Robert C Murphy

List of Publications by Year
in descending order

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352 papers	25,997 citations	7568 77 h-index	9345 143 g-index
358 all docs	358 docs citations	358 times ranked	24699 citing authors

#	Article	IF	Citations
1	Oxylipin metabolism is controlled by mitochondrial Î²-oxidation during bacterial inflammation. Nature Communications, 2022, 13, 139.	12.8	27
2	Formation, Signaling and Occurrence of Specialized Pro-Resolving Lipid Mediatorsâ€"What is the Evidence so far?. Frontiers in Pharmacology, 2022, 13, 838782.	3.5	70
3	Lipidomics. , 2022, , .		0
4	The SARS-CoV2 envelope differs from host cells, exposes procoagulant lipids, and is disrupted inÂvivo by oral rinses. Journal of Lipid Research, 2022, 63, 100208.	4.2	28
5	Lipidomic and transcriptional analysis of the linoleoyl-omega-hydroxyceramide biosynthetic pathway in human psoriatic lesions. Journal of Lipid Research, 2021, 62, 100094.	4.2	20
6	Lipoprotein Lipase Regulates Microglial Lipid Droplet Accumulation. Cells, 2021, 10, 198.	4.1	35
7	Lipid mass spectrometry: A path traveled for 50 years. Journal of Mass Spectrometry, 2020, 55, e4492.	1.6	2
8	Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. Journal of Lipid Research, 2020, 61, 1539-1555.	4.2	372
9	Steps Toward Minimal Reporting Standards for Lipidomics Mass Spectrometry in Biomedical Research Publications. Circulation Genomic and Precision Medicine, 2020, 13, e003019.	3.6	11
10	An improved and highly selective fluorescence assay for measuring phosphatidylserine decarboxylase activity. Journal of Biological Chemistry, 2020, 295, 9211-9222.	3.4	5
11	Potential Role of Oral Rinses Targeting the Viral Lipid Envelope in SARS-CoV-2 Infection. Function, 2020, 1, zqaa002.	2.3	118
12	Montelukast Prevents Early Diabetic Retinopathy in Mice. Diabetes, 2019, 68, 2004-2015.	0.6	22
13	Overview of Lipid Mass Spectrometry and Lipidomics. Methods in Molecular Biology, 2019, 1978, 81-105.	0.9	4
14	Revising the structure of a new eicosanoid from human platelets to 8,9â€"11,12-diepoxy-13-hydroxyeicosadienoic acid. Journal of Biological Chemistry, 2019, 294, 9225-9238.	3.4	3
15	Enzymatically oxidized phospholipids assume center stage as essential regulators of innate immunity and cell death. Science Signaling, 2019, 12, .	3.6	55
16	Lysophospholipid acyltransferases and leukotriene biosynthesis: intersection of the Lands cycle and the arachidonate PI cycle. Journal of Lipid Research, 2019, 60, 219-226.	4.2	23
17	Lipids and Inflammation. , 2018, , 79-124.		0
18	Altered eicosanoid production and phospholipid remodeling during cell culture. Journal of Lipid Research, 2018, 59, 542-549.	4.2	15

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19	Tandem Mass Spectrometry and Ion Mobility Reveals Structural Insight into Eicosanoid Product Ion Formation. Journal of the American Society for Mass Spectrometry, 2018, 29, 1231-1241.	2.8	9
20	Enhanced Platelet-Activating Factor Synthesis Facilitates Acute and Delayed Effects of Ethanol-Intoxicated Thermal BurnÂInjury. Journal of Investigative Dermatology, 2018, 138, 2461-2469.	0.7	11
21	Challenges in mass spectrometry-based lipidomics of neutral lipids. TrAC - Trends in Analytical Chemistry, 2018, 107, 91-98.	11.4	27
22	Deciphering the Role of Lipid Droplets in Cardiovascular Disease. Circulation, 2018, 138, 305-315.	1.6	89
23	DioxolaneA3-phosphatidylethanolamines are generated by human platelets and stimulate neutrophil integrin expression. Redox Biology, 2017, 11, 663-672.	9.0	16
24	The Endocannabinoid Metabolite Prostaglandin E2 (PGE2)-Glycerol Inhibits Human Neutrophil Functions: Involvement of Its Hydrolysis into PGE2 and EP Receptors. Journal of Immunology, 2017, 198, 3255-3263.	0.8	28
25	Targeted inactivation of copper transporter Atp7b in hepatocytes causes liver steatosis and obesity in mice. American Journal of Physiology - Renal Physiology, 2017, 313, G39-G49.	3.4	35
