

Guang-Hou Shui

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

201
papers

11,637
citations

57
h-index

104
g-index

220
ext. papers

14,037
ext. citations

8.1
avg. IF

6.21
L-index

#	Paper	IF	Citations
201	Hepatic loss of CerS2 induces cell division defects via a mad2-mediated pathway.. <i>Clinical and Translational Medicine</i> , 2022 , 12, e712	5.7	0
200	The specific glycerolipid composition is responsible for maintaining the membrane stability of <i>Physcomitrella patens</i> under dehydration stress.. <i>Journal of Plant Physiology</i> , 2022 , 268, 153590	3.6	1
199	Activity-dependent PI4P synthesis by PI4KIIIβ regulates long-term synaptic potentiation.. <i>Cell Reports</i> , 2022 , 38, 110452	10.6	1
198	A collective statement in support of saving pangolins.. <i>Science of the Total Environment</i> , 2022 , 153666	10.2	0
197	Metabolic Basis of Cognitive Improvement Associated With Active B Vitamin Supplementation in Cognitively Impaired Elderly Subjects - A Metabolomics Study.. <i>Frontiers in Medicine</i> , 2022 , 9, 864152	4.9	1
196	Precise Metabolomics Reveals a Diversity of Aging-Associated Metabolic Features.. <i>Small Methods</i> , 2022 , e2200130	12.8	0
195	GBA1-dependent membrane glucosylceramide reprogramming promotes liver cancer metastasis via activation of the Wnt/βcatenin signalling pathway. <i>Cell Death and Disease</i> , 2022 , 13,	9.8	1
194	Metabolomics-Based Frailty Biomarkers in Older Chinese Adults.. <i>Frontiers in Medicine</i> , 2021 , 8, 830723	4.9	0
193	AGPAT2 interaction with CDP-diacylglycerol synthases promotes the flux of fatty acids through the CDP-diacylglycerol pathway. <i>Nature Communications</i> , 2021 , 12, 6877	17.4	4
192	Targeted lipidomics reveals plasmalogen phosphatidylethanolamines and storage triacylglycerols as the major systemic lipid aberrations in Bietti crystalline corneoretinal dystrophy. <i>Journal of Genetics and Genomics</i> , 2021 ,	4	0
191	Hepatic CDP-diacylglycerol synthase 2 deficiency causes mitochondrial dysfunction and promotes rapid progression of NASH and fibrosis. <i>Science Bulletin</i> , 2021 , 67, 299-299	10.6	
190	Dogs lacking Apolipoprotein E show advanced atherosclerosis leading to apparent clinical complications. <i>Science China Life Sciences</i> , 2021 , 1	8.5	0
189	GM130 regulates pulmonary surfactant protein secretion in alveolar type II cells. <i>Science China Life Sciences</i> , 2021 , 1	8.5	2
188	Targeted lipidomics reveals associations between serum sphingolipids and insulin sensitivity measured by the hyperinsulinemic-euglycemic clamp. <i>Diabetes Research and Clinical Practice</i> , 2021 , 173, 108699	7.4	1
187	A multi-tissue multi-omics analysis reveals distinct kinetics in entrainment of diurnal transcriptomes by inverted feeding. <i>iScience</i> , 2021 , 24, 102335	6.1	8
186	Localized increases in CEPT1 and ATGL elevate plasmalogen phosphatidylcholines in HDLs contributing to atheroprotective lipid profiles in hyperglycemic GCK-MODY. <i>Redox Biology</i> , 2021 , 40, 101855	11.3	6
185	Architecture of the mycobacterial succinate dehydrogenase with a membrane-embedded Rieske FeS cluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1

