

# MarÃ-a A Balboa

## List of Publications by Year in descending order

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101  
papers

5,838  
citations

44042

48  
h-index

76872

74  
g-index

102  
all docs

102  
docs citations

102  
times ranked

4639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorylation of cPLA2 $\beta$ at Ser505 Is Necessary for Its Translocation to PtdInsP2-Enriched Membranes. <i>Molecules</i> , 2022, 27, 2347.	1.7	3
2	Roles of Palmitoleic Acid and Its Positional Isomers, Hypogeic and Sapienic Acids, in Inflammation, Metabolic Diseases and Cancer. <i>Cells</i> , 2022, 11, 2146.	1.8	12
3	Choline Glycerophospholipid-Derived Prostaglandins Attenuate TNF $\alpha$ Gene Expression in Macrophages via a cPLA2 $\beta$ /COX-1 Pathway. <i>Cells</i> , 2021, 10, 447.	1.8	6
4	Phospholipases: From Structure to Biological Function. <i>Biomolecules</i> , 2021, 11, 428.	1.8	17
5	The Hypoxic Microenvironment Induces Stearoyl-CoA Desaturase-1 Overexpression and Lipidomic Profile Changes in Clear Cell Renal Cell Carcinoma. <i>Cancers</i> , 2021, 13, 2962.	1.7	14
6	Lipin-1-derived diacylglycerol activates intracellular TRPC3 which is critical for inflammatory signaling. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 8243-8260.	2.4	4
7	Lipid Droplets, Phospholipase A2, Arachidonic Acid, and Atherosclerosis. <i>Biomedicines</i> , 2021, 9, 1891.	1.4	15
8	Release of Anti-Inflammatory Palmitoleic Acid and Its Positional Isomers by Mouse Peritoneal Macrophages. <i>Biomedicines</i> , 2020, 8, 480.	1.4	22
9	Phospholipid Arachidonic Acid Remodeling During Phagocytosis in Mouse Peritoneal Macrophages. <i>Biomedicines</i> , 2020, 8, 274.	1.4	12
10	A Lipidomic Perspective of the Action of Group IIA Secreted Phospholipase A2 on Human Monocytes: Lipid Droplet Biogenesis and Activation of Cytosolic Phospholipase A2 $\beta$ . <i>Biomolecules</i> , 2020, 10, 891.	1.8	10
11	The Contribution of Cytosolic Group IVA and Calcium-Independent Group VIA Phospholipase A2s to Adrenic Acid Mobilization in Murine Macrophages. <i>Biomolecules</i> , 2020, 10, 542.	1.8	18
12	Selectivity of phospholipid hydrolysis by phospholipase A2 enzymes in activated cells leading to polyunsaturated fatty acid mobilization. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 772-783.	1.2	92
13	Cellular Plasmalogen Content Does Not Influence Arachidonic Acid Levels or Distribution in Macrophages: A Role for Cytosolic Phospholipase A2 $\beta$ in Phospholipid Remodeling. <i>Cells</i> , 2019, 8, 799.	1.8	36
14	Neutral Lipids Are Not a Source of Arachidonic Acid for Lipid Mediator Signaling in Human Foamy Monocytes. <i>Cells</i> , 2019, 8, 941.	1.8	13
15	The role of lipins in innate immunity and inflammation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1328-1337.	1.2	22
16	Sequestration of 9-Hydroxystearic Acid in FAHFA (Fatty Acid Esters of Hydroxy Fatty Acids) as a Protective Mechanism for Colon Carcinoma Cells to Avoid Apoptotic Cell Death. <i>Cancers</i> , 2019, 11, 524.	1.7	39
17	Occurrence and biological activity of palmitoleic acid isomers in phagocytic cells. <i>Journal of Lipid Research</i> , 2018, 59, 237-249.	2.0	53
18	Regulation of Phagocytosis in Macrophages by Membrane Ethanolamine Plasmalogens. <i>Frontiers in Immunology</i> , 2018, 9, 1723.	2.2	59

