

Makoto Arita

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190
papers

14,226
citations

63
h-index

117
g-index

203
ext. papers

16,556
ext. citations

7.5
avg, IF

6.27
L-index

#	Paper	IF	Citations
190	Resolvin E1 and protectin D1 activate inflammation-resolution programmes. <i>Nature</i> , 2007 , 447, 869-74	50.4	904
189	Stereochemical assignment, antiinflammatory properties, and receptor for the omega-3 lipid mediator resolvin E1. <i>Journal of Experimental Medicine</i> , 2005 , 201, 713-22	16.6	728
188	Molecular circuits of resolution: formation and actions of resolvins and protectins. <i>Journal of Immunology</i> , 2005 , 174, 4345-55	5.3	564
187	Ataxia with isolated vitamin E deficiency is caused by mutations in the alpha-tocopherol transfer protein. <i>Nature Genetics</i> , 1995 , 9, 141-5	36.3	506
186	Resolvin E1, an endogenous lipid mediator derived from omega-3 eicosapentaenoic acid, protects against 2,4,6-trinitrobenzene sulfonic acid-induced colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7671-6	11.5	493
185	Affinity for alpha-tocopherol transfer protein as a determinant of the biological activities of vitamin E analogs. <i>FEBS Letters</i> , 1997 , 409, 105-8	3.8	491
184	Resolvin E1 selectively interacts with leukotriene B4 receptor BLT1 and ChemR23 to regulate inflammation. <i>Journal of Immunology</i> , 2007 , 178, 3912-7	5.3	472
183	RvE1 protects from local inflammation and osteoclast-mediated bone destruction in periodontitis. <i>FASEB Journal</i> , 2006 , 20, 401-3	0.9	318
182	The lipid mediator protectin D1 inhibits influenza virus replication and improves severe influenza. <i>Cell</i> , 2013 , 153, 112-25	56.2	315
181	Development and application of a near-infrared fluorescence probe for oxidative stress based on differential reactivity of linked cyanine dyes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2795-801	16.4	276
180	Resolvins, docosatrienes, and neuroprotectins, novel omega-3-derived mediators, and their endogenous aspirin-triggered epimers. <i>Lipids</i> , 2004 , 39, 1125-32	1.6	268
179	Resolvins, docosatrienes, and neuroprotectins, novel omega-3-derived mediators, and their aspirin-triggered endogenous epimers: an overview of their protective roles in catabasis. <i>Prostaglandins and Other Lipid Mediators</i> , 2004 , 73, 155-72	3.7	226
178	Polyunsaturated fatty acid saturation by gut lactic acid bacteria affecting host lipid composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17808-13	11.5	221
177	Delayed-onset ataxia in mice lacking alpha-tocopherol transfer protein: model for neuronal degeneration caused by chronic oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 15185-90	11.5	220
176	Cardioprotective mechanism of omega-3 polyunsaturated fatty acids. <i>Journal of Cardiology</i> , 2016 , 67, 22-7	3	198
175	Gut Microbiota Promotes Obesity-Associated Liver Cancer through PGE-Mediated Suppression of Antitumor Immunity. <i>Cancer Discovery</i> , 2017 , 7, 522-538	24.4	198
174	Resolvin E1 receptor activation signals phosphorylation and phagocytosis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3451-61	5.4	187