184	NCP2/RHD4/SAC7, SAC6 and SAC8 phosphoinositide phosphatases are required for PtdIns4P and PtdIns(4,5)P2 homeostasis and Arabidopsis development. <i>New Phytologist</i> , 2021 , 231, 713-725	9.8	8
183	Serine metabolism antagonizes antiviral innate immunity by preventing ATP6V0d2-mediated YAP lysosomal degradation. <i>Cell Metabolism</i> , 2021 , 33, 971-987.e6	24.6	13
182	Systematic Discovery and Pathway Analyses of Metabolic Disturbance in COVID-19. <i>Infectious Diseases & Immunity</i> , 2021 , 1, 74-85		2
181	The Attenuation of Diabetic Nephropathy by Annexin A1 via Regulation of Lipid Metabolism Through the AMPK/PPAR α /CPT1b Pathway. <i>Diabetes</i> , 2021 , 70, 2192-2203	0.9	5
180	Identification and Validation of Plasma Metabolomic Signatures in Precancerous Gastric Lesions That Progress to Cancer. <i>JAMA Network Open</i> , 2021 , 4, e2114186	10.4	4
179	A multi-omics investigation of the composition and function of extracellular vesicles along the temporal trajectory of COVID-19. <i>Nature Metabolism</i> , 2021 , 3, 909-922	14.6	24
178	Stepwise selection of natural variations at CTB2 and CTB4a improves cold adaptation during domestication of japonica rice. <i>New Phytologist</i> , 2021 , 231, 1056-1072	9.8	3
177	Untargeted metabolomics and transcriptomics identified glutathione metabolism disturbance and PCS and TMAO as potential biomarkers for ER stress in lung. <i>Scientific Reports</i> , 2021 , 11, 14680	4.9	1
176	Rnf20 deficiency in adipocyte impairs adipose tissue development and thermogenesis. <i>Protein and Cell</i> , 2021 , 12, 475-492	7.2	3
175	High-coverage lipidomics for functional lipid and pathway analyses. <i>Analytica Chimica Acta</i> , 2021 , 1147, 199-210	6.6	16
174	Rebaudioside A Enhances Resistance to Oxidative Stress and Extends Lifespan and Healthspan in. <i>Antioxidants</i> , 2021 , 10,	7.1	7
173	Integration of Metabolomics and Transcriptomics Reveals Ketone Body and Lipid Metabolism Disturbance Related to ER Stress in the Liver. <i>Journal of Proteome Research</i> , 2021 , 20, 3875-3888	5.6	0
172	Higher Serum Lysophosphatidic Acids Predict Left Ventricular Reverse Remodeling in Pediatric Dilated Cardiomyopathy. <i>Frontiers in Pediatrics</i> , 2021 , 9, 710720	3.4	1
171	ZmCTL1P1 is required for the maintenance of lipid homeostasis and the basal endosperm transfer layer in maize kernels. <i>New Phytologist</i> , 2021 , 232, 2384-2399	9.8	1
170	Time to eat reveals the hierarchy of peripheral clocks. <i>Trends in Cell Biology</i> , 2021 , 31, 869-872	18.3	3
169	The role of glutathione-mediated triacylglycerol synthesis in the response to ultra-high cadmium stress in <i>Auxenochlorella protothecoides</i> . <i>Journal of Environmental Sciences</i> , 2021 , 108, 58-69	6.4	4
168	Lipidomics reveals the difference of membrane lipid catabolism between chilling injury sensitive and non-sensitive green bell pepper in response to chilling. <i>Postharvest Biology and Technology</i> , 2021 , 182, 111714	6.2	2
167	AP2/ERF and R2R3-MYB family transcription factors: potential associations between temperature stress and lipid metabolism in <i>Auxenochlorella protothecoides</i> . <i>Biotechnology for Biofuels</i> , 2021 , 14, 22	7.8	7

