Jing X Kang

List of Publications by Year
in descending order

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150 papers	11,508 citations	23544 58 h-index	30894 102 g-index
150 all docs	150 docs citations	150 times ranked	11825 citing authors

#	Article	IF	Citations
1	Increased dietary intake of Ï‰-3-polyunsaturated fatty acids reduces pathological retinal angiogenesis. Nature Medicine, 2007, 13, 868-873.	15.2	633
2	Clinical Prevention of Sudden Cardiac Death by n-3 Polyunsaturated Fatty Acids and Mechanism of Prevention of Arrhythmias by n-3 Fish Oils. Circulation, 2003, 107, 2646-2652.	1.6	542
3	Fat-1 mice convert n-6 to n-3 fatty acids. Nature, 2004, 427, 504-504.	13.7	480
4	Prevention of Sudden Cardiac Death by Dietary Pure Ï‰-3 Polyunsaturated Fatty Acids in Dogs. Circulation, 1999, 99, 2452-2457.	1.6	382
5	Transgenic mice rich in endogenous omega-3 fatty acids are protected from colitis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11276-11281.	3.3	361
6	Prevention of Fatal Arrhythmias in High-Risk Subjects by Fish Oil n-3 Fatty Acid Intake. Circulation, 2005, 112, 2762-2768.	1.6	346
7	Generation of cloned transgenic pigs rich in omega-3 fatty acids. Nature Biotechnology, 2006, 24, 435-436.	9.4	323
8	A host-microbiome interaction mediates the opposing effects of omega-6 and omega-3 fatty acids on metabolic endotoxemia. Scientific Reports, 2015, 5, 11276.	1.6	271
9	Modulation of prostate cancer genetic risk by omega-3 and omega-6 fatty acids. Journal of Clinical Investigation, 2007, 117, 1866-1875.	3.9	225
10	Improved spatial learning performance of fat-1 mice is associated with enhanced neurogenesis and neuritogenesis by docosahexaenoic acid. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11370-11375.	3.3	203
11	Antiarrhythmic Effects of Polyunsaturated Fatty Acids. Circulation, 1996, 94, 1774-1780.	1.6	196
12	Prevention of fatal cardiac arrhythmias by polyunsaturated fatty acids. American Journal of Clinical Nutrition, 2000, 71, 202S-207S.	2.2	192
13	Prevention of ischemia-induced cardiac Sudden death by nâˆ’3 polyunsaturated fatty acids in dogs. Lipids, 1997, 32, 1161-1168.	0.7	180
14	A simplified method for analysis of polyunsaturated fatty acids. , 2005, 6, 5.		171
15	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-Fatâ€“Fed Mice. Diabetes, 2010, 59, 3066-3073.	0.3	160
16	Physiological Effects of Adenoviral Gene Transfer of Sarcoplasmic Reticulum Calcium ATPase in Isolated Rat Myocytes. Circulation, 1997, 95, 423-429.	1.6	158
17	Fat-1 transgenic mice: A new model for omega-3 research. Prostaglandins Leukotrienes and Essential Fatty Acids, 2007, 77, 263-267.	1.0	148
18	Prevention of sudden cardiac death by nâˆ’3 polyunsaturated fatty acids. , 2003, 98, 355-377.		143

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19	Modulation of Inflammatory Cytokines by Omega-3 Fatty Acids. Sub-Cellular Biochemistry, 2008, 49, 133-143.	1.0	143
20	Unesterified docosahexaenoic acid is protective in neuroinflammation. Journal of Neurochemistry, 2013, 127, 378-393.	2.1	140
21	Omega-3 fatty acids alleviate chemically induced acute hepatitis by suppression of cytokines. Hepatology, 2007, 45, 864-869.	3.6	139
22	18-HEPE, an n-3 fatty acid metabolite released by macrophages, prevents pressure overloadâ€“induced maladaptive cardiac remodeling. Journal of Experimental Medicine, 2014, 211, 1673-1687.	4.2	135
23	Guide and Position of the International Society of Nutrigenetics/Nutrigenomics on Personalised Nutrition: Part 1 - Fields of Precision Nutrition. Lifestyle Genomics, 2016, 9, 12-27.	0.6	133