173	Resolvin E2: identification and anti-inflammatory actions: pivotal role of human 5-lipoxygenase in resolvin E series biosynthesis. <i>Chemistry and Biology</i> , 2006 , 13, 1193-202		187
172	Anti-inflammatory circuitry: lipoxin, aspirin-triggered lipoxins and their receptor ALX. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2005 , 73, 163-77	2.8	186
171	Resolvin E1, an EPA-derived mediator in whole blood, selectively counterregulates leukocytes and platelets. <i>Blood</i> , 2008 , 112, 848-55	2.2	182
170	The anti-inflammatory and proresolving mediator resolvin E1 protects mice from bacterial pneumonia and acute lung injury. <i>Journal of Immunology</i> , 2010 , 184, 836-43	5.3	169
169	Adult-onset spinocerebellar dysfunction caused by a mutation in the gene for the alpha-tocopherol-transfer protein. <i>New England Journal of Medicine</i> , 1995 , 333, 1313-8	59.2	169
168	Identification and structure determination of novel anti-inflammatory mediator resolvin E3, 17,18-dihydroxyeicosapentaenoic acid. <i>Journal of Biological Chemistry</i> , 2012 , 287, 10525-10534	5.4	167
167	Aspirin-triggered lipoxin A4 and B4 analogs block extracellular signal-regulated kinase-dependent TNF-alpha secretion from human T cells. <i>Journal of Immunology</i> , 2003 , 170, 6266-72	5.3	167
166	Human ALX receptor regulates neutrophil recruitment in transgenic mice: roles in inflammation and host defense. <i>FASEB Journal</i> , 2003 , 17, 652-9	0.9	160
165	Resolvin E1 promotes mucosal surface clearance of neutrophils: a new paradigm for inflammatory resolution. <i>FASEB Journal</i> , 2007 , 21, 3162-70	0.9	158
164	MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines. <i>Journal of Lipid Research</i> , 2018 , 59, 2001-2017	6.3	146
163	Alpha-tocopherol transfer protein is important for the normal development of placental labyrinthine trophoblasts in mice. <i>Journal of Biological Chemistry</i> , 2001 , 276, 1669-72	5.4	143
162	Different functional aspects of the group II subfamily (Types IIA and V) and type X secretory phospholipase A(2)s in regulating arachidonic acid release and prostaglandin generation. Implications of cyclooxygenase-2 induction and phospholipid scramblase-mediated cellular membrane perturbation. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31185-11	5.4	143
161	A lipidome atlas in MS-DIAL 4. <i>Nature Biotechnology</i> , 2020 , 38, 1159-1163	44.5	141
160	A gut microbial metabolite of linoleic acid, 10-hydroxy-cis-12-octadecenoic acid, ameliorates intestinal epithelial barrier impairment partially via GPR40-MEK-ERK pathway. <i>Journal of Biological Chemistry</i> , 2015 , 290, 2902-18	5.4	134
159	Transgenic restoration of long-chain n-3 fatty acids in insulin target tissues improves resolution capacity and alleviates obesity-linked inflammation and insulin resistance in high-fat-fed mice. <i>Diabetes</i> , 2010 , 59, 3066-73	0.9	133
158	Maternal gut microbiota in pregnancy influences offspring metabolic phenotype in mice. <i>Science</i> , 2020 , 367,	33.3	126
157	Anti-angiogenesis effect of the novel anti-inflammatory and pro-resolving lipid mediators 2009 , 50, 4743-52		124
156	Role of omega-3 fatty acids and their metabolites in asthma and allergic diseases. <i>Allergy International</i> , 2015 , 64, 27-34	4.4	123