166	Disturbance of Fatty Acid Desaturation Mediated by FADS2 in Mesenteric Adipocytes Contributes to Chronic Inflammation of Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2020 , 14, 1581-1599	1.5	7
165	Omics-Driven Systems Interrogation of Metabolic Dysregulation in COVID-19 Pathogenesis. <i>Cell Metabolism</i> , 2020 , 32, 188-202.e5	24.6	199
164	Comprehensive Lipidome Profiling of the Kidney in Early-Stage Diabetic Nephropathy. <i>Frontiers in Endocrinology</i> , 2020 , 11, 359	5.7	7
163	The GDSL Lipase MHZ11 Modulates Ethylene Signaling in Rice Roots. <i>Plant Cell</i> , 2020 , 32, 1626-1643	11.6	9
162	Extensive Profiling of Polyphenols from two Species Using a Combination of Untargeted and Targeted Approaches. <i>Metabolites</i> , 2020 , 10,	5.6	7
161	RIPK3 Orchestrates Fatty Acid Metabolism in Tumor-Associated Macrophages and Hepatocarcinogenesis. <i>Cancer Immunology Research</i> , 2020 , 8, 710-721	12.5	36
160	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. <i>Science Bulletin</i> , 2020 , 65, 1840-1848	10.6	10
159	Effects of constant light exposure on sphingolipidomics and progression of NASH in high-fat-fed rats. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020 , 35, 1978-1989	4	4
158	Liver ChREBP Protects Against Fructose-Induced Glycogenic Hepatotoxicity by Regulating L-Type Pyruvate Kinase. <i>Diabetes</i> , 2020 , 69, 591-602	0.9	13
157	Targeted lipidomics and transcriptomics profiling reveal the heterogeneity of visceral and subcutaneous white adipose tissue. <i>Life Sciences</i> , 2020 , 245, 117352	6.8	10
156	Cyanidin-3-O-glucoside improves non-alcoholic fatty liver disease by promoting PINK1-mediated mitophagy in mice. <i>British Journal of Pharmacology</i> , 2020 , 177, 3591-3607	8.6	26
155	Lipidomics insight into chronic exposure to ambient air pollution in mice. <i>Environmental Pollution</i> , 2020 , 262, 114668	9.3	9
154	Neuronal lipolysis participates in PUFA-mediated neural function and neurodegeneration. <i>EMBO Reports</i> , 2020 , 21, e50214	6.5	4
153	BLOS1 mediates kinesin switch during endosomal recycling of LDL receptor. <i>ELife</i> , 2020 , 9,	8.9	1
152	Role of VAMP7-Dependent Secretion of Reticulon 3 in Neurite Growth. <i>Cell Reports</i> , 2020 , 33, 108536	10.6	9
151	Nuclear Factor E2-Related Factor 2 Mediates Oxidative Stress-Induced Lipid Accumulation in Adipocytes by Increasing Adipogenesis and Decreasing Lipolysis. <i>Antioxidants and Redox Signaling</i> , 2020 , 32, 173-192	8.4	18
150	Myristoleic acid produced by enterococci reduces obesity through brown adipose tissue activation. <i>Gut</i> , 2020 , 69, 1239-1247	19.2	56
149	Harnessing the intracellular triacylglycerols for titer improvement of polyketides in <i>Streptomyces</i> . <i>Nature Biotechnology</i> , 2020 , 38, 76-83	44.5	57