24	Anticonvulsant effect of polyunsaturated fatty acids in rats, using the cortical stimulation model. European Journal of Pharmacology, 1998, 341, 145-152.	1.7	127
25	High Pancreatic n-3 Fatty Acids Prevent STZ-Induced Diabetes in Fat-1 Mice: Inflammatory Pathway Inhibition. Diabetes, 2011, 60, 1090-1099.	0.3	126
26	Melanoma growth is reduced in fat-1 transgenic mice: Impact of omega-6/omega-3 essential fatty acids. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12499-12504.	3.3	125
27	Reduced Colitis-Associated Colon Cancer inFat-1(n-3 Fatty Acid Desaturase) Transgenic Mice. Cancer Research, 2008, 68, 3985-3991.	0.4	124
28	Suppressed liver tumorigenesis in fat-1 mice with elevated omega-3 fatty acids is associated with increased omega-3 derived lipid mediators and reduced TNF-Â. Carcinogenesis, 2011, 32, 897-903.	1.3	121
29	Guide for Current Nutrigenetic, Nutrigenomic, and Nutriepigenetic Approaches for Precision Nutrition Involving the Prevention and Management of Chronic Diseases Associated with Obesity. Journal of Nutrigenetics and Nutrigenomics, 2017, 10, 43-62.	1.8	118
30	Protective effects of free polyunsaturated fatty acids on arrhythmias induced by lysophosphatidylcholine or palmitoylcarnitine in neonatal rat cardiac myocytes. European Journal of Pharmacology, 1996, 297, 97-106.	1.7	114
31	Differential Effects of Various Eicosanoids on the Production or Prevention of Arrhythmias in Cultured Neonatal Rat Cardiac Myocytes. Prostaglandins, 1997, 54, 511-530.	1.2	110
32	Production of fat-1 transgenic rats using a post-natal female germline stem cell line. Molecular Human Reproduction, 2014, 20, 271-281.	1.3	109
33	Molecular interplay between Î”5/Î”6 desaturases and long-chain fatty acids in the pathogenesis of non-alcoholic steatohepatitis. Gut, 2014, 63, 344-355.	6.1	107
34	Adenoviral Gene Transfer of Phospholamban in Isolated Rat Cardiomyocytes. Circulation Research, 1997, 81, 145-153.	2.0	99
35	Colitis-associated colon tumorigenesis is suppressed in transgenic mice rich in endogenous n-3 fatty acids. Carcinogenesis, 2007, 28, 1991-1995.	1.3	98
36	Evaluation of a rapid method for the quantitative analysis of fatty acids in various matrices. Journal of Chromatography A, 2008, 1212, 106-113.	1.8	96

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37	Endogenously Decreasing Tissue n-6/n-3 Fatty Acid Ratio Reduces Atherosclerotic Lesions in Apolipoprotein E â€“Deficient Mice by Inhibiting Systemic and Vascular Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2487-2494.	1.1	91
38	The extract of huanglian, a medicinal herb, induces cell growth arrest and apoptosis by upregulation of interferon-Î² and TNF-Î± in human breast cancer cells. Carcinogenesis, 2005, 26, 1934-1939.	1.3	86
39	Drosophila lacks C20 and C22 PUFAs. Journal of Lipid Research, 2010, 51, 2985-2992.	2.0	85
40	Fat-1 transgenic mice with elevated omega-3 fatty acids are protected from allergic airway responses. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1164-1169.	1.8	85
41	Decreased n -6/ n -3 fatty acid ratio reduces the invasive potential of human lung cancer cells by downregulation of cell adhesion/invasion-related genes. Carcinogenesis, 2005, 26, 779-784.	1.3	84
42	Omegaâ€3 polyunsaturated fatty acids promote amyloidâ€Î² clearance from the brain through mediating the function of the glymphatic system. FASEB Journal, 2017, 31, 282-293.	0.2	84