155	Resolvin E1, an endogenous lipid mediator derived from eicosapentaenoic acid, prevents dextran sulfate sodium-induced colitis. <i>Inflammatory Bowel Diseases</i> , 2010 , 16, 87-95	4.5	120
154	Metabolic inactivation of resolvin E1 and stabilization of its anti-inflammatory actions. <i>Journal of Biological Chemistry</i> , 2006 , 281, 22847-54	5.4	120
153	Friedreich-like ataxia with retinitis pigmentosa caused by the His101Gln mutation of the alpha-tocopherol transfer protein gene. <i>Annals of Neurology</i> , 1997 , 41, 826-32	9.4	116
152	Leukotriene B4 and lipoxin A4 are regulatory signals for neural stem cell proliferation and differentiation. <i>FASEB Journal</i> , 2006 , 20, 1785-92	0.9	114
151	Eosinophils promote resolution of acute peritonitis by producing proresolving mediators in mice. <i>FASEB Journal</i> , 2011 , 25, 561-8	0.9	112
150	Gut microbiota confers host resistance to obesity by metabolizing dietary polyunsaturated fatty acids. <i>Nature Communications</i> , 2019 , 10, 4007	17.4	111
149	18-HEPE, an n-3 fatty acid metabolite released by macrophages, prevents pressure overload-induced maladaptive cardiac remodeling. <i>Journal of Experimental Medicine</i> , 2014 , 211, 1673-87	16.6	106
148	alpha-tocopherol transfer protein stimulates the secretion of alpha-tocopherol from a cultured liver cell line through a brefeldin A-insensitive pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 12437-41	11.5	103
147	The contributions of aspirin and microbial oxygenase to the biosynthesis of anti-inflammatory resolvins: novel oxygenase products from omega-3 polyunsaturated fatty acids. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 149-57	3.4	101
146	Lipoxin A4 and aspirin-triggered 15-epi-lipoxin A4 inhibit human neutrophil migration: comparisons between synthetic 15 epimers in chemotaxis and transmigration with microvessel endothelial cells and epithelial cells. <i>Journal of Immunology</i> , 2003 , 170, 2688-94	5.3	100
145	Mediator lipidomics in acute inflammation and resolution. <i>Journal of Biochemistry</i> , 2012 , 152, 313-9	3.1	99
144	Dysregulated synthesis of protectin D1 in eosinophils from patients with severe asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 131, 353-60.e1-2	11.5	96
143	Lipidomic analysis of brain tissues and plasma in a mouse model expressing mutated human amyloid precursor protein/tau for Alzheimer's disease. <i>Lipids in Health and Disease</i> , 2013 , 12, 68	4.4	91
142	Supernatant protein factor, which stimulates the conversion of squalene to lanosterol, is a cytosolic squalene transfer protein and enhances cholesterol biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 2244-9	11.5	89
141	Mast cell maturation is driven via a group III phospholipase A2-prostaglandin D2-DP1 receptor paracrine axis. <i>Nature Immunology</i> , 2013 , 14, 554-63	19.1	87
140	Localization of alpha-tocopherol transfer protein in rat brain. <i>Neuroscience Letters</i> , 1998 , 256, 159-62	3.3	87
139	Eosinophil-mediated signalling attenuates inflammatory responses in experimental colitis. <i>Gut</i> , 2015 , 64, 1236-47	19.2	85
138	LPIAT1 regulates arachidonic acid content in phosphatidylinositol and is required for cortical lamination in mice. <i>Molecular Biology of the Cell</i> , 2012 , 23, 4689-700	3.5	85

137	Dietary β fatty acid exerts anti-allergic effect through the conversion to 17,18-epoxyeicosatetraenoic acid in the gut. <i>Scientific Reports</i> , 2015 , 5, 9750	4.9	84
136	Lymphoid tissue phospholipase A2 group IID resolves contact hypersensitivity by driving antiinflammatory lipid mediators. <i>Journal of Experimental Medicine</i> , 2013 , 210, 1217-34	16.6	83
135	Neuroprotectin D1/protectin D1 stereoselective and specific binding with human retinal pigment epithelial cells and neutrophils. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010 , 82, 27-34	2.8	83
134	<i>Candida albicans</i> modulates host defense by biosynthesizing the pro-resolving mediator resolvin E1. <i>PLoS ONE</i> , 2007 , 2, e1316	3.7	80
133	Omega-3 PUFA derived anti-inflammatory lipid mediator resolvin E1. <i>Prostaglandins and Other Lipid Mediators</i> , 2009 , 89, 126-30	3.7	79
132	PNPLA1 has a crucial role in skin barrier function by directing acylceramide biosynthesis. <i>Nature Communications</i> , 2017 , 8, 14609	17.4	75
131	Resolvin E1 inhibits dendritic cell migration in the skin and attenuates contact hypersensitivity responses. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1921-30	16.6	74
130	A novel rat lipoxin A4 receptor that is conserved in structure and function. <i>British Journal of Pharmacology</i> , 2003 , 139, 89-98	8.6	73
129	The arachidonic acid metabolome serves as a conserved regulator of cholesterol metabolism. <i>Cell Metabolism</i> , 2014 , 20, 787-798	24.6	72
128	Total synthesis and bioactivity of resolvin E2. <i>Organic Letters</i> , 2009 , 11, 3602-5	6.2	69
127	Lipoxin A(4) reduces lipopolysaccharide-induced inflammation in macrophages and intestinal epithelial cells through inhibition of nuclear factor-kappaB activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 332, 541-8	4.7	62
126	n-3 fatty acids effectively improve the reference memory-related learning ability associated with increased brain docosahexaenoic acid-derived docosanoids in aged rats. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 203-9	5	59
125	Emerging roles of eosinophils and eosinophil-derived lipid mediators in the resolution of inflammation. <i>Frontiers in Immunology</i> , 2012 , 3, 270	8.4	59
124	Senolysis by glutaminolysis inhibition ameliorates various age-associated disorders. <i>Science</i> , 2021 , 371, 265-270	33.3	58
123	Basophils regulate the recruitment of eosinophils in a murine model of irritant contact dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 100-7	11.5	57
122	A stable aspirin-triggered lipoxin A4 analog blocks phosphorylation of leukocyte-specific protein 1 in human neutrophils. <i>Journal of Immunology</i> , 2004 , 173, 2091-8	5.3	57
121	pH-dependent translocation of alpha-tocopherol transfer protein (alpha-TTP) between hepatic cytosol and late endosomes. <i>Genes To Cells</i> , 2003 , 8, 789-800	2.3	57
120	Heterogeneous fibroblasts underlie age-dependent tertiary lymphoid tissues in the kidney. <i>JCI Insight</i> , 2016 , 1, e87680	9.9	57