26	Directing eicosanoid esterification into phospholipids. Journal of Lipid Research, 2017, 58, 837-839.	4.2	6
27	Tandem Mass Spectrometry in Combination with Product Ion Mobility for the Identification of Phospholipids. Analytical Chemistry, 2017, 89, 916-921.	6.5	26
28	Lipidomic characterization and localization of phospholipids in the human lung. Journal of Lipid Research, 2017, 58, 926-933.	4.2	36
29	Dormant 5-lipoxygenase in inflammatory macrophages is triggered by exogenous arachidonic acid. Scientific Reports, 2017, 7, 10981.	3.3	37
30	Determination of Double Bond Positions in Polyunsaturated Fatty Acids Using the Photochemical PaternÃ²-BÃ¼chi Reaction with Acetone and Tandem Mass Spectrometry. Analytical Chemistry, 2017, 89, 8545-8553.	6.5	73
31	Increased Ï‰6-Containing Phospholipids and Primary Ï‰6 Oxidation Products in the Brain Tissue of Rats on an Ï‰3-Deficient Diet. PLoS ONE, 2016, 11, e0164326.	2.5	4
32	Activation of liver X receptor/retinoid X receptor pathway ameliorates liver disease in Atp7Bâ^'/â^' (Wilson disease) mice. Hepatology, 2016, 63, 1828-1841.	7.3	82
33	Chronic Glutathione Depletion Confers Protection against Alcohol-induced Steatosis: Implication for Redox Activation of AMP-activated Protein Kinase Pathway. Scientific Reports, 2016, 6, 29743.	3.3	33
34	Mapping the Human Platelet Lipidome Reveals Cytosolic Phospholipase A2 as a Regulator of Mitochondrial Bioenergetics during Activation. Cell Metabolism, 2016, 23, 930-944.	16.2	150
35	Interactions of 2-O-arachidonylglycerol ether and ibuprofen with the allosteric and catalytic subunits of human COX-2. Journal of Lipid Research, 2016, 57, 1043-1050.	4.2	11
36	Prostaglandins from Cytosolic Phospholipase A2Î±/Cyclooxygenase-1 Pathway and Mitogen-activated Protein Kinases Regulate Gene Expression in Candida albicans-infected Macrophages. Journal of Biological Chemistry, 2016, 291, 7070-7086.	3.4	20

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37	Structural analogs of pulmonary surfactant phosphatidylglycerol inhibit toll-like receptor 2 and 4 signaling. Journal of Lipid Research, 2016, 57, 993-1005.	4.2	27
38	Human Platelets Utilize Cycloxygenase-1 to Generate Dioxolane A3, a Neutrophil-activating Eicosanoid. Journal of Biological Chemistry, 2016, 291, 13448-13464.	3.4	15
39	Phospholipid Ozonation Products Activate the 5-Lipoxygenase Pathway in Macrophages. Chemical Research in Toxicology, 2016, 29, 1355-1364.	3.3	8
40	Cytosolic phospholipase A2 contributes to innate immune defense against Candida albicans lung infection. BMC Immunology, 2016, 17, 27.	2.2	15
41	Tandem mass spectrometry of novel etherâ€linked phospholipid analogs of anionic pulmonary surfactant phospholipids. Rapid Communications in Mass Spectrometry, 2016, 30, 2601-2606.	1.5	4
42	Membrane-dependent Activities of Human 15-LOX-2 and Its Murine Counterpart. Journal of Biological Chemistry, 2016, 291, 19413-19424.	3.4	30
43	The discovery and early structural studies of arachidonic acid. Journal of Lipid Research, 2016, 57, 1126-1132.	4.2	102
44	Mass Spectrometric Collisional Activation and Product Ion Mobility of Human Serum Neutral Lipid Extracts. Analytical Chemistry, 2016, 88, 6274-6282.	6.5	18
45	Deletion of 5-Lipoxygenase in the Tumor Microenvironment Promotes Lung Cancer Progression and Metastasis through Regulating T Cell Recruitment. Journal of Immunology, 2016, 196, 891-901.	0.8	66
46	The Eicosanoids. , 2016, , 259-296.		12
47	Radiation therapy generates platelet-activating factor agonists. Oncotarget, 2016, 7, 20788-20800.	1.8	34
48	Measurement of estradiol, estrone, and testosterone in postmenopausal human serum by isotope dilution liquid chromatography tandem mass spectrometry without derivatization. Steroids, 2015, 96, 89-94.	1.8	41