43	Partitioning of polyunsaturated fatty acids, which prevent cardiac arrhythmias, into phospholipid cell membranes. Journal of Lipid Research, 2001, 42, 346-351.	2.0	83
44	Autistic Children Exhibit Decreased Levels of Essential Fatty Acids in Red Blood Cells. International Journal of Molecular Sciences, 2015, 16, 10061-10076.	1.8	81
45	Radiation Resistance in KRAS-Mutated Lung Cancer Is Enabled by Stem-like Properties Mediated by an Osteopontinâ€“EGFR Pathway. Cancer Research, 2017, 77, 2018-2028.	0.4	80
46	Concise Review: Regulation of Stem Cell Proliferation and Differentiation by Essential Fatty Acids and Their Metabolites. Stem Cells, 2014, 32, 1092-1098.	1.4	79
47	Improved Outcome after Peripheral Nerve Injury in Mice with Increased Levels of Endogenous Omega-3 Polyunsaturated Fatty Acids. Journal of Neuroscience, 2012, 32, 563-571.	1.7	75
48	Coptis extracts enhance the anticancer effect of estrogen receptor antagonists on human breast cancer cells. Biochemical and Biophysical Research Communications, 2009, 378, 174-178.	1.0	74
49	Rethinking lipid mediators. Lancet, The, 2005, 366, 618-620.	6.3	70
50	Cloned Transgenic Swine Via In Vitro Production and Cryopreservation1. Biology of Reproduction, 2006, 75, 226-230.	1.2	69
51	Endogenous nâ€3 fatty acids protect ovariectomy induced bone loss by attenuating osteoclastogenesis. Journal of Cellular and Molecular Medicine, 2009, 13, 1833-1844.	1.6	69
52	Panax notoginseng Reduces Atherosclerotic Lesions in ApoE-Deficient Mice and Inhibits TNF-Î±-Induced Endothelial Adhesion Molecule Expression and Monocyte Adhesion. Journal of Agricultural and Food Chemistry, 2009, 57, 6692-6697.	2.4	68
53	Omega-3-Polyunsaturated Fatty Acids Suppress Pancreatic Cancer Cell Growth in vitro and in vivo via Downregulation of Wnt/Beta-Catenin Signaling. Pancreatology, 2011, 11, 574-584.	0.5	68
54	The role of the tissue omega-6/omega-3 fatty acid ratio in regulating tumor angiogenesis. Cancer and Metastasis Reviews, 2013, 32, 201-210.	2.7	68

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55	Endogenous Conversion of Omega-6 into Omega-3 Fatty Acids Improves Neuropathology in an Animal Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 27, 853-869.	1.2	66
56	Polyunsaturated fatty acids exert antiarrhythmic actions as free acids rather than in phospholipids. Lipids, 1996, 31, 977-982.	0.7	65
57	Maternal omega-3 fatty acids regulate offspring obesity through persistent modulation of gut microbiota. Microbiome, 2018, 6, 95.	4.9	65
58	The Importance of Omega-6/Omega-3 Fatty Acid Ratio in Cell Function. , 2003, 92, 23-36.		64
59	Cox-2 expression, PGE2 and cytokines production are inhibited by endogenously synthesized n-3 PUFAs in inflamed colon of fat-1 mice. Journal of Nutritional Biochemistry, 2011, 22, 360-365.	1.9	62
60	Transgenic conversion of omega-6 into omega-3 fatty acids in a mouse model of Parkinson's disease. Journal of Lipid Research, 2011, 52, 263-271.	2.0	61
61	The cardiac antiarrhythmic effects of polyunsaturated fatty acid. Lipids, 1996, 31, S41-S44.	0.7	60
62	Modulation of the Gut Microbiota during High-Dose Glycerol Monolaurate-Mediated Amelioration of Obesity in Mice Fed a High-Fat Diet. MBio, 2020, 11, .	1.8	59
63	Matrix Metalloproteinase (MMP)-9 in Cancer-Associated Fibroblasts (CAFs) Is Suppressed by Omega-3 Polyunsaturated Fatty Acids In Vitro and In Vivo. PLoS ONE, 2014, 9, e89605.	1.1	58
64	Fish Oil Fatty Acids as Cardiovascular Drugs. Current Vascular Pharmacology, 2008, 6, 1-12.	0.8	55
65	Mammary tumor development is directly inhibited by lifelong n-3 polyunsaturated fatty acids. Journal of Nutritional Biochemistry, 2013, 24, 388-395.	1.9	55