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19	The phosphatidic acid phosphatase lipin-1 facilitates inflammation-driven colon carcinogenesis. <i>JCI Insight</i> , 2018, 3, .	2.3	27
20	Lipin-2 regulates NLRP3 inflammasome by affecting P2X7 receptor activation. <i>Journal of Experimental Medicine</i> , 2017, 214, 511-528.	4.2	92
21	Essential Role for Ethanolamine Plasmalogen Hydrolysis in Bacterial Lipopolysaccharide Priming of Macrophages for Enhanced Arachidonic Acid Release. <i>Frontiers in Immunology</i> , 2017, 8, 1251.	2.2	25
22	Critical role for cytosolic group IVA phospholipase A2 in early adipocyte differentiation and obesity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1083-1095.	1.2	16
23	Foamy Monocytes Are Enriched in cis -7-Hexadecenoic Fatty Acid (16:1n-9), a Possible Biomarker for Early Detection of Cardiovascular Disease. <i>Cell Chemical Biology</i> , 2016, 23, 689-699.	2.5	64
24	Group V Secreted Phospholipase A2 Is Upregulated by IL-4 in Human Macrophages and Mediates Phagocytosis via Hydrolysis of Ethanolamine Phospholipids. <i>Journal of Immunology</i> , 2015, 194, 3327-3339.	0.4	60
25	Cytosolic Group IVA and Calcium-Independent Group VIA Phospholipase A2s Act on Distinct Phospholipid Pools in Zymosan-Stimulated Mouse Peritoneal Macrophages. <i>Journal of Immunology</i> , 2014, 192, 752-762.	0.4	47
26	Phospholipase A2 regulation of lipid droplet formation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1661-1671.	1.2	73
27	Lipin-1 Integrates Lipid Synthesis with Proinflammatory Responses during TLR Activation in Macrophages. <i>Journal of Immunology</i> , 2014, 193, 4614-4622.	0.4	46
28	A Phosphatidylinositol Species Acutely Generated by Activated Macrophages Regulates Innate Immune Responses. <i>Journal of Immunology</i> , 2013, 190, 5169-5177.	0.4	32
29	Lipin-2 Reduces Proinflammatory Signaling Induced by Saturated Fatty Acids in Macrophages. <i>Journal of Biological Chemistry</i> , 2012, 287, 10894-10904.	1.6	74
30	Simultaneous activation of p38 and JNK by arachidonic acid stimulates the cytosolic phospholipase A2-dependent synthesis of lipid droplets in human monocytes. <i>Journal of Lipid Research</i> , 2012, 53, 2343-2354.	2.0	73
31	Dynamics of arachidonic acid mobilization by inflammatory cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 249-256.	1.2	101
32	Phospholipid sources for arachidonic acid mobilization in RAW 264.7 macrophages. Comparison with arachidonic acid. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 1386-1393.	1.2	24
33	Influence of cellular arachidonic acid levels on phospholipid remodeling and CoA-independent transacylase activity in human monocytes and U937 cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 97-103.	1.2	39
34	Altered Arachidonate Distribution in Macrophages from Caveolin-1 Null Mice Leading to Reduced Eicosanoid Synthesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 35299-35307.	1.6	32
35	Subcellular Localization and Role of Lipin-1 in Human Macrophages. <i>Journal of Immunology</i> , 2011, 186, 6004-6013.	0.4	67
36	Signaling Role for Lysophosphatidylcholine Acyltransferase 3 in Receptor-Regulated Arachidonic Acid Reacylation Reactions in Human Monocytes. <i>Journal of Immunology</i> , 2010, 184, 1071-1078.	0.4	56

