Guang-Hou Shui

List of Publications by Year
in descending order

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208	16,095	15495 65	19726 117
papers	citations	h-index	g-index

220	220	220	26256
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dual Role of 3-Methyladenine in Modulation of Autophagy via Different Temporal Patterns of Inhibition on Class I and III Phosphoinositide 3-Kinase. Journal of Biological Chemistry, 2010, 285, 10850-10861.	1.6	942
2	An investigation of antioxidant capacity of fruits in Singapore markets. Food Chemistry, 2002, 76, 69-75.	4.2	814
3	Mfsd2a is a transporter for the essential omega-3 fatty acid docosahexaenoic acid. Nature, 2014, 509, 503-506.	13.7	733
4	Lipid-induced insulin resistance mediated by the proinflammatory receptor TLR4 requires saturated fatty acidâ€“induced ceramide biosynthesis in mice. Journal of Clinical Investigation, 2011, 121, 1858-1870.	3.9	566
5	Comparative Lipidomic Analysis of Mouse and Human Brain with Alzheimer Disease. Journal of Biological Chemistry, 2012, 287, 2678-2688.	1.6	457
6	Fld1p, a functional homologue of human seipin, regulates the size of lipid droplets in yeast. Journal of Cell Biology, 2008, 180, 473-482.	2.3	411
7	Omics-Driven Systems Interrogation of Metabolic Dysregulation in COVID-19 Pathogenesis. Cell Metabolism, 2020, 32, 188-202.e5.	7.2	383
8	The Transcription Factor STAT-1 Couples Macrophage Synthesis of 25-Hydroxycholesterol to the Interferon Antiviral Response. Immunity, 2013, 38, 106-118.	6.6	327
9	A Role for Phosphatidic Acid in the Formation of â€œSupersizedâ€•Lipid Droplets. PLoS Genetics, 2011, 7, e1002201.	1.5	290
10	Fsp27 promotes lipid droplet growth by lipid exchange and transfer at lipid droplet contact sites. Journal of Cell Biology, 2011, 195, 953-963.	2.3	273
11	Arabidopsis lipins mediate eukaryotic pathway of lipid metabolism and cope critically with phosphate starvation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20978-20983.	3.3	247
12	PtdIns4P synthesis by PI4KIIIÎ± at the plasma membrane and its impact on plasma membrane identity. Journal of Cell Biology, 2012, 199, 1003-1016.	2.3	246
13	Retroviruses Human Immunodeficiency Virus and Murine Leukemia Virus Are Enriched in Phosphoinositides. Journal of Virology, 2008, 82, 11228-11238.	1.5	243
14	Host Defense against Viral Infection Involves Interferon Mediated Down-Regulation of Sterol Biosynthesis. PLoS Biology, 2011, 9, e1000598.	2.6	241
15	Separation and determination of organic acids and phenolic compounds in fruit juices and drinks by high-performance liquid chromatography. Journal of Chromatography A, 2002, 977, 89-96.	1.8	231
16	Extensive characterization of human tear fluid collected using different techniques unravels the presence of novel lipid amphiphiles. Journal of Lipid Research, 2014, 55, 289-298.	2.0	226
17	Chondroitin Fragments Are Odorants that Trigger Fear Behavior in Fish. Current Biology, 2012, 22, 538-544.	1.8	209
18	Residue from star fruit as valuable source for functional food ingredients and antioxidant nutraceuticals. Food Chemistry, 2006, 97, 277-284.	4.2	198

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19	Extensive diversity in circadian regulation of plasma lipids and evidence for different circadian metabolic phenotypes in humans. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14468-14473.	3.3	186
20	Inhibitory effect of dietary lipids on chaperone-mediated autophagy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E705-14.	3.3	181
21	Microbiota Depletion Impairs Thermogenesis of Brown Adipose Tissue and Browning of White Adipose Tissue. Cell Reports, 2019, 26, 2720-2737.e5.	2.9	173
22	Phospholipase D2 Ablation Ameliorates Alzheimer's Disease-Linked Synaptic Dysfunction and Cognitive Deficits. Journal of Neuroscience, 2010, 30, 16419-16428.	1.7	155
23	Analysis of polyphenolic antioxidants in star fruit using liquid chromatography and mass spectrometry. Journal of Chromatography A, 2004, 1022, 67-75.	1.8	150
24	Induction of Autophagy by Palmitic Acid via Protein Kinase C-mediated Signaling Pathway Independent of mTOR (Mammalian Target of Rapamycin). Journal of Biological Chemistry, 2012, 287, 14364-14376.	1.6	144
25	Lipid Pathway Alterations in Parkinson's Disease Primary Visual Cortex. PLoS ONE, 2011, 6, e17299.	1.1	142
26	Meibum Lipid Composition in Asians with Dry Eye Disease. PLoS ONE, 2011, 6, e24339.	1.1	139