66	Multi-omic analysis in transgenic mice implicates omega-6/omega-3 fatty acid imbalance as a risk factor for chronic disease. Communications Biology, 2019, 2, 276.	2.0	55
67	n-3 fatty acids in the prevention of cardiac arrhythmias. Lipids, 1999, 34, S187-S189.	0.7	54
68	Maternal dietary imbalance between omega-6 and omega-3 polyunsaturated fatty acids impairs neocortical development via epoxy metabolites. Stem Cells, 2016, 34, 470-482.	1.4	54
69	Reduction of inflammation and chronic tissue damage by omega-3 fatty acids in fat-1 transgenic mice with pancreatitis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2008, 1782, 634-641.	1.8	53
70	Deltaâ€6â€desaturase activity and arachidonic acid synthesis are increased in human breast cancer tissue. Cancer Science, 2013, 104, 760-764.	1.7	53
71	Endogenous Ï‰-3 Polyunsaturated Fatty Acid Production Confers Resistance to Obesity, Dyslipidemia, and Diabetes in Mice. Molecular Endocrinology, 2014, 28, 1316-1328.	3.7	52
72	Acute Lung Injury Is Reduced in fat-1 Mice Endogenously Synthesizing n-3 Fatty Acids. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 474-483.	2.5	50

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73	Increased tissue levels of omega-3 polyunsaturated fatty acids prevents pathological preterm birth. Scientific Reports, 2013, 3, 3113.	1.6	48
74	Inhibition of inflammatory response in transgenic fat-1 mice on a calorie-restricted diet. Biochemical and Biophysical Research Communications, 2006, 349, 925-930.	1.0	47
75	Lipoxins and resolvins in inflammatory bowel disease. Inflammatory Bowel Diseases, 2007, 13, 797-799.	0.9	47
76	Inhibiting Delta-6 Desaturase Activity Suppresses Tumor Growth in Mice. PLoS ONE, 2012, 7, e47567.	1.1	47
77	Omegaâ€3 fatty acids protect from dietâ€induced obesity, glucose intolerance, and adipose tissue inflammation through PPARÎ³â€dependent and PPARÎ³â€independent actions. Molecular Nutrition and Food Research, 2015, 59, 957-967.	1.5	46
78	Omega-3: A link between global climate change and human health. Biotechnology Advances, 2011, 29, 388-390.	6.0	44
79	Transgenic mice with high endogenous omega-3 fatty acids are protected from spinal cord injury. Neurobiology of Disease, 2013, 51, 104-112.	2.1	44
80	Omega-3 polyunsaturated fatty acids ameliorate ethanol-induced adipose hyperlipolysis: A mechanism for hepatoprotective effect against alcoholic liver disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 3190-3201.	1.8	44
81	Endogenous n-3 fatty acids protect ovariectomy induced bone loss by attenuating osteoclastogenesis. Journal of Cellular and Molecular Medicine, 2009, 13, 1833-1844.	1.6	44
82	Decreased expression of the mannose 6- phosphate/insulin-like growth factor-II receptor promotes growth of human breast cancer cells. BMC Cancer, 2002, 2, 18.	1.1	43
83	n-3 polyunsaturated fatty acids endogenously synthesized in fat-1 mice are enriched in the mammary gland. Lipids, 2006, 41, 35-39.	0.7	42
84	Effects of adenoviral gene transfer of C. elegans n-3 fatty acid desaturase on the lipid profile and growth of human breast cancer cells. Anticancer Research, 2002, 22, 537-43.	0.5	42
85	Seizure resistance in fat-1 transgenic mice endogenously synthesizing high levels of omega-3 polyunsaturated fatty acids. Journal of Neurochemistry, 2008, 105, 380-388.	2.1	40
86	The Fat-1 Mouse has Brain Docosahexaenoic Acid Levels Achievable Through Fish Oil Feeding. Neurochemical Research, 2010, 35, 811-819.	1.6	39