119	Omega-3 fatty acid-derived mediators that control inflammation and tissue homeostasis. <i>International Immunology</i> , 2019 , 31, 559-567	4.9	56
118	Global metabolomic analysis of heart tissue in a hamster model for dilated cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 59, 76-85	5.8	51
117	Stereochemical assignment and anti-inflammatory properties of the omega-3 lipid mediator resolvin E3. <i>Journal of Biochemistry</i> , 2013 , 153, 355-60	3.1	49
116	Resolvin D1 enhances the resolution of lung inflammation caused by long-term <i>Pseudomonas aeruginosa</i> infection. <i>Mucosal Immunology</i> , 2018 , 11, 35-49	9.2	48
115	Matrix metalloproteinase (MMP)-9 in cancer-associated fibroblasts (CAFs) is suppressed by omega-3 polyunsaturated fatty acids in vitro and in vivo. <i>PLoS ONE</i> , 2014 , 9, e89605	3.7	46
114	Electrophysiologic effects of diltiazem, a new slow channel inhibitor, on canine cardiac fibers. <i>International Heart Journal</i> , 1977 , 18, 235-45		45
113	Maternal dietary imbalance between omega-6 and omega-3 polyunsaturated fatty acids impairs neocortical development via epoxy metabolites. <i>Stem Cells</i> , 2016 , 34, 470-82	5.8	43
112	Functional properties of sinocaval conduction. <i>The Japanese Journal of Physiology</i> , 1967 , 17, 174-89		40
111	Comprehensive identification of sphingolipid species by in silico retention time and tandem mass spectral library. <i>Journal of Cheminformatics</i> , 2017 , 9, 19	8.6	39
110	Regulation of intestinal IgA responses by dietary palmitic acid and its metabolism. <i>Journal of Immunology</i> , 2014 , 193, 1666-71	5.3	37
109	Eicosapentaenoic acid is converted via β epoxygenation to the anti-inflammatory metabolite 12-hydroxy-17,18-epoxyeicosatetraenoic acid. <i>FASEB Journal</i> , 2014 , 28, 586-93	0.9	37
108	Total synthesis and bioactivities of two proposed structures of maresin. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 534-43	4.5	36
107	Dysregulated fatty acid metabolism in nasal polyp-derived eosinophils from patients with chronic rhinosinusitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019 , 74, 1113-1124	9.3	35
106	Endogenous receptor agonists: resolving inflammation. <i>Scientific World Journal, The</i> , 2007 , 7, 1440-62	2.2	35
105	Binding of alpha-tocopherylquinone, an oxidized form of alpha-tocopherol, to glutathione-S-transferase in the liver cytosol. <i>FEBS Letters</i> , 1998 , 436, 424-6	3.8	34
104	Omega-3 fatty acid epoxides are autocrine mediators that control the magnitude of IgE-mediated mast cell activation. <i>Nature Medicine</i> , 2017 , 23, 1287-1297	50.5	33
103	Increased tissue levels of omega-3 polyunsaturated fatty acids prevents pathological preterm birth. <i>Scientific Reports</i> , 2013 , 3, 3113	4.9	33
102	Comprehensive analyses of oxidized phospholipids using a measured MS/MS spectra library. <i>Journal of Lipid Research</i> , 2017 , 58, 2229-2237	6.3	32