27	Myristoleic acid produced by enterococci reduces obesity through brown adipose tissue activation. Gut, 2020, 69, 1239-1247.	6.1	134
28	Biochemical Membrane Lipidomics during Drosophila Development. Developmental Cell, 2013, 24, 98-111.	3.1	133
29	The Membrane Stress Response Buffers Lethal Effects of Lipid Disequilibrium by Reprogramming the Protein Homeostasis Network. Molecular Cell, 2012, 48, 16-27.	4.5	132
30	A multi-omics investigation of the composition and function of extracellular vesicles along the temporal trajectory of COVID-19. Nature Metabolism, 2021, 3, 909-922.	5.1	132
31	The mitochondria-targeted antioxidant MitoQ extends lifespan and improves healthspan of a transgenic Caenorhabditis elegans model of Alzheimer disease. Free Radical Biology and Medicine, 2014, 71, 390-401.	1.3	130
32	RIPK3 Orchestrates Fatty Acid Metabolism in Tumor-Associated Macrophages and Hepatocarcinogenesis. Cancer Immunology Research, 2020, 8, 710-721.	1.6	126
33	GDSL lipases modulate immunity through lipid homeostasis in rice. PLoS Pathogens, 2017, 13, e1006724.	2.1	124
34	Integration of lipidomics and metabolomics for in-depth understanding of cellular mechanism and disease progression. Journal of Genetics and Genomics, 2020, 47, 69-83.	1.7	124
35	Translocation and effects of gold nanoparticles after inhalation exposure in rats. Nanotoxicology, 2007, 1, 235-242.	1.6	121
36	Tissue-Autonomous Function of Drosophila Seipin in Preventing Ectopic Lipid Droplet Formation. PLoS Genetics, 2011, 7, e1001364.	1.5	121

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37	Cholesterol biosynthesis supports the growth of hepatocarcinoma lesions depleted of fatty acid synthase in mice and humans. Gut, 2020, 69, 177-186.	6.1	121
38	Triacylglycerol Utilization Is Required for Regrowth of In Vitro Hypoxic Nonreplicating Mycobacterium bovis Bacillus Calmette-Guerin. Journal of Bacteriology, 2009, 191, 5037-5043.	1.0	119
39	Emodin Inhibits Tumor Cell Adhesion through Disruption of the Membrane Lipid Raft-Associated Integrin Signaling Pathway. Cancer Research, 2006, 66, 5807-5815.	0.4	117
40	An electron transfer path connects subunits of a mycobacterial respiratory supercomplex. Science, 2018, 362, .	6.0	117
41	Harnessing the intracellular triacylglycerols for titer improvement of polyketides in Streptomyces. Nature Biotechnology, 2020, 38, 76-83.	9.4	116
42	The translocator maintenance protein Tam41 is required for mitochondrial cardiolipin biosynthesis. Journal of Cell Biology, 2008, 183, 1213-1221.	2.3	113
43	Toward one step analysis of cellular lipidomes using liquid chromatography coupled with mass spectrometry: application to Saccharomyces cerevisiae and Schizosaccharomyces pombe lipidomics. Molecular BioSystems, 2010, 6, 1008.	2.9	111
44	Fenretinide Prevents Lipid-induced Insulin Resistance by Blocking Ceramide Biosynthesis. Journal of Biological Chemistry, 2012, 287, 17426-17437.	1.6	110
45	Lipidomics as a Principal Tool for Advancing Biomedical Research. Journal of Genetics and Genomics, 2013, 40, 375-390.	1.7	110
46	Cdk5/p25-Induced Cytosolic PLA2-Mediated Lysophosphatidylcholine Production Regulates Neuroinflammation and Triggers Neurodegeneration. Journal of Neuroscience, 2012, 32, 1020-1034.	1.7	106
47	Nonâ€targeted profiling of lipids during kainateâ€induced neuronal injury. FASEB Journal, 2006, 20, 1152-1161.	0.2	104
48	U18666A, an intra-cellular cholesterol transport inhibitor, inhibits dengue virus entry and replication. Antiviral Research, 2012, 93, 191-198.	1.9	103
49	Lipidomic analysis of human placental Syncytiotrophoblast microvesicles in adverse pregnancy outcomes. Placenta, 2013, 34, 436-442.	0.7	103
50	Salicylic acid-mediated plasmodesmal closure via Remorin-dependent lipid organization. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21274-21284.	3.3	102
51	High-Coverage Targeted Lipidomics Reveals Novel Serum Lipid Predictors and Lipid Pathway Dysregulation Antecedent to Type 2 Diabetes Onset in Normoglycemic Chinese Adults. Diabetes Care, 2019, 42, 2117-2126.	4.3	100
52	Cidea is an essential transcriptional coactivator regulating mammary gland secretion of milk lipids. Nature Medicine, 2012, 18, 235-243.	15.2	91
53	PGC-1Î± Improves Glucose Homeostasis in Skeletal Muscle in an Activity-Dependent Manner. Diabetes, 2013, 62, 85-95.	0.3	91