49	Identification of oxidized phospholipids in bronchoalveolar lavage exposed to low ozone levels using multivariate analysis. Analytical Biochemistry, 2015, 474, 50-58.	2.4	19
50	Acyl-CoA synthetase 1 deficiency alters cardiolipin species and impairs mitochondrial function. Journal of Lipid Research, 2015, 56, 1572-1582.	4.2	36
51	Ion mobility and tandem mass spectrometry of phosphatidylglycerol and bis(monoacylglycerol) phosphate (BMP). International Journal of Mass Spectrometry, 2015, 378, 255-263.	1.5	20
52	Botanical oils enriched in n-6 and n-3 FADS2 products are equally effective in preventing atherosclerosis and fatty liver. Journal of Lipid Research, 2015, 56, 1191-1205.	4.2	19
53	Endogenously Generated Omegaâ€3 Fatty Acids Attenuate Vascular Inflammation and Neointimal Hyperplasia by Interaction With Free Fatty Acid Receptor 4 in Mice. Journal of the American Heart Association, 2015, 4, .	3.7	30
54	Phosphatidylinositol inhibits respiratory syncytial virus infection. Journal of Lipid Research, 2015, 56, 578-587.	4.2	28

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55	Evidence for an N-methyl transfer reaction in phosphatidylcholines with a terminal aldehyde during negative electrospray ionization tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 5045-5052.	3.7	3
56	Influenza induces IL-8 and GM-CSF secretion by human alveolar epithelial cells through HGF/c-Met and TGF-Î±/EGFR signaling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1178-L1188.	2.9	62
57	Biomarkers of NAFLD progression: a lipidomics approach to an epidemic. Journal of Lipid Research, 2015, 56, 722-736.	4.2	264
58	Specialized pro-resolving mediators: do they circulate in plasma?. Journal of Lipid Research, 2015, 56, 1641-1642.	4.2	17
59	The role of PGE2 in intestinal inflammation and tumorigenesis. Prostaglandins and Other Lipid Mediators, 2015, 116-117, 26-36.	1.9	75
60	Transcellular biosynthesis of eicosanoid lipid mediators. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 377-382.	2.4	71
61	Topical Photodynamic Therapy Induces Systemic Immunosuppression via Generation of Platelet-Activating Factor Receptor Ligands. Journal of Investigative Dermatology, 2015, 135, 321-323.	0.7	24
62	Diet-Gene Interactions and PUFA Metabolism: A Potential Contributor to Health Disparities and Human Diseases. Nutrients, 2014, 6, 1993-2022.	4.1	114
63	Proinflammatory Responses Induced by CD40 in Retinal Endothelial and Muller Cells are Inhibited by Blocking CD40-Traf2,3 or CD40-Traf6 Signaling. Investigative Ophthalmology and Visual Science, 2014, 55, 8590-8597.	3.3	23
64	Relationship between a Common Variant in the Fatty Acid Desaturase (FADS) Cluster and Eicosanoid Generation in Humans. Journal of Biological Chemistry, 2014, 289, 22482-22489.	3.4	59
65	Structural characterization of the pulmonary innate immune protein SPLUNC1 and identification of lipid ligands. FASEB Journal, 2014, 28, 5349-5360.	0.5	19
66	Chemotherapeutic Agents Subvert Tumor Immunity by Generating Agonists of Platelet-Activating Factor. Cancer Research, 2014, 74, 7069-7078.	0.9	37
67	Measurement of lysophospholipid acyltransferase activities using substrate competition. Journal of Lipid Research, 2014, 55, 782-791.	4.2	17
68	A phosphatidylinositol transfer protein integrates phosphoinositide signaling with lipid droplet metabolism to regulate a developmental program of nutrient stressâ€“induced membrane biogenesis. Molecular Biology of the Cell, 2014, 25, 712-727.	2.1	71
69	Schwann cell-derived Apolipoprotein D controls the dynamics of post-injury myelin recognition and degradation. Frontiers in Cellular Neuroscience, 2014, 8, 374.	3.7	23
70	Biomarkers for Personalizing Omega-3 Fatty Acid Dosing. Cancer Prevention Research, 2014, 7, 1011-1022.	1.5	16