148	Altered Expression Profile of Phosphatidylinositols in Erythrocytes of Alzheimer's Disease and Amnesic Mild Cognitive Impairment Patients. <i>Journal of Alzheimer's Disease</i> , 2020 , 73, 811-818	4.3	2
147	Integration of lipidomics and metabolomics for in-depth understanding of cellular mechanism and disease progression. <i>Journal of Genetics and Genomics</i> , 2020 , 47, 69-83	4	34
146	Comprehensive lipidomics in apoM mice reveals an overall state of metabolic distress and attenuated hepatic lipid secretion into the circulation. <i>Journal of Genetics and Genomics</i> , 2020 , 47, 523-534	4.4	3
145	RICE ACYL-COA-BINDING PROTEIN6 Affects Acyl-CoA Homeostasis and Growth in Rice. <i>Rice</i> , 2020 , 13, 75	5.8	4
144	Constant Light Exposure Alters Gut Microbiota and Promotes the Progression of Steatohepatitis in High Fat Diet Rats. <i>Frontiers in Microbiology</i> , 2020 , 11, 1975	5.7	10
143	Discovery of broad-spectrum fungicides that block septin-dependent infection processes of pathogenic fungi. <i>Nature Microbiology</i> , 2020 , 5, 1565-1575	26.6	9
142	Cryo-EM structure of trimeric Mycobacterium smegmatis succinate dehydrogenase with a membrane-anchor SdhF. <i>Nature Communications</i> , 2020 , 11, 4245	17.4	6
141	Cholesterol biosynthesis supports the growth of hepatocarcinoma lesions depleted of fatty acid synthase in mice and humans. <i>Gut</i> , 2020 , 69, 177-186	19.2	52
140	Sex-dependent effects of ambient PM pollution on insulin sensitivity and hepatic lipid metabolism in mice. <i>Particle and Fibre Toxicology</i> , 2020 , 17, 14	8.4	15
139	Endogenous sterol intermediates of the mevalonate pathway regulate HMGCR degradation and SREBP-2 processing. <i>Journal of Lipid Research</i> , 2019 , 60, 1765-1775	6.3	38
138	Lipid Profiling Reveals Browning Heterogeneity of White Adipose Tissue by β -Adrenergic Stimulation. <i>Biomolecules</i> , 2019 , 9,	5.9	8
137	High-Coverage Targeted Lipidomics Reveals Novel Serum Lipid Predictors and Lipid Pathway Dysregulation Antecedent to Type 2 Diabetes Onset in Normoglycemic Chinese Adults. <i>Diabetes Care</i> , 2019 , 42, 2117-2126	14.6	55
136	Convergent genomic signatures of flight loss in birds suggest a switch of main fuel. <i>Nature Communications</i> , 2019 , 10, 2756	17.4	15
135	Lipid storage regulator CdsA is essential for Drosophila metamorphosis. <i>Journal of Genetics and Genomics</i> , 2019 , 46, 231-234	4	2
134	Microbiota Depletion Impairs Thermogenesis of Brown Adipose Tissue and Browning of White Adipose Tissue. <i>Cell Reports</i> , 2019 , 26, 2720-2737.e5	10.6	100
133	Plasma lipidomic profiling in murine mutants of Hermansky-Pudlak syndrome reveals differential changes in pro- and anti-atherosclerotic lipids. <i>Bioscience Reports</i> , 2019 , 39,	4.1	1
132	A harlequin ichthyosis pig model with a novel ABCA12 mutation can be rescued by acitretin treatment. <i>Journal of Molecular Cell Biology</i> , 2019 , 11, 1029-1041	6.3	6
131	Structural basis for activity of TRIC counter-ion channels in calcium release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 4238-4243	11.5	12

130	ACBD3 is required for FAPP2 transferring glucosylceramide through maintaining the Golgi integrity. <i>Journal of Molecular Cell Biology</i> , 2019 , 11, 107-117	6.3	12
129	Dietary fatty acids promote lipid droplet diversity through seipin enrichment in an ER subdomain. <i>Nature Communications</i> , 2019 , 10, 2902	17.4	32
128	Adipose lipidomics and RNA-Seq analysis revealed the enhanced mitochondrial function in UCP1 knock-in pigs. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 1375-1383	5	7
127	Salicylic acid-mediated plasmodesmal closure via Remorin-dependent lipid organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21274-21284	11.5	55
126	Phosphatidylserine synthase regulates cellular homeostasis through distinct metabolic mechanisms. <i>PLoS Genetics</i> , 2019 , 15, e1008548	6	8
125	Phosphatidylinositol-hydrolyzing phospholipase C4 modulates rice response to salt and drought. <i>Plant, Cell and Environment</i> , 2019 , 42, 536-548	8.4	25
124	Lipid-gene regulatory network reveals core-regulations of triacylglycerol with phosphatidylinositol/lysophosphatidylinositol and with hexosyl-ceramide. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 168-180	5	7
123	γ-Aminobutyric Acid Attenuates High-Fat Diet-Induced Cerebral Oxidative Impairment via Enhanced Synthesis of Hippocampal Sulfatides. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 1081-1091	5.7	3
122	An integrated method for direct interrogation of sphingolipid homeostasis in the heart and brain tissues of mice through postnatal development up to reproductive senescence. <i>Analytica Chimica Acta</i> , 2018 , 1037, 152-158	6.6	13
121	Gamma-aminobutyric Acid Enriched Rice Bran Diet Attenuates Insulin Resistance and Balances Energy Expenditure via Modification of Gut Microbiota and Short-Chain Fatty Acids. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 881-890	5.7	37
120	Seipin regulates lipid homeostasis by ensuring calcium-dependent mitochondrial metabolism. <i>EMBO Journal</i> , 2018 , 37,	13	32
119	An electron transfer path connects subunits of a mycobacterial respiratory supercomplex. <i>Science</i> , 2018 , 362,	33.3	76
118	cTAGE5/MEA6 plays a critical role in neuronal cellular components trafficking and brain development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E9449-E9458	11.5	13
117	Tip60-mediated lipin 1 acetylation and ER translocation determine triacylglycerol synthesis rate. <i>Nature Communications</i> , 2018 , 9, 1916	17.4	28
116	Lipidomics, en route to accurate quantitation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 752-761	5	52
115	Selection for a Zinc-Finger Protein Contributes to Seed Oil Increase during Soybean Domestication. <i>Plant Physiology</i> , 2017 , 173, 2208-2224	6.6	38
114	Sequestration of polyunsaturated fatty acids in membrane phospholipids of <i>Caenorhabditis elegans</i> dauer larva attenuates eicosanoid biosynthesis for prolonged survival. <i>Redox Biology</i> , 2017 , 12, 967-977	11.3	28
113	Requirement of cytosolic phospholipase A2 gamma in lipid droplet formation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 692-705	5	7

