

Makoto Suematsu

List of Publications by Year in descending order

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Version: 2024-02-01

457
papers

28,137
citations

5574

82
h-index

8630

146
g-index

472
all docs

472
docs citations

472
times ranked

36650
citing authors

#	ARTICLE	IF	CITATIONS
1	The hypotaurine-taurine pathway as an antioxidative mechanism in patients with acute liver failure. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2022, 70, 54-63.	1.4	11
2	Optogenetic stimulus-triggered acquisition of seizure resistance. <i>Neurobiology of Disease</i> , 2022, 163, 105602.	4.4	12
3	Pro108Ser mutation of SARS-CoV-2 3CLpro reduces the enzyme activity and ameliorates the clinical severity of COVID-19. <i>Scientific Reports</i> , 2022, 12, 1299.	3.3	15
4	Cancer-derived cholesterol sulfate is a key mediator to prevent tumor infiltration by effector T cells. <i>International Immunology</i> , 2022, 34, 277-289.	4.0	12
5	Tumor-specific interendothelial adhesion mediated by FLRT2 facilitates cancer aggressiveness. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	13
6	Intracrine activity involving NAD-dependent circadian steroidogenic activity governs age-associated meibomian gland dysfunction. <i>Nature Aging</i> , 2022, 2, 105-114.	11.6	11
7	Familial Hyperaldosteronism Type 3 with a Rapidly Growing Adrenal Tumor: An In Situ Aldosterone Imaging Study. <i>Current Issues in Molecular Biology</i> , 2022, 44, 128-138.	2.4	6
8	Pharmacological intervention of cholesterol sulfate-mediated T cell exclusion promotes antitumor immunity. <i>Biochemical and Biophysical Research Communications</i> , 2022, 609, 183-188.	2.1	7
9	Coupling of angiogenesis and odontogenesis orchestrates tooth mineralization in mice. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	12
10	Omega-3 fatty acid epoxides produced by PAF-AH2 in mast cells regulate pulmonary vascular remodeling. <i>Nature Communications</i> , 2022, 13, .	12.8	13
11	Characterization of Aldosterone-producing Cell Cluster (APCC) at Single-cell Resolution. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 2439-2448.	3.6	7
12	Spatially restricted substrate-binding site of cortisol-synthesizing CYP11B1 limits multiple hydroxylations and hinders aldosterone synthesis. <i>Current Research in Structural Biology</i> , 2021, 3, 192-205.	2.2	1
13	Senolysis by glutaminolysis inhibition ameliorates various age-associated disorders. <i>Science</i> , 2021, 371, 265-270.	12.6	222
14	Restoring metabolism of myeloid cells reverses cognitive decline in ageing. <i>Nature</i> , 2021, 590, 122-128.	27.8	264
15	Mutant ASXL1 induces age-related expansion of phenotypic hematopoietic stem cells through activation of Akt/mTOR pathway. <i>Nature Communications</i> , 2021, 12, 1826.	12.8	54
16	Prostaglandin in the ventromedial hypothalamus regulates peripheral glucose metabolism. <i>Nature Communications</i> , 2021, 12, 2330.	12.8	15
17	On-tissue polysulfide visualization by surface-enhanced Raman spectroscopy benefits patients with ovarian cancer to predict post-operative chemosensitivity. <i>Redox Biology</i> , 2021, 41, 101926.	9.0	20
18	Glycyrrhizin Derivatives Suppress Cancer Chemoresistance by Inhibiting Progesterone Receptor Membrane Component 1. <i>Cancers</i> , 2021, 13, 3265.	3.7	16