87	Enriched endogenous omega-3 fatty acids in mice protect against global ischemia injury. Journal of Lipid Research, 2014, 55, 1288-1297.	2.0	39
88	Decreased Ï‰-6:Ï‰-3 PUFA ratio attenuates ethanol-induced alterations in intestinal homeostasis, microbiota, and liver injury. Journal of Lipid Research, 2019, 60, 2034-2049.	2.0	39
89	Omega-3 Polyunsaturated Fatty Acids Suppress the Cystic Lesion Formation of Peritoneal Endometriosis in Transgenic Mouse Models. PLoS ONE, 2013, 8, e73085.	1.1	39
90	Transgenic Ï‰-3 PUFA enrichment alters morphology and gene expression profile in adipose tissue of obese mice: Potential role for protectins. Metabolism: Clinical and Experimental, 2015, 64, 666-676.	1.5	38

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91	Femur EPA and DHA are correlated with femur biomechanical strength in young fat-1 mice. Journal of Nutritional Biochemistry, 2009, 20, 453-461.	1.9	37
92	Docosahexaenoic acid suppresses arachidonic acid-induced proliferation of LS-174T human colon carcinoma cells. World Journal of Gastroenterology, 2009, 15, 1079.	1.4	35
93	Inhibition of the HER2 pathway by n-3 polyunsaturated fatty acids prevents breast cancer in fat-1 transgenic mice. Journal of Lipid Research, 2013, 54, 3453-3463.	2.0	35
94	The Omega-6/Omega-3 Fatty Acid Ratio in Chronic Diseases: Animal Models and Molecular Aspects. World Review of Nutrition and Dietetics, 2011, 102, 22-29.	0.1	34
95	Reduction of heart rate by omega-3 fatty acids and the potential underlying mechanisms. Frontiers in Physiology, 2012, 3, 416.	1.3	34
96	Endogenously elevated nâ€ɜ polyunsaturated fatty acids alleviate acute ethanolâ€ɨnduced liver steatosis. BioFactors, 2015, 41, 453-462.	2.6	33
97	Omega-3 Fatty Acids and Hippocampal Neurogenesis in Depression. CNS and Neurological Disorders - Drug Targets, 2013, 12, 460-465.	0.8	33
98	Supranormal Electroretinogram inFat-1Mice with Retinas Enriched in Docosahexaenoic Acid and n-3 Very Long Chain Fatty Acids (C24â€“C36). , 2009, 50, 4394.		32
99	Elevated tissue omega-3 fatty acid status prevents age-related glucose intolerance in fat-1 transgenic mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 186-191.	1.8	32
100	A Protective Lipidomic Biosignature Associated with a Balanced Omega-6/Omega-3 Ratio in fat-1 Transgenic Mice. PLoS ONE, 2014, 9, e96221.	1.1	32
101	A decreasedn-6/n-3 ratio in the fat-1 mouse is associated with improved glucose tolerance. Applied Physiology, Nutrition and Metabolism, 2010, 35, 699-706.	0.9	31
102	Double Transgenesis of Humanized fat1 and fat2 Genes Promotes Omega-3 Polyunsaturated Fatty Acids Synthesis in a Zebrafish Model. Marine Biotechnology, 2014, 16, 580-593.	1.1	31
103	Enriched Brain Omega-3 Polyunsaturated Fatty Acids Confer Neuroprotection against Microinfarction. EBioMedicine, 2018, 32, 50-61.	2.7	31
104	Endogenously Generated Omegaâ€ɜ 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, .	1.6	30
105	Protective Effects of All-Trans-Retinoic Acid Against Cardiac Arrhythmias Induced by Isoproterenol, Lysophosphatidylcholine or Ischemia and Reperfusion. Journal of Cardiovascular Pharmacology, 1995, 26, 943-948.	0.8	29
106	An omega-3 polyunsaturated fatty acid derivative, 18-HEPE, protects against CXCR4-associated melanoma metastasis. Carcinogenesis, 2018, 39, 1380-1388.	1.3	25
107	n-3 Polyunsaturated fatty acids inhibit Fc Îµ receptor I-mediated mast cell activation. Journal of Nutritional Biochemistry, 2015, 26, 1580-1588.	1.9	24