54	A Mechanistic Paradigm for Broad-Spectrum Antivirals that Target Virus-Cell Fusion. PLoS Pathogens, 2013, 9, e1003297.	2.1	88

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55	Metabolomics, a Powerful Tool for Agricultural Research. International Journal of Molecular Sciences, 2016, 17, 1871.	1.8	87
56	Adipose-Specific Knockout of Seipin/Bscl2 Results in Progressive Lipodystrophy. Diabetes, 2014, 63, 2320-2331.	0.3	84
57	Soybean GmMYB73 promotes lipid accumulation in transgenic plants. BMC Plant Biology, 2014, 14, 73.	1.6	83
58	Sensitive profiling of chemically diverse bioactive lipids. Journal of Lipid Research, 2007, 48, 1976-1984.	2.0	82
59	Lipidomic analysis of human tear fluid reveals structure-specific lipid alterations in dry eye syndrome. Journal of Lipid Research, 2014, 55, 299-306.	2.0	82
60	Arabidopsis AtPLC2 Is a Primary Phosphoinositide-Specific Phospholipase C in Phosphoinositide Metabolism and the Endoplasmic Reticulum Stress Response. PLoS Genetics, 2015, 11, e1005511.	1.5	78
61	Molecular characterization of seipin and its mutants: implications for seipin in triacylglycerol synthesis. Journal of Lipid Research, 2011, 52, 2136-2147.	2.0	77
62	The brain lipidomes of subcortical ischemic vascular dementia and mixed dementia. Neurobiology of Aging, 2014, 35, 2369-2381.	1.5	77
63	Mitochondrial Changes in Ageing Caenorhabditis elegans â€“ What Do We Learn from Superoxide Dismutase Knockouts?. PLoS ONE, 2011, 6, e19444.	1.1	76
64	The Lipid-Modifying Enzyme SMPDL3B Negatively Regulates Innate Immunity. Cell Reports, 2015, 11, 1919-1928.	2.9	74
65	Lipidomics, en route to accurate quantitation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 752-761.	1.2	73
66	Selection for a Zinc-Finger Protein Contributes to Seed Oil Increase during Soybean Domestication. Plant Physiology, 2017, 173, 2208-2224.	2.3	73
67	Lipid Droplet-associated Proteins Are Involved in the Biosynthesis and Hydrolysis of Triacylglycerol in Mycobacterium bovis Bacillus Calmette-GuÃ©rin. Journal of Biological Chemistry, 2010, 285, 21662-21670.	1.6	72
68	Seipin regulates lipid homeostasis by ensuring calciumâ€dependent mitochondrial metabolism. EMBO Journal, 2018, 37, .	3.5	69
69	Cyanidinâ€3â€Oâ€glucoside improves nonâ€alcoholic fatty liver disease by promoting PINK1â€mediated mitophagy in mice. British Journal of Pharmacology, 2020, 177, 3591-3607.	2.7	68
70	Structural and Biological Diversity of Lipopolysaccharides from Burkholderia pseudomallei and Burkholderia thailandensis. Vaccine Journal, 2009, 16, 1420-1428.	3.2	66
71	Changes in Plasma Lipids during Exposure to Total Sleep Deprivation. Sleep, 2015, 38, 1683-1691.	0.6	65
72	Derivatization-independent cholesterol analysis in crude lipid extracts by liquid chromatography/mass spectrometry: Applications to a rabbit model for atherosclerosis. Journal of Chromatography A, 2011, 1218, 4357-4365.	1.8	62

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73	Endogenous sterol intermediates of the mevalonate pathway regulate HMGCR degradation and SREBP-2 processing. Journal of Lipid Research, 2019, 60, 1765-1775.	2.0	62
74	Comparative Plasma Lipidome between Human and Cynomolgus Monkey: Are Plasma Polar Lipids Good Biomarkers for Diabetic Monkeys?. PLoS ONE, 2011, 6, e19731.	1.1	62
75	Mycolic acids as diagnostic markers for tuberculosis case detection in humans and drug efficacy in mice. EMBO Molecular Medicine, 2012, 4, 27-37.	3.3	61
76	The identification of antioxidants in dark soy sauce. Free Radical Research, 2007, 41, 479-488.	1.5	60
77	Lanosterol induces mitochondrial uncoupling and protects dopaminergic neurons from cell death in a model for Parkinson's disease. Cell Death and Differentiation, 2012, 19, 416-427.	5.0	60
78	Critical role of SCD1 in autophagy regulation via lipogenesis and lipid rafts-coupled AKT-FOXO1 signaling pathway. Autophagy, 2014, 10, 226-242.	4.3	57
79	Guanylate-binding protein 2 regulates Drp1-mediated mitochondrial fission to suppress breast cancer cell invasion. Cell Death and Disease, 2017, 8, e3151-e3151.	2.7	56
80	Gamma-aminobutyric Acid Enriched Rice Bran Diet Attenuates Insulin Resistance and Balances Energy Expenditure via Modification of Gut Microbiota and Short-Chain Fatty Acids. Journal of Agricultural and Food Chemistry, 2018, 66, 881-890.	2.4	54
81	Dietary fatty acids promote lipid droplet diversity through seipin enrichment in an ER subdomain. Nature Communications, 2019, 10, 2902.	5.8	53