112	Metabolomics through the lens of precision cardiovascular medicine. <i>Journal of Genetics and Genomics</i> , 2017 , 44, 127-138	4	17
111	HDAC6 Suppresses Age-Dependent Ectopic Fat Accumulation by Maintaining the Proteostasis of PLIN2 in Drosophila. <i>Developmental Cell</i> , 2017 , 43, 99-111.e5	10.2	16
110	GDSL lipases modulate immunity through lipid homeostasis in rice. <i>PLoS Pathogens</i> , 2017 , 13, e1006724	7.6	59
109	Drosophila TRF2 and TAF9 regulate lipid droplet size and phospholipid fatty acid composition. <i>PLoS Genetics</i> , 2017 , 13, e1006664	6	19
108	Untargeted LC/MS Data Preprocessing in Metabolomics. <i>Journal of Analysis and Testing</i> , 2017 , 1, 187-192	3.2	8
107	Guanylate-binding protein 2 regulates Drp1-mediated mitochondrial fission to suppress breast cancer cell invasion. <i>Cell Death and Disease</i> , 2017 , 8, e3151	9.8	33
106	Plasma Phospholipid and Sphingolipid Alterations in Presenilin1 Mutation Carriers: A Pilot Study. <i>Journal of Alzheimer's Disease</i> , 2016 , 50, 887-94	4.3	29
105	Discovering and validating between-subject variations in plasma lipids in healthy subjects. <i>Scientific Reports</i> , 2016 , 6, 19139	4.9	37
104	Mea6 controls VLDL transport through the coordinated regulation of COPII assembly. <i>Cell Research</i> , 2016 , 26, 787-804	24.7	21
103	Neonatal Respiratory Failure with Retarded Perinatal Lung Maturation in Mice Caused by Reticulocalbin 3 Disruption. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 54, 410-23	5.7	18
102	Biological relevance of fatty acyl heterogeneity to the neural membrane dynamics of rhesus macaques during normative aging. <i>Oncotarget</i> , 2016 , 7, 55970-55989	3.3	21
101	Metabolomics, a Powerful Tool for Agricultural Research. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	58
100	Acs1, the Drosophila ortholog of intellectual-disability-related ACSL4, inhibits synaptic growth by altered lipids. <i>Journal of Cell Science</i> , 2016 , 129, 4034-4045	5.3	9
99	The Lipid-Modifying Enzyme SMPDL3B Negatively Regulates Innate Immunity. <i>Cell Reports</i> , 2015 , 11, 1919-28	10.6	58
98	Erratum for Ang et al., AnethA-ethR-Deficient Mycobacterium bovis BCG Mutant Displays Increased Adherence to Mammalian Cells and Greater Persistence In Vivo, Which Correlate with Altered Mycolic Acid Composition. <i>Infection and Immunity</i> , 2015 , 83, 846-846	3.7	78
97	Role of tetanus neurotoxin insensitive vesicle-associated membrane protein in membrane domains transport and homeostasis. <i>Cellular Logistics</i> , 2015 , 5, e1025182		12
96	What can lipidomics tell us about the pathogenesis of Alzheimer disease?. <i>Biological Chemistry</i> , 2015 , 396, 1281-91	4.5	14
95	Changes in Plasma Lipids during Exposure to Total Sleep Deprivation. <i>Sleep</i> , 2015 , 38, 1683-91	1.1	35

