
108	Inflammatory hyperalgesia induces essential bioactive lipid production in the spinal cord. Journal of Neurochemistry, 2010, 114, 981-993.	2.1	50

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109	Pharmacological correction of a defect in PPAR- $\hat{I}^3$ signaling ameliorates disease severity in Cftr-deficient mice. <i>Nature Medicine</i> , 2010, 16, 313-318.	15.2	88
110	Role of Phospholipase A2 Forms in Arachidonic Acid Mobilization and Eicosanoid Generation. , 2010, , 1213-1217.		0
111	Application of Proteomic Marker Ensembles to Subcellular Organelle Identification. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 388-402.	2.5	49
112	A Mouse Macrophage Lipidome. <i>Journal of Biological Chemistry</i> , 2010, 285, 39976-39985.	1.6	260
113	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
114	Subcellular organelle lipidomics in TLR-4-activated macrophages. <i>Journal of Lipid Research</i> , 2010, 51, 2785-2797.	2.0	180
115	Potent and Selective Fluoroketone Inhibitors of Group VIA Calcium-Independent Phospholipase A<sub>2</sub>. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 3602-3610.	2.9	78
116	Lipidomics reveals a remarkable diversity of lipids in human plasma. <i>Journal of Lipid Research</i> , 2010, 51, 3299-3305.	2.0	1,071
117	Cell Signaling. , 2010, , 1-4.		32
118	Calcium Regulation of Group VIA "Calcium"Independent" Phospholipase A2. <i>FASEB Journal</i> , 2010, 24, 850.2.	0.2	0
119	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
120	Cyclooxygenase-1 Orchestrates Germinal Center Formation and Antibody Class-Switch via Regulation of IL-17. <i>Journal of Immunology</i> , 2009, 183, 5644-5653.	0.4	32
121	Founding, early history, and transformation of the <i>Journal for Lipid Research</i> to an American Society of Biochemistry and Molecular Biology journal. <i>Journal of Lipid Research</i> , 2009, 50, S3-S8.	2.0	2
122	Differing roles for members of the phospholipase A2 superfamily in experimental autoimmune encephalomyelitis. <i>Brain</i> , 2009, 132, 1221-1235.	3.7	87
123	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
124	Localizing the Membrane Binding Region of Group VIA Ca <sup>2+</sup> -independent Phospholipase A2 Using Peptide Amide Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2009, 284, 23652-23661.	1.6	61
125	Fifty years of research on lipids. <i>Journal of Lipid Research</i> , 2009, 50, S1.	2.0	1
126	Thematic Review Series: Proteomics. An integrated omics analysis of eicosanoid biology. <i>Journal of Lipid Research</i> , 2009, 50, 1015-1038.	2.0	438



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127	Phospholipase A2 Biochemistry. Cardiovascular Drugs and Therapy, 2009, 23, 49-59.	1.3	332
128	2-Oxoamide inhibitors of phospholipase A2 activity and cellular arachidonate release based on dipeptides and pseudodipeptides. Bioorganic and Medicinal Chemistry, 2009, 17, 4833-4843.	1.4	17
129	Update of the LIPID MAPS comprehensive classification system for lipids. Journal of Lipid Research, 2009, 50, S9-S14.	2.0	1,300
130	Phosphatidic acid phosphohydrolase in the regulation of inflammatory signaling. Advances in Enzyme Regulation, 2009, 49, 114-120.	2.9	22
131	Location of Inhibitors Bound to Group IVA Phospholipase A <sub>2</sub> Determined by Molecular Dynamics and Deuterium Exchange Mass Spectrometry. Journal of the American Chemical Society, 2009, 131, 8083-8091.	6.6	59
132	TLR-4 mediated group IVA phospholipase A2 activation is phosphatidic acid phosphohydrolase 1 and protein kinase C dependent. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 975-982.	1.2	20
133	An Integrated Model of Eicosanoid Metabolism and Signaling Based on Lipidomics Flux Analysis. Biophysical Journal, 2009, 96, 4542-4551.	0.2	54
134	Phospholipase A2 structure/function, mechanism, and signaling. Journal of Lipid Research, 2009, 50, S237-S242.	2.0	739
135	Group IVA cytosolic phospholipase A2 (cPLA2 $\alpha$ ) and integrin $\alpha$ IIb $\beta$ 3 reinforce each other's functions during $\alpha$ IIb $\beta$ 3 signaling in platelets. Blood, 2009, 113, 447-457.	0.6	23
136	Synthesis of 2-oxoamides based on sulfonamide analogs of $\beta$ -amino acids and their activity on phospholipase A <sub>2</sub> . Journal of Peptide Science, 2008, 14, 1111-1120.	0.8	7
137	A Macrophage Cell Model for Selective Metalloproteinase Inhibitor Design. ChemBioChem, 2008, 9, 2087-2095.	1.3	11
138	The scientific work of Fritz Spener. European Journal of Lipid Science and Technology, 2008, 110, 3-4.	1.0	0
139	Structure-activity relationships of natural and non-natural amino acid-based amide and 2-oxoamide inhibitors of human phospholipase A2 enzymes. Bioorganic and Medicinal Chemistry, 2008, 16, 10257-10269.	1.4	27
140	Lipidomics analysis of essential fatty acids in macrophages. Prostaglandins Leukotrienes and Essential Fatty Acids, 2008, 79, 123-129.	1.0	54
141	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
142	Interaction of Group IA Phospholipase A <sub>2</sub> with Metal Ions and Phospholipid Vesicles Probed with Deuterium Exchange Mass Spectrometry. Biochemistry, 2008, 47, 6451-6459.	1.2	61
143	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
144	Calcium Binding Rigidifies the C2 Domain and the Intradomain Interaction of GIVA Phospholipase A2 as Revealed by Hydrogen/Deuterium Exchange Mass Spectrometry. Journal of Biological Chemistry, 2008, 283, 9820-9827.	1.6	40

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145	A Phospholipid Substrate Molecule Residing in the Membrane Surface Mediates Opening of the Lid Region in Group IVA Cytosolic Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2008, 283, 31227-31236.	1.6	49
146	New Commentary section to highlight significant JLR articles. <i>Journal of Lipid Research</i> , 2008, 49, 1.	2.0	0
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