82	Transcriptomic and lipidomic profiles of glycerolipids during <scp>A</scp>rabidopsis flower development. New Phytologist, 2014, 203, 310-322.	3.5	51
83	Serine metabolism antagonizes antiviral innate immunity by preventing ATP6V0d2-mediated YAP lysosomal degradation. Cell Metabolism, 2021, 33, 971-987.e6.	7.2	51
84	Rapid screening and characterisation of antioxidants of Cosmos caudatus using liquid chromatography coupled with mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 827, 127-138.	1.2	48
85	Lipidomics and genomics of Mycobacterium tuberculosis reveal lineageâ€specific trends in mycolic acid biosynthesis. MicrobiologyOpen, 2014, 3, 823-835.	1.2	48
86	N-Octanoylhomoserine lactone signalling mediated by the Bpslâ€“BpsR quorum sensing system plays a major role in biofilm formation of Burkholderia pseudomallei. Microbiology (United Kingdom), 2011, 157, 1176-1186.	0.7	47
87	Phosphatidylinositolâ€hydrolyzing phospholipase C4 modulates rice response to salt and drought. Plant, Cell and Environment, 2019, 42, 536-548.	2.8	46
88	XBP-1-Deficient Plasmablasts Show Normal Protein Folding but Altered Glycosylation and Lipid Synthesis. Journal of Immunology, 2009, 183, 3690-3699.	0.4	45
89	CDP-Diacylglycerol Synthetase Coordinates Cell Growth and Fat Storage through Phosphatidylinositol Metabolism and the Insulin Pathway. PLoS Genetics, 2014, 10, e1004172.	1.5	45
90	Discovering and validating between-subject variations in plasma lipids in healthy subjects. Scientific Reports, 2016, 6, 19139.	1.6	45

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91	Tip60-mediated lipin 1 acetylation and ER translocation determine triacylglycerol synthesis rate. Nature Communications, 2018, 9, 1916.	5.8	44
92	Discovery of broad-spectrum fungicides that block septin-dependent infection processes of pathogenic fungi. Nature Microbiology, 2020, 5, 1565-1575.	5.9	44
93	Sex-dependent effects of ambient PM2.5 pollution on insulin sensitivity and hepatic lipid metabolism in mice. Particle and Fibre Toxicology, 2020, 17, 14.	2.8	44
94	The size and phospholipid composition of lipid droplets can influence their proteome. Biochemical and Biophysical Research Communications, 2011, 415, 455-462.	1.0	43
95	Sequestration of polyunsaturated fatty acids in membrane phospholipids of Caenorhabditis elegans dauer larva attenuates eicosanoid biosynthesis for prolonged survival. Redox Biology, 2017, 12, 967-977.	3.9	42
96	The Attenuation of Diabetic Nephropathy by Annexin A1 via Regulation of Lipid Metabolism Through the AMPK/PPARÎ±/CPT1b Pathway. Diabetes, 2021, 70, 2192-2203.	0.3	42
97	An improved method for the analysis of major antioxidants of Hibiscus esculentus Linn. Journal of Chromatography A, 2004, 1048, 17-24.	1.8	42
98	Longitudinal changes in tear fluid lipidome brought about by eyelid-warming treatment in a cohort of meibomian gland dysfunction. Journal of Lipid Research, 2014, 55, 1959-1969.	2.0	41
99	Plasma Phospholipid and Sphingolipid Alterations in Presenilin1 Mutation Carriers: A Pilot Study. Journal of Alzheimer's Disease, 2016, 50, 887-894.	1.2	40
100	Characterization of Antioxidants and Change of Antioxidant Levels during Storage ofManilkara zapotaL.. Journal of Agricultural and Food Chemistry, 2004, 52, 7834-7841.	2.4	39
101	Caspase-dependent and -independent lipotoxic cell-death pathways in fission yeast. Journal of Cell Science, 2008, 121, 2671-2684.	1.2	39
102	Identification and Validation of Plasma Metabolomic Signatures in Precancerous Gastric Lesions That Progress to Cancer. JAMA Network Open, 2021, 4, e2114186.	2.8	38
103	Nuclear Factor E2-Related Factor 2 Mediates Oxidative Stress-Induced Lipid Accumulation in Adipocytes by Increasing Adipogenesis and Decreasing Lipolysis. Antioxidants and Redox Signaling, 2020, 32, 173-192.	2.5	36
104	The GDSL Lipase MHZ11 Modulates Ethylene Signaling in Rice Roots. Plant Cell, 2020, 32, 1626-1643.	3.1	36
105	Docosapentaenoic acid (DPA) is a critical determinant of cubic membrane formation in amoeba Chaos mitochondria. FASEB Journal, 2009, 23, 2866-2871.	0.2	35
106	Lipidomic analyses of the mouse brain after antidepressant treatment: evidence for endogenous release of long-chain fatty acids?. International Journal of Neuropsychopharmacology, 2009, 12, 953.	1.0	35