71	Release and Capture of Bioactive Oxidized Phospholipids and Oxidized Cholesteryl Esters During Percutaneous Coronary and Peripheral Arterial Interventions in Humans. Journal of the American College of Cardiology, 2014, 63, 1961-1971.	2.8	88
72	Platelet Lipidomics. Circulation Research, 2014, 114, 1185-1203.	4.5	121

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73	Inhibition of macrophage fatty acid Î²-oxidation exacerbates palmitate-induced inflammatory and endoplasmic reticulum stress responses. Diabetologia, 2014, 57, 1067-1077.	6.3	64
74	Lysophospholipid acyltransferases and eicosanoid biosynthesis in zebrafish myeloid cells. Prostaglandins and Other Lipid Mediators, 2014, 113-115, 52-61.	1.9	39
75	Spatial organization of lipids in the human retina and optic nerve by MALDI imaging mass spectrometry. Journal of Lipid Research, 2014, 55, 504-515.	4.2	85
76	Blocking leukotriene synthesis attenuates the pathophysiology of traumatic brain injury and associated cognitive deficits. Experimental Neurology, 2014, 256, 7-16.	4.1	41
77	Delta-6-desaturase Links Polyunsaturated Fatty Acid Metabolism With Phospholipid Remodeling and Disease Progression in Heart Failure. Circulation: Heart Failure, 2014, 7, 172-183.	3.9	41
78	Mechanism of Formation of the Major Estradiol Product Ions Following Collisional Activation of the Molecular Anion in a Tandem Quadrupole Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2013, 24, 1451-1455.	2.8	15
79	25-Hydroxycholesterol Activates the Integrated Stress Response to Reprogram Transcription and Translation in Macrophages. Journal of Biological Chemistry, 2013, 288, 35812-35823.	3.4	64
80	Neutrophils Regulate Tissue Neutrophilia in Inflammation via the Oxidant-modified Lipid Lysophosphatidylserine. Journal of Biological Chemistry, 2013, 288, 4583-4593.	3.4	46
81	The Oxidant-Modified Lipid Lysophosphatidylserine (lysoPS) Made by Exudate Neutrophils Limits Neutrophil Accumulation in Vivo. Journal of Allergy and Clinical Immunology, 2013, 131, AB139.	2.9	0
82	Phosphatidylglycerol provides short-term prophylaxis against respiratory syncytial virus infection. Journal of Lipid Research, 2013, 54, 2133-2143.	4.2	45
83	Human platelets generate phospholipid-esterified prostaglandins via cyclooxygenase-1 that are inhibited by low dose aspirin supplementation. Journal of Lipid Research, 2013, 54, 3085-3097.	4.2	44
84	Major urinary metabolites of 6-keto-prostaglandin F2Î± in mice. Journal of Lipid Research, 2013, 54, 1906-1914.	4.2	9
85	Leukocytes regulate retinal capillary degeneration in the diabetic mouse via generation of leukotrienes. Journal of Leukocyte Biology, 2013, 93, 135-143.	3.3	39
86	Analysis of inflammatory and lipid metabolic networks across RAW264.7 and thioglycolate-elicited macrophages. Journal of Lipid Research, 2013, 54, 2525-2542.	4.2	41
87	Characterization of platelet aminophospholipid externalization reveals fatty acids as molecular determinants that regulate coagulation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5875-5880.	7.1	62
88	Cytosolic Phospholipase A2Î± and Eicosanoids Regulate Expression of Genes in Macrophages Involved in Host Defense and Inflammation. PLoS ONE, 2013, 8, e69002.	2.5	38
89	Eicosanoid Profiling in an Orthotopic Model of Lung Cancer Progression by Mass Spectrometry Demonstrates Selective Production of Leukotrienes by Inflammatory Cells of the Microenvironment. PLoS ONE, 2013, 8, e79633.	2.5	50
90	Macrophage 12/15 lipoxygenase expression increases plasma and hepatic lipid levels and exacerbates atherosclerosis. Journal of Lipid Research, 2012, 53, 686-695.	4.2	36

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91	Dietary linoleate preserves cardiolipin and attenuates mitochondrial dysfunction in the failing rat heart. Cardiovascular Research, 2012, 94, 460-468.	3.8	51
92	Cholesteryl ester acyl oxidation and remodeling in murine macrophages: formation of oxidized phosphatidylcholine. Journal of Lipid Research, 2012, 53, 1588-1597.	4.2	38