108	A Transgenic Mouse Model for Geneâ€“Nutrient Interactions. Journal of Nutrigenetics and Nutrigenomics, 2008, 1, 172-177.	1.8	23

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109	Effects of Coptis extract combined with chemotherapeutic agents on ROS production, multidrug resistance, and cell growth in A549 human lung cancer cells. Chinese Medicine, 2012, 7, 11.	1.6	23
110	Cyclooxygenase-2 and n-6 PUFA are lower and DHA is higher in the cortex of fat-1 mice. Neurochemistry International, 2010, 56, 585-589.	1.9	22
111	Enriched Endogenous Omega-3 Fatty Acids in Mice Ameliorate Parenchymal Cell Death After Traumatic Brain Injury. Molecular Neurobiology, 2017, 54, 3317-3326.	1.9	21
112	Activation of Stat5 and induction of a pregnancy-like mammary gland differentiation by eicosapentaenoic and docosapentaenoic omega-3 fatty acids. FEBS Journal, 2007, 274, 3351-3362.	2.2	18
113	Acetaminophen-induced liver injury is attenuated in transgenic fat-1 mice endogenously synthesizing long-chain n-3 fatty acids. Biochemical Pharmacology, 2018, 154, 75-88.	2.0	18
114	Increased Lipogenesis is Critical for <scp>Self-Renewal</scp> and Growth of Breast Cancer Stem Cells: Impact of Omega-3 Fatty Acids. Stem Cells, 2021, 39, 1660-1670.	1.4	17
115	Vertebrae of Developing Fat-1 Mice Have Greater Strength and Lower N-6/N-3 Fatty Acid Ratio. Experimental Biology and Medicine, 2009, 234, 632-638.	1.1	16
116	Fat-1 gene modulates the fatty acid composition of femoral and vertebral phospholipids. Applied Physiology, Nutrition and Metabolism, 2010, 35, 447-455.	0.9	16
117	Endogenous Ï‰-3 Fatty Acid Production by fat-1 Transgene and Topically Applied Docosahexaenoic Acid Protect against UVB-induced Mouse Skin Carcinogenesis. Scientific Reports, 2017, 7, 11658.	1.6	16
118	Experimental Validation of Longitudinal Speed of Sound Estimates in the Diagnosis of Hepatic Steatosis (Part II). Ultrasound in Medicine and Biology, 2018, 44, 2749-2758.	0.7	16
119	Transgenic conversion of Ï‰-6 to Ï‰-3 polyunsaturated fatty acids via fat-1 reduces the severity of post-traumatic osteoarthritis. Arthritis Research and Therapy, 2020, 22, 83.	1.6	16
120	Essential fatty acid metabolism in cultured human airway epithelial cells. Lipids and Lipid Metabolism, 1992, 1128, 267-274.	2.6	15
121	Gene and protein expression profiling of the fat-1 mouse brain. Prostaglandins Leukotrienes and Essential Fatty Acids, 2009, 80, 33-42.	1.0	15
122	Suppression of Postprandial Blood Glucose Fluctuations by a Low-Carbohydrate, High-Protein, and High-Omega-3 Diet via Inhibition of Gluconeogenesis. International Journal of Molecular Sciences, 2018, 19, 1823.	1.8	15
123	Suppressed Helicobacter pylori-associated gastric tumorigenesis in Fat-1 transgenic mice producing endogenous Ï‰-3 polyunsaturated fatty acids. Oncotarget, 2016, 7, 66606-66622.	0.8	15
124	Mitigation of indomethacin-induced gastrointestinal damages in fat-1 transgenic mice via gate-keeper action of Ï‰-3-polyunsaturated fatty acids. Scientific Reports, 2016, 6, 33992.	1.6	14
125	Beneficial effects of an endogenous enrichment in n3â€PUFAs on Wnt signaling are associated with attenuation of alcoholâ€mediated liver disease in mice. FASEB Journal, 2021, 35, e21377.	0.2	14
126	Amelioration of diabesity-induced colorectal ontogenesis by omega-3 fatty acids in mice. Journal of Lipid Research, 2012, 53, 1056-1070.	2.0	13

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127	The Coming of Age of Nutrigenetics and Nutrigenomics. Journal of Nutrigenetics and Nutrigenomics, 2012, 5, I-II.	1.8	13