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37	Markers of Monocyte Activation Revealed by Lipidomic Profiling of Arachidonic Acid-Containing Phospholipids. <i>Journal of Immunology</i> , 2010, 184, 3857-3865.	0.4	52
38	The cationic cluster of group IVA phospholipase A2 (Lys488/Lys541/Lys543/Lys544) is involved in translocation of the enzyme to phagosomes in human macrophages. <i>Journal of Lipid Research</i> , 2010, 51, 388-399.	2.0	17
39	Lipidomic approaches to the study of phospholipase A2-regulated phospholipid fatty acid incorporation and remodeling. <i>Biochimie</i> , 2010, 92, 645-650.	1.3	19
40	Requirement of JNK-Mediated Phosphorylation for Translocation of Group IVA Phospholipase A2 to Phagosomes in Human Macrophages. <i>Journal of Immunology</i> , 2009, 183, 2767-2774.	0.4	48
41	JNK and Ceramide Kinase Govern the Biogenesis of Lipid Droplets through Activation of Group IVA Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2009, 284, 32359-32369.	1.6	48
42	Lipid Droplet Biogenesis Induced by Stress Involves Triacylglycerol Synthesis That Depends on Group VIA Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2009, 284, 5697-5708.	1.6	84
43	Coordinate Regulation of TLR-Mediated Arachidonic Acid Mobilization in Macrophages by Group IVA and Group V Phospholipase A2s. <i>Journal of Immunology</i> , 2009, 182, 3877-3883.	0.4	69
44	Control of free arachidonic acid levels by phospholipases A2 and lysophospholipid acyltransferases. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 1103-1113.	1.2	147
45	Arachidonic acid mobilization by stimuli of the innate immune response. <i>Immunologia (Barcelona)</i> , Tj ETQq1 1 0.784314 rgBT_g/Overlo 0.1	0.1	0
46	Calcium-independent phospholipase A <sub>2</sub> mediates proliferation of human promonocytic U937 cells. <i>FEBS Journal</i> , 2008, 275, 1915-1924.	2.2	31
47	Calcium-independent phospholipase A <sub>2</sub> -mediated formation of 1,2-diacylglycerol and glycerophosphoinositol in monocytes. <i>FEBS Journal</i> , 2008, 275, 6180-6191.	2.2	29
48	Relation between the increase of circulating CD3+ CD57+ lymphocytes and T cell dysfunction in recipients of bone marrow transplantation. <i>Clinical and Experimental Immunology</i> , 2008, 82, 145-150.	1.1	11
49	Analysis of different protein kinase C-dependent events in T cells from allogeneic bone marrow transplantation recipients. <i>Clinical and Experimental Immunology</i> , 2008, 87, 478-484.	1.1	2
50	Levels of SCS7/FA2H-Mediated Fatty Acid 2-Hydroxylation Determine the Sensitivity of Cells to Antitumor PM02734. <i>Cancer Research</i> , 2008, 68, 9779-9787.	0.4	57
51	Group IVA Phospholipase A2 Is Necessary for the Biogenesis of Lipid Droplets. <i>Journal of Biological Chemistry</i> , 2008, 283, 27369-27382.	1.6	82
52	Group V Phospholipase A2-Derived Lysophosphatidylcholine Mediates Cyclooxygenase-2 Induction in Lipopolysaccharide-Stimulated Macrophages. <i>Journal of Immunology</i> , 2007, 179, 631-638.	0.4	47
53	TLR3-Dependent Induction of Nitric Oxide Synthase in RAW 264.7 Macrophage-Like Cells via a Cytosolic Phospholipase A2/Cyclooxygenase-2 Pathway. <i>Journal of Immunology</i> , 2007, 179, 4821-4828.	0.4	59
54	Oxidative stress and arachidonic acid mobilization. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 385-391.	1.2	147