93	The cysteinyl leukotriene 2 receptor mediates retinal edema and pathological neovascularization in a murine model of oxygenâ€induced retinopathy. FASEB Journal, 2012, 26, 1100-1109.	0.5	22
94	Platelet-activating Factor Receptor Agonists Mediate Xeroderma Pigmentosum A Photosensitivity. Journal of Biological Chemistry, 2012, 287, 9311-9321.	3.4	24
95	The 5-Lipoxygenase Pathway Is Required for Acute Lung Injury Following Hemorrhagic Shock. Shock, 2012, 37, 599-604.	2.1	14
96	Phosphatidylinositol Is A New Anionic Lipid Antagonist Of Respiratory Syncytial Virus Infections. , 2012, , .		1
97	Regulated Accumulation of Desmosterol Integrates Macrophage Lipid Metabolism and Inflammatory Responses. Cell, 2012, 151, 138-152.	28.9	487
98	New families of bioactive oxidized phospholipids generated by immune cells: identification and signaling actions. Blood, 2012, 120, 1985-1992.	1.4	79
99	Mammalian fatty acid synthase activity from crude tissue lysates tracing 13C-labeled substrates using gas chromatographyâ€“mass spectrometry. Analytical Biochemistry, 2012, 428, 158-166.	2.4	21
100	A complex <scp>LuxRâ€“LuxI</scp> type quorum sensing network in a roseobacterial marine sponge symbiont activates flagellar motility and inhibits biofilm formation. Molecular Microbiology, 2012, 86, 500-500.	2.5	0
101	Group IVA phospholipase A₂ is necessary for growth cone repulsion and collapse. Journal of Neurochemistry, 2012, 120, 974-984.	3.9	7
102	A complex LuxRâ€“LuxI type quorum sensing network in a roseobacterial marine sponge symbiont activates flagellar motility and inhibits biofilm formation. Molecular Microbiology, 2012, 85, 916-933.	2.5	75
103	STRUCTURAL ANALOGS OF PULMONARY SURFACTANT PHOSPHATIDYLGLYCEROL ANTAGONIZE ACTIVATION OF TOLLâ€LIKE RECEPTORS 2 AND 4. FASEB Journal, 2012, 26, lb224.	0.5	0
104	MALDI Imaging of Lipid Biochemistry in Tissues by Mass Spectrometry. Chemical Reviews, 2011, 111, 6491-6512.	47.7	320
105	MALDI imaging of lipids after matrix sublimation/deposition. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 970-975.	2.4	57
106	Glycerolipid and cholesterol ester analyses in biological samples by mass spectrometry. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 776-783.	2.4	45
107	Lipidomics and Imaging Mass Spectrometry. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 635-636.	2.4	22
108	Lipid Mediators in Cerebral Spinal Fluid of Traumatic Brain Injured Patients. Journal of Trauma, 2011, 71, 1211-1218.	2.3	45

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109	Analysis of diacylglycerol molecular species in cellular lipid extracts by normal-phase LC-electrospray mass spectrometry. International Journal of Mass Spectrometry, 2011, 305, 103-108.	1.5	57
110	Electrospray MS/MS reveals extensive and nonspecific oxidation of cholesterol esters in human peripheral vascular lesions. Journal of Lipid Research, 2011, 52, 2070-2083.	4.2	68
111	New Applications of Mass Spectrometry in Lipid Analysis. Journal of Biological Chemistry, 2011, 286, 25427-25433.	3.4	51
112	Peroxide Bond Driven Dissociation of Hydroperoxy-Cholesterol Esters Following Collision Induced Dissociation. Journal of the American Society for Mass Spectrometry, 2011, 22, 867-874.	2.8	9
113	MALDI Mass Spectrometric Imaging of Lipids in Rat Brain Injury Models. Journal of the American Society for Mass Spectrometry, 2011, 22, 1014-21.	2.8	131
114	Mass spectrometric analysis of longâ€chain lipids. Mass Spectrometry Reviews, 2011, 30, 579-599.	5.4	201
115	Signaling via Macrophage G2A Enhances Efferocytosis of Dying Neutrophils by Augmentation of Rac Activity. Journal of Biological Chemistry, 2011, 286, 12108-12122.	3.4	81
116	Pulmonary Surfactant Phosphatidylglycerol Inhibits Mycoplasma pneumoniae-stimulated Eicosanoid Production from Human and Mouse Macrophages. Journal of Biological Chemistry, 2011, 286, 7841-7853.	3.4	65