101	Eosinophils control the resolution of inflammation and draining lymph node hypertrophy through the proresolving mediators and CXCL13 pathway in mice. <i>FASEB Journal</i> , 2014 , 28, 4036-43	0.9	32
100	Omega-3 polyunsaturated Fatty acids suppress the cystic lesion formation of peritoneal endometriosis in transgenic mouse models. <i>PLoS ONE</i> , 2013 , 8, e73085	3.7	31
99	Autotaxin-lysophosphatidic acid-LPA signaling at the embryo-epithelial boundary controls decidualization pathways. <i>EMBO Journal</i> , 2017 , 36, 2146-2160	13	29
98	Reduction of lipid accumulation rescues Biettiβ crystalline dystrophy phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3936-3941	11.5	29
97	Identification and functional characterization of a presqualene diphosphate phosphatase. <i>Journal of Biological Chemistry</i> , 2006 , 281, 9490-7	5.4	29
96	Inflammation and resolution are associated with upregulation of fatty acid βoxidation in Zymosan-induced peritonitis. <i>PLoS ONE</i> , 2013 , 8, e66270	3.7	29
95	Characterization of Lipid Profiles after Dietary Intake of Polyunsaturated Fatty Acids Using Integrated Untargeted and Targeted Lipidomics. <i>Metabolites</i> , 2019 , 9,	5.6	28
94	Effect of alpha-tocopherol status on alpha-tocopherol transfer protein expression and its messenger RNA level in rat liver. <i>Free Radical Research</i> , 1998 , 28, 87-92	4	28
93	Age-related changes of alpha-tocopherol transfer protein expression in rat liver. <i>Journal of Nutritional Science and Vitaminology</i> , 1996 , 42, 11-8	1.1	28
92	The 17,18-epoxyeicosatetraenoic acid-G protein-coupled receptor 40 axis ameliorates contact hypersensitivity by inhibiting neutrophil mobility in mice and cynomolgus macaques. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 470-484.e12	11.5	26
91	A bacterial metabolite ameliorates periodontal pathogen-induced gingival epithelial barrier disruption via GPR40 signaling. <i>Scientific Reports</i> , 2018 , 8, 9008	4.9	25
90	Resolvin E1 maintains macrophage function under cigarette smoke-induced oxidative stress. <i>FEBS Open Bio</i> , 2012 , 2, 328-33	2.7	25
89	Resolvins as regulators of the immune system. <i>Scientific World Journal, The</i> , 2010 , 10, 818-31	2.2	25
88	Combination therapy of 15-epi-lipoxin A4 with antibiotics protects mice from Escherichia coli-induced sepsis*. <i>Critical Care Medicine</i> , 2014 , 42, e288-95	1.4	24
87	Thromboxane A facilitates IL-17A production from Vβ17 T cells and promotes psoriatic dermatitis in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 680-683.e2	11.5	23
86	Preferential Incorporation of Administered Eicosapentaenoic Acid Into Thin-Cap Atherosclerotic Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1802-1816	9.4	23
85	Omega-3 fatty acids protect renal functions by increasing docosahexaenoic acid-derived metabolite levels in SHR.Cg-Lepr(cp)/NDmcr rats, a metabolic syndrome model. <i>Molecules</i> , 2014 , 19, 3247-63	4.8	23
84	Regulation of hepatic cholesterol synthesis by a novel protein (SPF) that accelerates cholesterol biosynthesis. <i>FASEB Journal</i> , 2006 , 20, 2642-4	0.9	21