128	Differential effects of omega-6 and omega-3 fatty acids on telomere length. American Journal of Clinical Nutrition, 2010, 92, 1276-1277.	2.2	12
129	Omegaâ€“3 Fatty Acids and Ventricular Arrhythmias. , 2005, 94, 129-138.		10
130	Transgenic Mice Convert Carbohydrates to Essential Fatty Acids. PLoS ONE, 2014, 9, e97637.	1.1	10
131	Constitutive Ï‰-3 fatty acid production in fat - 1 transgenic mice and docosahexaenoic acid administration to wild type mice protect against 2,4,6-trinitrobenzene sulfonic acid-induced colitis. Biochemical and Biophysical Research Communications, 2017, 487, 847-855.	1.0	10
132	The protective role of endogenous n-3 polyunsaturated fatty acids inTauAlzheimerâ€™s disease mouse model. International Journal of Neuroscience, 2019, 129, 325-336.	0.8	10
133	Essential lipid autacoids rewire mitochondrial energy efficiency in metabolic dysfunctionâ€associated fatty liver disease. Hepatology, 2023, 77, 1303-1318.	3.6	10
134	Why the omega-3 piggy should go to market. Nature Biotechnology, 2007, 25, 505-506.	9.4	9
135	Docosahexanoic acid signals through the Nrf2â€“Nqo1 pathway to maintain redox balance and promote neurite outgrowth. Molecular Biology of the Cell, 2021, 32, 511-520.	0.9	9
136	Nutrigenomics and Cancer Therapy. Journal of Nutrigenetics and Nutrigenomics, 2013, 6, I-II.	1.8	8
137	Visualizing and Profiling Lipids in the OVLT of Fat-1 and Wild Type Mouse Brains during LPS-Induced Systemic Inflammation Using AP-SMALDI MSI. ACS Chemical Neuroscience, 2019, 10, 4394-4406.	1.7	8
138	Nutrigenomics and Systems Biology. Journal of Nutrigenetics and Nutrigenomics, 2012, 5, I-II.	1.8	7
139	Amelioration of UVB-induced oxidative stress and inflammation in fat-1 transgenic mouse skin. Biochemical and Biophysical Research Communications, 2018, 502, 1-8.	1.0	7
140	Lipidomic analysis revealed nâ€3 polyunsaturated fatty acids suppressed choroidal thinning and myopia progression in mice. FASEB Journal, 2022, 36, e22312.	0.2	6
141	Decreased Tissue Omega-6/Omega-3 Fatty Acid Ratio Prevents Chemotherapy-Induced Gastrointestinal Toxicity Associated with Alterations of Gut Microbiome. International Journal of Molecular Sciences, 2022, 23, 5332.	1.8	6
142	Achieving Balance in the Omega—6/Omega—3 Ratio through Nutrigenomics. , 2004, 93, 92-98.		4
143	The iFat1 transgene permits conditional endogenous n-3 PUFA enrichment both in vitro and in vivo. Transgenic Research, 2014, 23, 489-501.	1.3	4
144	Lifelong n-3 Polyunsaturated Fatty Acid Exposure Modulates Size of Mammary Epithelial Cell Populations and Expression of Caveolae Resident Proteins in Fat-1 Mice. Nutrients, 2019, 11, 2477.	1.7	4

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145	Endogenous Omegaâ€3 Polyunsaturated Fatty Acids Reduce the Number and Differentiation of White Adipocyte Progenitors in Mice. Obesity, 2020, 28, 235-240.	1.5	3
146	Transcriptional signatures of the small intestinal mucosa in response to ethanol in transgenic mice rich in endogenous n3 fatty acids. Scientific Reports, 2020, 10, 19930.	1.6	3
147	Omega-6/Omega-3 Fatty Acid Ratio is Important for Health. , 2008, , 35-49.		2
148	Dr. Alexander Leaf, an exemplary physicianâ€“scientist and a great man. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 88, 197-199.	1.0	1
149	Effect of endogenous nâ€3 PUFA on inflammation and oxidative stress. FASEB Journal, 2008, 22, 1094.1.	0.2	1
150	Fatâ€1 transgenic mice endogenously synthesizing high levels of nâˆ’3 PUFA are resistant to pentylenetetrazol induced seizures. FASEB Journal, 2007, 21, A322.	0.2	0