94	Arabidopsis AtPLC2 Is a Primary Phosphoinositide-Specific Phospholipase C in Phosphoinositide Metabolism and the Endoplasmic Reticulum Stress Response. <i>PLoS Genetics</i> , 2015 , 11, e1005511	6	47
93	Distribution of secretory phospholipase A2 X1IA in the brain and its role in lipid metabolism and cognition. <i>Molecular Neurobiology</i> , 2014 , 50, 60-75	6.2	8
92	TPS1 drug design for rice blast disease in magnaporthe oryzae. <i>SpringerPlus</i> , 2014 , 3, 18		9
91	Transcriptomic and lipidomic profiles of glycerolipids during Arabidopsis flower development. <i>New Phytologist</i> , 2014 , 203, 310-22	9.8	37
90	Mfsd2a is a transporter for the essential omega-3 fatty acid docosahexaenoic acid. <i>Nature</i> , 2014 , 509, 503-6	50.4	532
89	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. <i>Infection and Immunity</i> , 2014 , 82, 1850-9	3.7	14
88	Soybean GmMYB73 promotes lipid accumulation in transgenic plants. <i>BMC Plant Biology</i> , 2014 , 14, 73	5.3	57
87	Critical role of SCD1 in autophagy regulation via lipogenesis and lipid rafts-coupled AKT-FOXO1 signaling pathway. <i>Autophagy</i> , 2014 , 10, 226-42	10.2	38
86	Brain lipidomes of subcortical ischemic vascular dementia and mixed dementia. <i>Neurobiology of Aging</i> , 2014 , 35, 2369-81	5.6	62
85	The mitochondria-targeted antioxidant MitoQ extends lifespan and improves healthspan of a transgenic Caenorhabditis elegans model of Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2014 , 71, 390-401	7.8	103
84	Evaluation of dietary effects on hepatic lipids in high fat and placebo diet fed rats by in vivo MRS and LC-MS techniques. <i>PLoS ONE</i> , 2014 , 9, e91436	3.7	18
83	Adipose-specific knockout of SEIPIN/BSCL2 results in progressive lipodystrophy. <i>Diabetes</i> , 2014 , 63, 2320-31		74
82	Longitudinal changes in tear fluid lipidome brought about by eyelid-warming treatment in a cohort of meibomian gland dysfunction. <i>Journal of Lipid Research</i> , 2014 , 55, 1959-69	6.3	33
81	Cidea control of lipid storage and secretion in mouse and human sebaceous glands. <i>Molecular and Cellular Biology</i> , 2014 , 34, 1827-38	4.8	24
80	CDP-diacylglycerol synthetase coordinates cell growth and fat storage through phosphatidylinositol metabolism and the insulin pathway. <i>PLoS Genetics</i> , 2014 , 10, e1004172	6	32
79	Lipidomic analysis of human tear fluid reveals structure-specific lipid alterations in dry eye syndrome. <i>Journal of Lipid Research</i> , 2014 , 55, 299-306	6.3	66
78	Lipidomics and genomics of Mycobacterium tuberculosis reveal lineage-specific trends in mycolic acid biosynthesis. <i>MicrobiologyOpen</i> , 2014 , 3, 823-35	3.4	33
77	Extensive characterization of human tear fluid collected using different techniques unravels the presence of novel lipid amphiphiles. <i>Journal of Lipid Research</i> , 2014 , 55, 289-98	6.3	180