83	Total Synthesis of Four Stereoisomers of (4Z,7Z,10Z,12E,16Z,18E)-14,20-Dihydroxy-4,7,10,12,16,18-docosahexaenoic Acid and Their Anti-inflammatory Activities. <i>Journal of Organic Chemistry</i> , 2015 , 80, 7713-26	4.2	20
82	Bidirectional crosstalk between neutrophils and adipocytes promotes adipose tissue inflammation. <i>FASEB Journal</i> , 2019 , 33, 11821-11835	0.9	20
81	Reciprocal regulation of STING and TCR signaling by mTORC1 for T-cell activation and function. <i>Life Science Alliance</i> , 2019 , 2,	5.8	19
80	Alveolar Macrophages Drive Hepatocellular Carcinoma Lung Metastasis by Generating Leukotriene B. <i>Journal of Immunology</i> , 2018 , 200, 1839-1852	5.3	18
79	Helicobacter pylori metabolites exacerbate gastritis through C-type lectin receptors. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	18
78	12-OH-17,18-Epoxyeicosatetraenoic acid alleviates eosinophilic airway inflammation in murine lungs. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018 , 73, 369-378	9.3	17
77	Identification of novel omega-3 fatty acid-derived bioactive metabolites based on a targeted lipidomics approach. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014 , 55, 79-84	3.1	17
76	Identification of 14,20-dihydroxy-docosahexaenoic acid as a novel anti-inflammatory metabolite. <i>Journal of Biochemistry</i> , 2014 , 156, 315-21	3.1	17
75	Neurite outgrowth stimulation by n-3 and n-6 PUFAs of phospholipids in apoE-containing lipoproteins secreted from glial cells. <i>Journal of Lipid Research</i> , 2015 , 56, 1880-90	6.3	16
74	Comprehensive analysis of the mouse cytochrome P450 family responsible for omega-3 epoxidation of eicosapentaenoic acid. <i>Scientific Reports</i> , 2018 , 8, 7954	4.9	16
73	The importance of bioinformatics for connecting data-driven lipidomics and biological insights. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 762-765	5	15
72	Factors related to the low resting membrane potentials of diseased human atrial muscles. <i>The Japanese Journal of Physiology</i> , 1987 , 37, 393-410		15
71	An omega-3 polyunsaturated fatty acid derivative, 18-HEPE, protects against CXCR4-associated melanoma metastasis. <i>Carcinogenesis</i> , 2018 , 39, 1380-1388	4.6	15
70	Mass Spectrometry Data Repository Enhances Novel Metabolite Discoveries with Advances in Computational Metabolomics. <i>Metabolites</i> , 2019 , 9,	5.6	14
69	Elucidation of Gut Microbiota-Associated Lipids Using LC-MS/MS and 16S rRNA Sequence Analyses. <i>iScience</i> , 2020 , 23, 101841	6.1	13
68	Electrophysiologic effects of phenothiazines on human atrial fibers. <i>International Heart Journal</i> , 1973 , 14, 398-405		13
67	Eosinophil polyunsaturated fatty acid metabolism and its potential control of inflammation and allergy. <i>Allergology International</i> , 2016 , 65 Suppl, S2-5	4.4	13
66	Dietary Omega-3 Fatty Acid Dampens Allergic Rhinitis via Eosinophilic Production of the Anti-Allergic Lipid Mediator 15-Hydroxyeicosapentaenoic Acid in Mice. <i>Nutrients</i> , 2019 , 11,	6.7	13