107	Characterization of Substrate Preference for Slc1p and Cst26p in Saccharomyces cerevisiae Using Lipidomic Approaches and an LPAAT Activity Assay. PLoS ONE, 2010, 5, e11956.	1.1	34
108	Cidea Control of Lipid Storage and Secretion in Mouse and Human Sebaceous Glands. Molecular and Cellular Biology, 2014, 34, 1827-1838.	1.1	34

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109	Mea6 controls VLDL transport through the coordinated regulation of COPII assembly. Cell Research, 2016, 26, 787-804.	5.7	34
110	Screening and Identification of Antioxidants in Biological Samples Using High-Performance Liquid Chromatographyâ^'Mass Spectrometry and Its Application onSalacca edulisReinw. Journal of Agricultural and Food Chemistry, 2005, 53, 880-886.	2.4	33
111	Ablation of Dihydroceramide Desaturase Confers Resistance to Etoposide-Induced Apoptosis In Vitro. PLoS ONE, 2012, 7, e44042.	1.1	33
112	High-coverage lipidomics for functional lipid and pathway analyses. Analytica Chimica Acta, 2021, 1147, 199-210.	2.6	33
113	A model of flux regulation in the cholesterol biosynthesis pathway: Immune mediated graduated flux reduction versus statin-like led stepped flux reduction. Biochimie, 2013, 95, 613-621.	1.3	32
114	Liver ChREBP Protects Against Fructose-Induced Glycogenic Hepatotoxicity by Regulating L-Type Pyruvate Kinase. Diabetes, 2020, 69, 591-602.	0.3	32
115	Biological relevance of fatty acyl heterogeneity to the neural membrane dynamics of Rhesus macaques during normative aging. Oncotarget, 2016, 7, 55970-55989.	0.8	32
116	A multi-tissue multi-omics analysis reveals distinct kineztics in entrainment of diurnal transcriptomes by inverted feeding. IScience, 2021, 24, 102335.	1.9	31
117	Effects of a high-fat, high-cholesterol diet on brain lipid profiles in apolipoprotein E É›3 and É›4 knock-in mice. Neurobiology of Aging, 2013, 34, 2217-2224.	1.5	30
118	Constant Light Exposure Alters Gut Microbiota and Promotes the Progression of Steatohepatitis in High Fat Diet Rats. Frontiers in Microbiology, 2020, 11, 1975.	1.5	30
119	Stepwise selection of natural variations at CTB2 and CTB4a improves cold adaptation during domestication of japonica rice. New Phytologist, 2021, 231, 1056-1072.	3.5	30
120	Profiling Brain and Plasma Lipids in Human APOE Îµ2, Îµ3, and Îµ4 Knock-in Mice Using Electrospray Ionization Mass Spectrometry. Journal of Alzheimer's Disease, 2010, 20, 105-111.	1.2	29
121	Neonatal overnutrition in mice exacerbates high-fat diet-induced metabolic perturbations. Journal of Endocrinology, 2013, 219, 131-143.	1.2	29
122	HDAC6 Suppresses Age-Dependent Ectopic Fat Accumulation by Maintaining the Proteostasis of PLIN2 in Drosophila. Developmental Cell, 2017, 43, 99-111.e5.	3.1	28
123	Role of VAMP7-Dependent Secretion of Reticulon 3 in Neurite Growth. Cell Reports, 2020, 33, 108536.	2.9	28
124	Rapid and sensitive profiling of tear wax ester species using high performance liquid chromatography coupled with tandem mass spectrometry. Journal of Chromatography A, 2013, 1308, 166-171.	1.8	26
125	Neonatal Respiratory Failure with Retarded Perinatal Lung Maturation in Mice Caused by Reticulocalbin 3 Disruption. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 410-423.	1.4	26
126	Drosophila TRF2 and TAF9 regulate lipid droplet size and phospholipid fatty acid composition. PLoS Genetics, 2017, 13, e1006664.	1.5	26

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127	Structural basis for activity of TRIC counter-ion channels in calcium release. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4238-4243.	3.3	26
128	The effect of APOE genotype on brain levels of oxysterols in young and old human APOE Îµ2, Îµ3 and Îµ4 knock-in mice. Neuroscience, 2010, 169, 109-115.	1.1	25
129	Targeted lipidomics and transcriptomics profiling reveal the heterogeneity of visceral and subcutaneous white adipose tissue. Life Sciences, 2020, 245, 117352.	2.0	25
130	Convergent genomic signatures of flight loss in birds suggest a switch of main fuel. Nature Communications, 2019, 10, 2756.	5.8	24
131	Comprehensive Lipidome Profiling of the Kidney in Early-Stage Diabetic Nephropathy. Frontiers in Endocrinology, 2020, 11, 359.	1.5	24
132	Neuronal lipolysis participates in PUFAâ€mediated neural function and neurodegeneration. EMBO Reports, 2020, 21, e50214.	2.0	24
133	Polar lipid derangements in type 2 diabetes mellitus: potential pathological relevance of fatty acyl heterogeneity in sphingolipids. Metabolomics, 2013, 9, 786-799.	1.4	23