76	Comprehensive analysis of lipid composition in crude palm oil using multiple lipidomic approaches. <i>Journal of Genetics and Genomics</i> , 2014 , 41, 293-304	4	18
75	Lipidomics as a principal tool for advancing biomedical research. <i>Journal of Genetics and Genomics</i> , 2013 , 40, 375-90	4	87
74	Polar lipid derangements in type 2 diabetes mellitus: potential pathological relevance of fatty acyl heterogeneity in sphingolipids. <i>Metabolomics</i> , 2013 , 9, 786-799	4.7	20
73	The transcription factor STAT-1 couples macrophage synthesis of 25-hydroxycholesterol to the interferon antiviral response. <i>Immunity</i> , 2013 , 38, 106-18	32.3	258
72	A model of flux regulation in the cholesterol biosynthesis pathway: Immune mediated graduated flux reduction versus statin-like led stepped flux reduction. <i>Biochimie</i> , 2013 , 95, 613-21	4.6	28
71	Biochemical membrane lipidomics during Drosophila development. <i>Developmental Cell</i> , 2013 , 24, 98-111	10.2	103
70	Rapid and sensitive profiling of tear wax ester species using high performance liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1308, 166-71	4.5	21
69	Lipidomic analysis of human placental syncytiotrophoblast microvesicles in adverse pregnancy outcomes. <i>Placenta</i> , 2013 , 34, 436-42	3.4	87
68	Effects of a high-fat, high-cholesterol diet on brain lipid profiles in apolipoprotein E β and α knock-in mice. <i>Neurobiology of Aging</i> , 2013 , 34, 2217-24	5.6	23
67	PGC-1 β improves glucose homeostasis in skeletal muscle in an activity-dependent manner. <i>Diabetes</i> , 2013 , 62, 85-95	0.9	73
66	A mechanistic paradigm for broad-spectrum antivirals that target virus-cell fusion. <i>PLoS Pathogens</i> , 2013 , 9, e1003297	7.6	72
65	Neonatal overnutrition in mice exacerbates high-fat diet-induced metabolic perturbations. <i>Journal of Endocrinology</i> , 2013 , 219, 131-43	4.7	26
64	Extensive diversity in circadian regulation of plasma lipids and evidence for different circadian metabolic phenotypes in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 14468-73	11.5	140
63	Lipid anti-lipid antibody responses correlate with disease activity in systemic lupus erythematosus. <i>PLoS ONE</i> , 2013 , 8, e55639	3.7	12
62	Chondroitin fragments are odorants that trigger fear behavior in fish. <i>Current Biology</i> , 2012 , 22, 538-44	6.3	155
61	Multifaceted role of nitric oxide in an in vitro mouse neuronal injury model: transcriptomic profiling defines the temporal recruitment of death signalling cascades. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 41-58	5.6	3
60	Mycolic acids as diagnostic markers for tuberculosis case detection in humans and drug efficacy in mice. <i>EMBO Molecular Medicine</i> , 2012 , 4, 27-37	12	52
59	Brain lipid changes after repetitive transcranial magnetic stimulation: potential links to therapeutic effects?. <i>Metabolomics</i> , 2012 , 8, 19-33	4.7	5

58	Role of prefrontal cortical calcium independent phospholipase A α in antidepressant-like effect of maprotiline. <i>International Journal of Neuropsychopharmacology</i> , 2012 , 15, 1087-98	5.8	11
57	PtdIns4P synthesis by PI4KIII β at the plasma membrane and its impact on plasma membrane identity. <i>Journal of Cell Biology</i> , 2012 , 199, 1003-16	7.3	171
56	Comparative lipidomic analysis of mouse and human brain with Alzheimer disease. <i>Journal of Biological Chemistry</i> , 2012 , 287, 2678-88	5.4	345
55	Lipid Metabolism in Neurodegenerative Diseases 2012 , 269-296		1
54	The membrane stress response buffers lethal effects of lipid disequilibrium by reprogramming the protein homeostasis network. <i>Molecular Cell</i> , 2012 , 48, 16-27	17.6	97
53	Ablation of dihydroceramide desaturase confers resistance to etoposide-induced apoptosis in vitro. <i>PLoS ONE</i> , 2012 , 7, e44042	3.7	27
52	U18666A, an intra-cellular cholesterol transport inhibitor, inhibits dengue virus entry and replication. <i>Antiviral Research</i> , 2012 , 93, 191-8	10.8	86
51	Abc3-mediated efflux of an endogenous digoxin-like steroidal glycoside by <i>Magnaporthe oryzae</i> is necessary for host invasion during blast disease. <i>PLoS Pathogens</i> , 2012 , 8, e1002888	7.6	15
50	Fenretinide prevents lipid-induced insulin resistance by blocking ceramide biosynthesis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 17426-17437	5.4	87
49	Inhibitory effect of dietary lipids on chaperone-mediated autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E705-14	11.5	152
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