117	MALDI imaging MS of phospholipids in the mouse lung. Journal of Lipid Research, 2011, 52, 1551-1560.	4.2	83
118	Persistent pulmonary hypertension results in reduced tetralinoleoyl-cardiolipin and mitochondrial complex II + III during the development of right ventricular hypertrophy in the neonatal pig heart. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1415-H1424.	3.2	23
119	Characterization of Oxidized Phosphatidylethanolamine Derived from RAW 264.7 Cells Using 4-(Dimethylamino) Benzoic Acid Derivatives. European Journal of Mass Spectrometry, 2010, 16, 463-470.	1.0	15
120	Apoptosis induced by ozone and oxysterols in human alveolar epithelial cells. Free Radical Biology and Medicine, 2010, 48, 1513-1524.	2.9	63
121	Quantitative assays for esterified oxylipins generated by immune cells. Nature Protocols, 2010, 5, 1919-1931.	12.0	50
122	Increased Synthesis of Leukotrienes in the Mouse Model of Diabetic Retinopathy. , 2010, 51, 1699.		50
123	Sphingolipid distribution changes with age in the human lens. Journal of Lipid Research, 2010, 51, 2753-2760.	4.2	66
124	Phospholipid-esterified Eicosanoids Are Generated in Agonist-activated Human Platelets and Enhance Tissue Factor-dependent Thrombin Generation. Journal of Biological Chemistry, 2010, 285, 6891-6903.	3.4	115
125	Lithium modifies brain arachidonic and docosahexaenoic metabolism in rat lipopolysaccharide model of neuroinflammation. Journal of Lipid Research, 2010, 51, 1049-1056.	4.2	48
126	Quantitative analysis of phospholipids containing arachidonate and docosahexaenoate chains in microdissected regions of mouse brain. Journal of Lipid Research, 2010, 51, 660-671.	4.2	47

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127	A Mouse Macrophage Lipidome. Journal of Biological Chemistry, 2010, 285, 39976-39985.	3.4	260
128	The role of calcium-independent phospholipase A2 in cardiolipin remodeling in the spontaneously hypertensive heart failure rat heart. Journal of Lipid Research, 2010, 51, 525-534.	4.2	60
129	Pathways Regulating Cytosolic Phospholipase A2 Activation and Eicosanoid Production in Macrophages by Candida albicans. Journal of Biological Chemistry, 2010, 285, 30676-30685.	3.4	55
130	Joint Tissues Amplify Inflammation and Alter Their Invasive Behavior via Leukotriene B4 in Experimental Inflammatory Arthritis. Journal of Immunology, 2010, 185, 5503-5511.	0.8	32
131	Cytosolic Phospholipase A₂ Activation by Candida albicans in Alveolar Macrophages. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 415-423.	2.9	24
132	Transcellular biosynthesis of eicosanoids. Pharmacological Reports, 2010, 62, 503-510.	3.3	97
133	Low-Concentration Ozone Reacts with Plasmalogen Glycerophosphoethanolamine Lipids in Lung Surfactant. Chemical Research in Toxicology, 2010, 23, 108-117.	3.3	47
134	Relationship between MALDI IMS Intensity and Measured Quantity of Selected Phospholipids in Rat Brain Sections. Analytical Chemistry, 2010, 82, 8476-8484.	6.5	65
135	Lipidomics reveals a remarkable diversity of lipids in human plasma. Journal of Lipid Research, 2010, 51, 3299-3305.	4.2	1,071
136	Isoprostane nomenclature: More suggestions. Prostaglandins Leukotrienes and Essential Fatty Acids, 2010, 82, 69-70.	2.2	6
137	Heat generates oxidized linoleic acid metabolites that activate TRPV1 and produce pain in rodents. Journal of Clinical Investigation, 2010, 120, 1617-1626.	8.2	206
138	Imaging of lipid species by MALDI mass spectrometry. Journal of Lipid Research, 2009, 50, S317-S322.	4.2	253
139	Dual 12/15- and 5-Lipoxygenase Deficiency in Macrophages Alters Arachidonic Acid Metabolism and Attenuates Peritonitis and Atherosclerosis in ApoE Knock-out Mice. Journal of Biological Chemistry, 2009, 284, 21077-21089.	3.4	71
140	The Cardioprotective Effects of Fish Oil During Pressure Overload Are Blocked by High Fat Intake. Hypertension, 2009, 54, 605-611.	2.7	39