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55	Calcium-independent phospholipase A2 and apoptosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 1344-1350.	1.2	82
56	Involvement of Group VIA Calcium-Independent Phospholipase A2 in Macrophage Engulfment of Hydrogen Peroxide-Treated U937 Cells. <i>Journal of Immunology</i> , 2006, 176, 2555-2561.	0.4	42
57	Phosphatidylinositol 4,5-Bisphosphate Anchors Cytosolic Group IVA Phospholipase A2 to Perinuclear Membranes and Decreases Its Calcium Requirement for Translocation in Live Cells. <i>Molecular Biology of the Cell</i> , 2006, 17, 155-162.	0.9	66
58	Blockade of arachidonic acid incorporation into phospholipids induces apoptosis in U937 promonocytic cells. <i>Journal of Lipid Research</i> , 2006, 47, 484-491.	2.0	73
59	Overexpression of Cytosolic Group IVA Phospholipase A2 Protects Cells from Ca <sup>2+</sup> -dependent Death. <i>Journal of Biological Chemistry</i> , 2006, 281, 6106-6116.	1.6	29
60	Cellular regulation and proposed biological functions of group VIA calcium-independent phospholipase A in activated cells. <i>Cellular Signalling</i> , 2005, 17, 1052-1062.	1.7	195
61	Role of Group VIA Calcium-independent Phospholipase A2 in Arachidonic Acid Release, Phospholipid Fatty Acid Incorporation, and Apoptosis in U937 Cells Responding to Hydrogen Peroxide. <i>Journal of Biological Chemistry</i> , 2004, 279, 40385-40391.	1.6	82
62	Control of arachidonic acid levels in resting and activated U937 phagocytic cells by Ca <sup>2+</sup> -independent phospholipase A2. , 2004, , 61-72.		1
63	Localization of Group V Phospholipase A2 in Caveolin-enriched Granules in Activated P388D1 Macrophage-like Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 48059-48065.	1.6	65
64	Bromo-enol Lactone Promotes Cell Death by a Mechanism Involving Phosphatidate Phosphohydrolase-1 Rather than Calcium-independent Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2003, 278, 44683-44690.	1.6	88
65	Calcium-Independent Phospholipase A2 Is Required for Lysozyme Secretion in U937 Promonocytes. <i>Journal of Immunology</i> , 2003, 170, 5276-5280.	0.4	63
66	Amplification Mechanisms of Inflammation: Paracrine Stimulation of Arachidonic Acid Mobilization by Secreted Phospholipase A2 Is Regulated by Cytosolic Phospholipase A2-Derived Hydroperoxyeicosatetraenoic Acid. <i>Journal of Immunology</i> , 2003, 171, 989-994.	0.4	64
67	Involvement of Calcium-independent Phospholipase A2 in Hydrogen Peroxide-induced Accumulation of Free Fatty Acids in Human U937 Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 40384-40389.	1.6	85
68	Expression and function of phospholipase A2 in brain. <i>FEBS Letters</i> , 2002, 531, 12-17.	1.3	73
69	Inflammatory Activation of Prostaglandin Production by Microglial Cells Antagonized by Amyloid Peptide. <i>Biochemical and Biophysical Research Communications</i> , 2001, 280, 558-560.	1.0	5
70	Extracellular ATP and cAMP as Paracrine and Interorgan Regulators of Renal Function P2Y Receptors of MDCK Cells: Epithelial Cell Regulation by Extracellular Nucleotides. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2001, 28, 351-354.	0.9	59
71	Expression of cytosolic and secreted forms of phospholipase A2 and cyclooxygenases in human placenta, fetal membranes, and chorionic cell lines. <i>Prostaglandins and Other Lipid Mediators</i> , 2000, 60, 119-125.	1.0	21
72	Cellular Regulation of Cytosolic Group IV Phospholipase A2 by Phosphatidylinositol Bisphosphate Levels. <i>Journal of Immunology</i> , 2000, 164, 5398-5402.	0.4	71