134	Evaluation of Dietary Effects on Hepatic Lipids in High Fat and Placebo Diet Fed Rats by In Vivo MRS and LC-MS Techniques. PLoS ONE, 2014, 9, e91436.	1.1	23
135	Comprehensive Analysis of Lipid Composition in Crude Palm Oil Using Multiple Lipidomic Approaches. Journal of Genetics and Genomics, 2014, 41, 293-304.	1.7	23
136	ACBD3 is required for FAPP2 transferring glucosylceramide through maintaining the Golgi integrity. Journal of Molecular Cell Biology, 2019, 11, 107-117.	1.5	23
137	A robust, integrated platform for comprehensive analyses of acyl-coenzyme As and acyl-carnitines revealed chain length-dependent disparity in fatty acyl metabolic fates across Drosophila development. Science Bulletin, 2020, 65, 1840-1848.	4.3	23
138	AP2/ERF and R2R3-MYB family transcription factors: potential associations between temperature stress and lipid metabolism in Auxenochlorella protothecoides. Biotechnology for Biofuels, 2021, 14, 22.	6.2	23
139	Lipidomics reveals the difference of membrane lipid catabolism between chilling injury sensitive and non-sensitive green bell pepper in response to chilling. Postharvest Biology and Technology, 2021, 182, 111714.	2.9	22
140	Precise Metabolomics Reveals a Diversity of Agingâ€Associated Metabolic Features. Small Methods, 2022, 6, e2200130.	4.6	22
141	What can lipidomics tell us about the pathogenesis of Alzheimer disease?. Biological Chemistry, 2015, 396, 1281-1291.	1.2	21
142	Metabolomics through the lens of precision cardiovascular medicine. Journal of Genetics and Genomics, 2017, 44, 127-138.	1.7	21
143	Abc3-Mediated Efflux of an Endogenous Digoxin-like Steroidal Glycoside by Magnaporthe oryzae Is Necessary for Host Invasion during Blast Disease. PLoS Pathogens, 2012, 8, e1002888.	2.1	20
144	An integrated method for direct interrogation of sphingolipid homeostasis in the heart and brain tissues of mice through postnatal development up to reproductive senescence. Analytica Chimica Acta, 2018, 1037, 152-158.	2.6	20

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145	Cryo-EM structure of trimeric Mycobacterium smegmatis succinate dehydrogenase with a membrane-anchor SdhF. Nature Communications, 2020, 11, 4245.	5.8	20
146	Disturbance of Fatty Acid Desaturation Mediated by FADS2 in Mesenteric Adipocytes Contributes to Chronic Inflammation of Crohnâ€™s Disease. Journal of Crohn's and Colitis, 2020, 14, 1581-1599.	0.6	20
147	Lipidomics insight into chronic exposure to ambient air pollution in mice. Environmental Pollution, 2020, 262, 114668.	3.7	20
148	Phosphatidylserine synthase regulates cellular homeostasis through distinct metabolic mechanisms. PLoS Genetics, 2019, 15, e1008548.	1.5	19
149	cTAGE5/MEA6 plays a critical role in neuronal cellular components trafficking and brain development. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9449-E9458.	3.3	18
150	Quantitative Lipidomics and Spatial MS-Imaging Uncovered Neurological and Systemic Lipid Metabolic Pathways Underlying Troglomorphic Adaptations in Cave-Dwelling Fish. Molecular Biology and Evolution, 2022, 39, .	3.5	18
151	Role of tetanus neurotoxin insensitive vesicle-associated membrane protein in membrane domains transport and homeostasis. Cellular Logistics, 2015, 5, e1025182.	0.9	17
152	Architecture of the mycobacterial succinate dehydrogenase with a membrane-embedded Rieske FeS cluster. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
153	AGPAT2 interaction with CDP-diacylglycerol synthases promotes the flux of fatty acids through the CDP-diacylglycerol pathway. Nature Communications, 2021, 12, 6877.	5.8	17
154	An ethA-ethR -Deficient Mycobacterium bovis BCG Mutant Displays Increased Adherence to Mammalian Cells and Greater Persistence In Vivo , Which Correlate with Altered Mycolic Acid Composition. Infection and Immunity, 2014, 82, 1850-1859.	1.0	16
155	Rebaudioside A Enhances Resistance to Oxidative Stress and Extends Lifespan and Healthspan in Caenorhabditis elegans. Antioxidants, 2021, 10, 262.	2.2	16
156	Role of prefrontal cortical calcium independent phospholipase A2 in antidepressant-like effect of maprotiline. International Journal of Neuropsychopharmacology, 2012, 15, 1087-1098.	1.0	15
157	Requirement of cytosolic phospholipase A2 gamma in lipid droplet formation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 692-705.	1.2	15