65	Cysteinyl leukotriene metabolism of human eosinophils in allergic disease. <i>Allergology International</i> , 2020 , 69, 28-34	4.4	13
64	Hyperoxidation of ether-linked phospholipids accelerates neutrophil extracellular trap formation. <i>Scientific Reports</i> , 2017 , 7, 16026	4.9	12
63	Immunomodulation with eicosapentaenoic acid supports the treatment of autoimmune small-vessel vasculitis. <i>Scientific Reports</i> , 2014 , 4, 6406	4.9	12
62	Prolonged activation of IL-5-producing ILC2 causes pulmonary arterial hypertrophy. <i>JCI Insight</i> , 2017 , 2, e90721	9.9	11
61	Chronic Arachidonic Acid Administration Decreases Docosahexaenoic Acid- and Eicosapentaenoic Acid-Derived Metabolites in Kidneys of Aged Rats. <i>PLoS ONE</i> , 2015 , 10, e0140884	3.7	11
60	Current state and future prospect of the therapeutic strategy targeting cysteinyl leukotriene metabolism in asthma. <i>Respiratory Investigation</i> , 2019 , 57, 534-543	3.4	10
59	A design strategy for small molecule-based targeted MRI contrast agents: their application for detection of atherosclerotic plaques. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 8611-8	3.9	10
58	Acyl-CoA synthetase 6 regulates long-chain polyunsaturated fatty acid composition of membrane phospholipids in spermatids and supports normal spermatogenic processes in mice. <i>FASEB Journal</i> , 2019 , 33, 14194-14203	0.9	9
57	Changes of hepatic lipid mediators associated with intake of high-fat diet for 12 weeks in endotoxemic rats using LC-ESI-MS/MS. <i>Clinical Nutrition</i> , 2015 , 34, 685-93	5.9	9
56	Effects of long-term oral administration of arachidonic acid and docosahexaenoic acid on the immune functions of young rats. <i>Nutrients</i> , 2013 , 5, 1949-61	6.7	9
55	Spontaneous electrical activity induced by depolarizing currents in canine ventricular myocardium. A preliminary note. <i>International Heart Journal</i> , 1976 , 17, 246-57		9
54	Surface layer ATP-related contraction in isolated, superfused canine ventricular papillary muscle: an isotachophoretic analysis. <i>The Japanese Journal of Physiology</i> , 1982 , 32, 895-910		8
53	MS-DIAL 4: accelerating lipidomics using an MS/MS, CCS, and retention time atlas		8
52	Transomics analysis reveals allosteric and gene regulation axes for altered hepatic glucose-responsive metabolism in obesity. <i>Science Signaling</i> , 2020 , 13,	8.8	8
51	Eosinophils promote corneal wound healing via the 12/15-lipoxygenase pathway. <i>FASEB Journal</i> , 2020 , 34, 12492-12501	0.9	8
50	Lipidomics links oxidized phosphatidylcholines and coronary arteritis in Kawasaki disease. <i>Cardiovascular Research</i> , 2021 , 117, 96-108	9.9	8
49	Filopodium-derived vesicles produced by MIM enhance the migration of recipient cells. <i>Developmental Cell</i> , 2021 , 56, 842-859.e8	10.2	8
48	Nicainoprol. <i>Cardiovascular Drug Reviews</i> , 1991 , 9, 223-236		7

47	The effects of chlorpromazine on the electrical and mechanical activities of the isolated guinea pig heart. <i>International Heart Journal</i> , 1970 , 11, 391-9		7
46	Effects of verapamil and its optical isomers on repetitive slow responses induced by electrical depolarization in canine ventricular myocardium. <i>International Heart Journal</i> , 1980 , 21, 247-55		7
45	Electrophysiological and inotropic effects of Coenzyme Q10 on guinea pig ventricular muscle depolarized by potassium under hypoxia. <i>International Heart Journal</i> , 1982 , 23, 961-74		7
44	Proteogenomic Analyses of Cellular Lysates Using a Phenol-Guanidinium Thiocyanate Reagent. <i>Journal of Proteome Research</i> , 2019 , 18, 301-308	5.6	7
43	Identification of Protein Targets of 12/15-Lipoxygenase-Derived Lipid Electrophiles in Mouse Peritoneal Macrophages Using Omega-Alkynyl Fatty Acid. <i>ACS Chemical Biology</i> , 2018 , 13, 887-893	4.9	6
42	Rapidly rendering cells phagocytic through a cell surface display technique and concurrent Rac activation. <i>Science Signaling</i> , 2014 , 7, rs4	8.8	6
41	Electrocardiogram and His bundle electrogram of Japanese monkeys (<i>Macaca fuscata</i>). <i>Experimental Animals</i> , 1983 , 32, 167-73	1.8	6
40	Effects of catecholamines, propranolol, acetylcholine and ouabain on the transmembrane action potentials and contractility of the isolated venae cavae proximal to the heart of the rabbit. <i>The Japanese Journal of Physiology</i> , 1967 , 17, 158-73		6
39	Dysregulated metabolism of polyunsaturated fatty acids in eosinophilic allergic diseases. <i>Prostaglandins and Other Lipid Mediators</i> , 2020 , 150, 106477	3.7	6
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