141	Selective decrease of bis(monoacylglycero)phosphate content in macrophages by high supplementation with docosahexaenoic acid. Journal of Lipid Research, 2009, 50, 243-255.	4.2	38
142	Transcellular biosynthesis of cysteinyl leukotrienes in vivo during mouse peritoneal inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8296-8301.	7.1	78
143	Determination of leukotriene A4 stabilization by S100A8/A9 proteins using mass spectrometry. Journal of Lipid Research, 2009, 50, 2064-2071.	4.2	7
144	Injury-Related Production of Cysteinyl Leukotrienes Contributes to Brain Damage following Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2009, 26, 1977-1986.	3.4	34

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145	DrosophilaLysophospholipid Acyltransferases Are Specifically Required for Germ Cell Development. Molecular Biology of the Cell, 2009, 20, 5224-5235.	2.1	34
146	Working towards an exegesis for lipids in biology. Nature Chemical Biology, 2009, 5, 602-606.	8.0	123
147	Update of the LIPID MAPS comprehensive classification system for lipids. Journal of Lipid Research, 2009, 50, S9-S14.	4.2	1,300
148	Stable Isotope Labeled 4-(Dimethylamino)benzoic Acid Derivatives of Glycerophosphoethanolamine Lipids. Analytical Chemistry, 2009, 81, 6633-6640.	6.5	32
149	Dietary Ï‰-3 fatty acids alter cardiac mitochondrial phospholipid composition and delay Ca2+-induced permeability transition. Journal of Molecular and Cellular Cardiology, 2009, 47, 819-827.	1.9	90
150	Effects of Acrolein on Leukotriene Biosynthesis in Human Neutrophils. Chemical Research in Toxicology, 2008, 21, 2424-2432.	3.3	11
151	Oxidized Lipids Formed Non-enzymatically by Reactive Oxygen Species. Journal of Biological Chemistry, 2008, 283, 15513-15514.	3.4	39
152	The eicosanoids: cyclooxygenase, lipoxygenase, and epoxygenase pathways. , 2008, , 331-362.		17
153	Linoleate-Rich High-Fat Diet Decreases Mortality in Hypertensive Heart Failure Rats Compared With Lard and Low-Fat Diets. Hypertension, 2008, 52, 549-555.	2.7	62
154	Separation of cellular nonpolar neutral lipids by normal-phase chromatography and analysis by electrospray ionization mass spectrometry. Journal of Lipid Research, 2008, 49, 804-813.	4.2	117
155	NADPH Oxidase-dependent Generation of Lysophosphatidylserine Enhances Clearance of Activated and Dying Neutrophils via G2A. Journal of Biological Chemistry, 2008, 283, 33736-33749.	3.4	97
156	Cholesterol, Reactive Oxygen Species, and the Formation of Biologically Active Mediators. Journal of Biological Chemistry, 2008, 283, 15521-15525.	3.4	155
157	Formation of eicosanoids, E2/D2 isoprostanes, and docosanoids following decapitation-induced ischemia, measured in high-energy-microwaved rat brain. Journal of Lipid Research, 2008, 49, 1990-2000.	4.2	71
158	Low-Intensity Exercise Training Delays Heart Failure and Improves Survival in Female Hypertensive Heart Failure Rats. Hypertension, 2008, 51, 1096-1102.	2.7	68
159	Lysophospholipid Acyltransferases and Arachidonate Recycling in Human Neutrophils. Journal of Biological Chemistry, 2008, 283, 30235-30245.	3.4	178
160	List of contributors**Authorsâ€™ names are followed by the starting page number(s) of their contribution(s).. , 2008, , vii-x.		0
161	Pulmonary surfactant phosphatidyl glycerol inhibits Mycoplasma pneumoniae stimulated eicosanoid production from human alveolar macrophages and mouse RAW264.7 macrophages. FASEB Journal, 2008, 22, 1037.4.	0.5	0
162	The uptake and metabolism of lysoâ€phospholipids by Saccharomyces cerevisiae. FASEB Journal, 2008, 22, 1042.1.	0.5	0

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163	Lysophosphatidylcholine Metabolism in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2007, 282, 36853-36861.	3.4	107
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