158	Lipid Profiling Reveals Browning Heterogeneity of White Adipose Tissue by Î²3-Adrenergic Stimulation. Biomolecules, 2019, 9, 444.	1.8	15
159	Time to eat reveals the hierarchy of peripheral clocks. Trends in Cell Biology, 2021, 31, 869-872.	3.6	15
160	Lipid Anti-Lipid Antibody Responses Correlate with Disease Activity in Systemic Lupus Erythematosus. PLoS ONE, 2013, 8, e55639.	1.1	15
161	Neurological aspects of SARS-CoV-2 infection: lipoproteins and exosomes as Trojan horses. Trends in Endocrinology and Metabolism, 2022, 33, 554-568.	3.1	15
162	Acsl, the Drosophila ortholog of intellectual disability-related ACSL4, inhibits synaptic growth by altered lipids. Journal of Cell Science, 2016, 129, 4034-4045.	1.2	14

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163	NCP2/RHD4/SAC7, SAC6 and SAC8 phosphoinositide phosphatases are required for PtdIns4P and PtdIns(4,5)P2 homeostasis and Arabidopsis development. New Phytologist, 2021, 231, 713-725.	3.5	14
164	Effects of constant light exposure on sphingolipidomics and progression of NASH in highâ€fatâ€fed rats. Journal of Gastroenterology and Hepatology (Australia), 2020, 35, 1978-1989.	1.4	13
165	Localized increases in CEPT1 and ATGL elevate plasmalogen phosphatidylcholines in HDLs contributing to atheroprotective lipid profiles in hyperglycemic GCK-MODY. Redox Biology, 2021, 40, 101855.	3.9	13
166	Integration of Metabolomics and Transcriptomics Reveals Ketone Body and Lipid Metabolism Disturbance Related to ER Stress in the Liver. Journal of Proteome Research, 2021, 20, 3875-3888.	1.8	13
167	TPS1 drug design for rice blast disease in magnaporthe oryzae. SpringerPlus, 2014, 3, 18.	1.2	12
168	Adipose lipidomics and RNA-Seq analysis revealed the enhanced mitochondrial function in UCP1 knock-in pigs. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 1375-1383.	1.2	12
169	Extensive Profiling of Polyphenols from Two Trollius Species Using a Combination of Untargeted and Targeted Approaches. Metabolites, 2020, 10, 119.	1.3	12
170	The role of glutathione-mediated triacylglycerol synthesis in the response to ultra-high cadmium stress in Auxenochlorella protothecoides. Journal of Environmental Sciences, 2021, 108, 58-69.	3.2	12
171	Distribution of Secretory Phospholipase A2 XIIA in the Brain and its Role in Lipid Metabolism and Cognition. Molecular Neurobiology, 2014, 50, 60-75.	1.9	11
172	Rnf20 deficiency in adipocyte impairs adipose tissue development and thermogenesis. Protein and Cell, 2021, 12, 475-492.	4.8	11
173	Plasma lipids signify the progression of precancerous gastric lesions to gastric cancer: a prospective targeted lipidomics study. Theranostics, 2022, 12, 4671-4683.	4.6	11
174	A harlequin ichthyosis pig model with a novel ABCA12 mutation can be rescued by acitretin treatment. Journal of Molecular Cell Biology, 2019, 11, 1029-1041.	1.5	10
175	Untargeted LCâ€“MS Data Preprocessing in Metabolomics. Journal of Analysis and Testing, 2017, 1, 187-192.	2.5	9
176	Lipid-gene regulatory network reveals coregulations of triacylglycerol with phosphatidylinositol/lysophosphatidylinositol and with hexosyl-ceramide. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 168-180.	1.2	9
177	RICE ACYL-COA-BINDING PROTEIN6 Affects Acyl-CoA Homeostasis and Growth in Rice. Rice, 2020, 13, 75.	1.7	9
178	ZmCTLP1 is required for the maintenance of lipid homeostasis and the basal endosperm transfer layer in maize kernels. New Phytologist, 2021, 232, 2384-2399.	3.5	9
179	Hepatic CDP-diacylglycerol synthase 2 deficiency causes mitochondrial dysfunction and promotes rapid progression of NASH and fibrosis. Science Bulletin, 2022, 67, 299-314.	4.3	8
180	Activity-dependent PI4P synthesis by PI4KIIIÎ± regulates long-term synaptic potentiation. Cell Reports, 2022, 38, 110452.	2.9	8

#	Article	IF	Citations
181	GM130 regulates pulmonary surfactant protein secretion in alveolar type II cells. Science China Life Sciences, 2022, 65, 193-205.	2.3	7
182	Targeted lipidomics reveals associations between serum sphingolipids and insulin sensitivity measured by the hyperinsulinemic-euglycemic clamp. Diabetes Research and Clinical Practice, 2021, 173, 108699.	1.1	7
183	BLOS1 mediates kinesin switch during endosomal recycling of LDL receptor. ELife, 2020, 9, .	2.8	7
184	Hepatic loss of CerS2 induces cell division defects via a mad2â€mediated pathway. Clinical and Translational Medicine, 2022, 12, e712.	1.7	7