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73	Group V Phospholipase A2-mediated Oleic Acid Mobilization in Lipopolysaccharide-stimulated P388D1 Macrophages. <i>Journal of Biological Chemistry</i> , 2000, 275, 4783-4786.	1.6	64
74	Identification of a Third Pathway for Arachidonic Acid Mobilization and Prostaglandin Production in Activated P388D1 Macrophage-like Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 22544-22549.	1.6	64
75	Phosphorylation of Cytosolic Group IV Phospholipase A2 Is Necessary but Not Sufficient for Arachidonic Acid Release in P388D1 Macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 145-148.	1.0	27
76	Group IV Cytosolic Phospholipase A <sub>2</sub> Activation by Diacylglycerol Pyrophosphate in Murine P388D <sub>1</sub> Macrophages. <i>Annals of the New York Academy of Sciences</i> , 2000, 905, 11-15.	1.8	8
77	Regulation of Delayed Prostaglandin Production in Activated P388D1 Macrophages by Group IV Cytosolic and Group V Secretory Phospholipase A <sub>2</sub> s. <i>Journal of Biological Chemistry</i> , 1999, 274, 12263-12268.	1.6	149
78	Regulation of Arachidonic Acid Mobilization in Lipopolysaccharide-activated P388D1 Macrophages by Adenosine Triphosphate. <i>Journal of Biological Chemistry</i> , 1999, 274, 36764-36768.	1.6	31
79	Regulation of Cyclooxygenase-2 Expression by Phosphatidate Phosphohydrolase in Human Amnionic WISH Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 27689-27693.	1.6	29
80	Group V Phospholipase A2-dependent Induction of Cyclooxygenase-2 in Macrophages. <i>Journal of Biological Chemistry</i> , 1999, 274, 25967-25970.	1.6	66
81	Proinflammatory Macrophage-activating Properties of the Novel Phospholipid Diacylglycerol Pyrophosphate. <i>Journal of Biological Chemistry</i> , 1999, 274, 522-526.	1.6	58
82	REGULATION AND INHIBITION OF PHOSPHOLIPASE A <sub>2</sub> . <i>Annual Review of Pharmacology and Toxicology</i> , 1999, 39, 175-189.	4.2	560
83	Involvement of Phosphatidate Phosphohydrolase in Arachidonic Acid Mobilization in Human Amnionic WISH Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 7684-7690.	1.6	63
84	Functional coupling between secretory phospholipase A <sub>2</sub> and cyclooxygenase-2 and its regulation by cytosolic group IV phospholipase A <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 7951-7956.	3.3	181
85	Stimulation of Phospholipase D via $\beta$ -1-Adrenergic Receptors in Madin-Darby Canine Kidney Cells is Independent of PKC $\zeta$ and $\mu$ Activation. <i>Molecular Pharmacology</i> , 1998, 53, 221-227.	1.0	34
86	Inflammatory Activation of Arachidonic Acid Signaling in Murine P388D1 Macrophages via Sphingomyelin Synthesis. <i>Journal of Biological Chemistry</i> , 1997, 272, 20373-20377.	1.6	63
87	Identity between the Ca <sup>2+</sup> -independent Phospholipase A <sub>2</sub> Enzymes from P388D1 Macrophages and Chinese Hamster Ovary Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 8576-8580.	1.6	143
88	Antisense Inhibition of Group VI Ca <sup>2+</sup> -independent Phospholipase A <sub>2</sub> Blocks Phospholipid Fatty Acid Remodeling in Murine P388D1 Macrophages. <i>Journal of Biological Chemistry</i> , 1997, 272, 29317-29321.	1.6	197
89	Differential regulation of phospholipase D and phospholipase A <sub>2</sub> by protein kinase C in P388D1 macrophages. <i>Biochemical Journal</i> , 1997, 321, 805-810.	1.7	61
90	Mechanisms for Activation of Multiple Effectors by $\beta$ -1-Adrenergic Receptors. <i>Advances in Pharmacology</i> , 1997, 42, 451-453.	1.2	2

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91	Isoform-specific redistribution of protein kinase C in living cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996, 1313, 63-71.	1.9	11
92	P2-purinoceptors utilize multiple signaling pathways in MDCK-D1 cells. <i>Autonomic and Autacoid Pharmacology</i> , 1996, 16, 311-314.	0.7	15
93	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
94	Nuclear Phospholipase D in Madin-Darby Canine Kidney Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 29843-29847.	1.6	63
95	A Phospholipase D-mediated Pathway for Generating Diacylglycerol in Nuclei from Madin-Darby Canine Kidney Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 11738-11740.	1.6	65
96	Variability in the expression of a $\beta$ 2-microglobulin epitope on hepatocytes in chronic type C hepatitis on treatment with interferon. <i>Hepatology</i> , 1993, 17, 372-382.	3.6	21
97	Signaling through the LFA-1 leucocyte integrin actively regulates intercellular adhesion and tumor necrosis factor- $\alpha$ production in natural killer cells. <i>European Journal of Immunology</i> , 1993, 23, 1859-1865.	1.6	46
98	Post-receptor occupancy events in leukocytes during $\beta$ 1 integrin-ligand interactions. <i>European Journal of Immunology</i> , 1993, 23, 2642-2648.	1.6	19
99	Phospholipase D activation in human natural killer cells through the Kp43 and CD16 surface antigens takes place by different mechanisms. Involvement of the phospholipase D pathway in tumor necrosis factor alpha synthesis. <i>Journal of Experimental Medicine</i> , 1992, 176, 9-17.	4.2	38
100	High toxic efficiency of ricin immunotoxins specific for the t-cell antigen receptor of a human leukemia t-cell line. <i>International Journal of Cancer</i> , 1989, 43, 697-702.	2.3	2
101	An ammonium ion-dependent protein synthesis cell-free system for halobacteria. <i>Biochemistry</i> , 1988, 27, 8194-8199.	1.2	21