185	Metabolomics-Based Frailty Biomarkers in Older Chinese Adults. Frontiers in Medicine, 2021, 8, 830723.	1.2	7
186	GBA1-dependent membrane glucosylceramide reprogramming promotes liver cancer metastasis via activation of the Wnt/Î²-catenin signalling pathway. Cell Death and Disease, 2022, 13, .	2.7	7
187	Brain lipid changes after repetitive transcranial magnetic stimulation: potential links to therapeutic effects?. Metabolomics, 2012, 8, 19-33.	1.4	6
188	Î³-Aminobutyric Acid Attenuates High-Fat Diet-Induced Cerebral Oxidative Impairment via Enhanced Synthesis of Hippocampal Sulfatides. Journal of Agricultural and Food Chemistry, 2019, 67, 1081-1091.	2.4	6
189	Comprehensive lipidomics in apoM mice reveals an overall state of metabolic distress and attenuated hepatic lipid secretion into the circulation. Journal of Genetics and Genomics, 2020, 47, 523-534.	1.7	6
190	Untargeted metabolomics and transcriptomics identified glutathione metabolism disturbance and PCS and TMAO as potential biomarkers for ER stress in lung. Scientific Reports, 2021, 11, 14680.	1.6	6
191	Constant light exposure alters gut microbiota and shortâ€mediumâ€chain fatty acids and aggravates PCOSâ€like traits in HFDâ€fed rats. Obesity, 2022, 30, 694-706.	1.5	6
192	A collective statement in support of saving pangolins. Science of the Total Environment, 2022, 824, 153666.	3.9	6
193	Altered Expression Profile of Phosphatidylinositols in Erythrocytes of Alzheimerâ€™s Disease and Amnestic Mild Cognitive Impairment Patients. Journal of Alzheimer's Disease, 2020, 73, 811-818.	1.2	5
194	Multifaceted role of nitric oxide in anâ€,in vitroâ€,mouse neuronal injury model: transcriptomic profiling defines the temporal recruitment of death signalling cascades. Journal of Cellular and Molecular Medicine, 2012, 16, 41-58.	1.6	4
195	Plasma lipidomic profiling in murine mutants of Hermanskyâ€“Pudlak syndrome reveals differential changes in pro- and anti-atherosclerotic lipids. Bioscience Reports, 2019, 39, .	1.1	4
196	Systematic Discovery and Pathway Analyses of Metabolic Disturbance in COVID-19. Infectious Diseases & Immunity, 2021, 1, 74-85.	0.2	4
197	Dogs lacking Apolipoprotein E show advanced atherosclerosis leading to apparent clinical complications. Science China Life Sciences, 2022, 65, 1342-1356.	2.3	4
198	Higher Serum Lysophosphatidic Acids Predict Left Ventricular Reverse Remodeling in Pediatric Dilated Cardiomyopathy. Frontiers in Pediatrics, 2021, 9, 710720.	0.9	3

#	Article	IF	Citations
199	Targeted lipidomics reveals plasmalogen phosphatidylethanolamines and storage triacylglycerols as the major systemic lipid aberrations in Bietti crystalline corneoretinal dystrophy. Journal of Genetics and Genomics, 2022, 49, 380-383.	1.7	3
200	The specific glycerolipid composition is responsible for maintaining the membrane stability of Physcomitrella patens under dehydration stress. Journal of Plant Physiology, 2022, 268, 153590.	1.6	3
201	Mesenteric lymph system constitutes the second route in gutâ€“liver axis and transports metabolism-modulating gut microbial metabolites. Journal of Genetics and Genomics, 2022, 49, 612-623.	1.7	3
202	Induction of autophagy by palmitic acid via protein kinase C-mediated signaling pathway independent of mTOR (mammalian target of rapamycin).. Journal of Biological Chemistry, 2014, 289, 9501.	1.6	2
203	Lipid storage regulator CdsA is essential for Drosophila metamorphosis. Journal of Genetics and Genomics, 2019, 46, 231-234.	1.7	2
204	Metabolic Basis of Cognitive Improvement Associated With Active B Vitamin Supplementation in Cognitively Impaired Elderly Subjects â€“ A Metabolomics Study. Frontiers in Medicine, 2022, 9, 864152.	1.2	1
205	Systems level analysis of lipidome. Frontiers in Biology, 2011, 6, 183-189.	0.7	0
206	Lipid Is Moving to the Forefront of Bio-Medical Research. Journal of Genetics and Genomics, 2014, 41, 229-230.	1.7	0
207	Erratum for Ang et al., AnethA-ethR-Deficient Mycobacterium bovis BCG Mutant Displays Increased Adherence to Mammalian Cells and Greater PersistenceIn Vivo, Which Correlate with Altered Mycolic Acid Composition. Infection and Immunity, 2015, 83, 846-846.	1.0	0
208	An Integrated Transcriptomics and Lipidomics Analysis Reveals That Ergosterol Is Required for Host Defense Against Bacterial Infection in Drosophila. Frontiers in Immunology, 0, 13, .	2.2	0