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19	What Do We See in Spectra?: Assignment of High-Intensity Peaks of Cutibacterium and Staphylococcus Spectra of MALDI-TOF Mass Spectrometry by Interspecies Comparative Proteogenomics. <i>Microorganisms</i> , 2021, 9, 1243.	3.6	1
20	Possible Therapeutic Strategy Involving the Purine Synthesis Pathway Regulated by ITK in Tongue Squamous Cell Carcinoma. <i>Cancers</i> , 2021, 13, 3333.	3.7	4
21	Novel bile acid biosynthetic pathways are enriched in the microbiome of centenarians. <i>Nature</i> , 2021, 599, 458-464.	27.8	251
22	SLC15A4 mediates M1-prone metabolic shifts in macrophages and guards immune cells from metabolic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
23	Gut bacteria identified in colorectal cancer patients promote tumourigenesis via butyrate secretion. <i>Nature Communications</i> , 2021, 12, 5674.	12.8	95
24	AKT signaling is associated with epigenetic reprogramming via the upregulation of TET and its cofactor, alpha-ketoglutarate during iPSC generation. <i>Stem Cell Research and Therapy</i> , 2021, 12, 510.	5.5	7
25	Identification of B.1.346 Lineage of SARS-CoV-2 in Japan: Genomic Evidence of Re-entry of Clade 20C. <i>Keio Journal of Medicine</i> , 2021, 70, 44-50.	1.1	4
26	Osteoclasts adapt to physioxia perturbation through DNA demethylation. <i>EMBO Reports</i> , 2021, 22, e53035.	4.5	13
27	Cholesterol 25-hydroxylase is a metabolic switch to constrain T cell-mediated inflammation in the skin. <i>Science Immunology</i> , 2021, 6, eabb6444.	11.9	7
28	Structural library and visualization of endogenously oxidized phosphatidylcholines using mass spectrometry-based techniques. <i>Nature Communications</i> , 2021, 12, 6339.	12.8	24
29	B cell-derived GABA elicits IL-10+ macrophages to limit anti-tumour immunity. <i>Nature</i> , 2021, 599, 471-476.	27.8	145
30	Extracellular ATP Limits Homeostatic T Cell Migration Within Lymph Nodes. <i>Frontiers in Immunology</i> , 2021, 12, 786595.	4.8	8
31	Small molecules assisting eggshell calcium dissolution for embryonic bone formation. <i>Tetrahedron</i> , 2020, 76, 130854.	1.9	3
32	Short-chain fatty acids bind to apoptosis-associated speck-like protein to activate inflammasome complex to prevent Salmonella infection. <i>PLoS Biology</i> , 2020, 18, e3000813.	5.6	32
33	Fatty Acid Synthesis Is Indispensable for Survival of Human Pluripotent Stem Cells. <i>iScience</i> , 2020, 23, 101535.	4.1	47
34	C-type lectin Mincle mediates cell death-triggered inflammation in acute kidney injury. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	35
35	O-Glycan-Altered Extracellular Vesicles: A Specific Serum Marker Elevated in Pancreatic Cancer. <i>Cancers</i> , 2020, 12, 2469.	3.7	26
36	Progesterone receptor membrane associated component 1 enhances obesity progression in mice by facilitating lipid accumulation in adipocytes. <i>Communications Biology</i> , 2020, 3, 479.	4.4	23

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37	2-Nitroimidazoles induce mitochondrial stress and ferroptosis in glioma stem cells residing in a hypoxic niche. <i>Communications Biology</i> , 2020, 3, 450.	4.4	24
38	Annexin A1 accounts for an anti-inflammatory binding target of sesamin metabolites. <i>Npj Science of Food</i> , 2020, 4, 4.	5.5	9
39	In situ imaging of monoamine localization and dynamics. , 2020, 208, 107478.		4
40	Starvation causes female-to-male sex reversal through lipid metabolism in the teleost fish, medaka (<i>Oryzias latipes</i>). <i>Biology Open</i> , 2020, 9, .	1.2	31
41	Identification and local manipulation of bone marrow vasculature during intravital imaging. <i>Scientific Reports</i> , 2020, 10, 6422.	3.3	11
42	Loss of autophagy impairs physiological steatosis by accumulation of NCoR1. <i>Life Science Alliance</i> , 2020, 3, e201900513.	2.8	18
43	Title is missing!. , 2020, 18, e3000813.		0
44	Title is missing!. , 2020, 18, e3000813.		0
45	Title is missing!. , 2020, 18, e3000813.		0
46	Title is missing!. , 2020, 18, e3000813.		0
47	Title is missing!. , 2020, 18, e3000813.		0
48	Title is missing!. , 2020, 18, e3000813.		0
49	IMP dehydrogenase-2 drives aberrant nucleolar activity and promotes tumorigenesis in glioblastoma. <i>Nature Cell Biology</i> , 2019, 21, 1003-1014.	10.3	107
50	Environmental Optimization Enables Maintenance of Quiescent Hematopoietic Stem Cells Ex Vivo. <i>Cell Reports</i> , 2019, 28, 145-158.e9.	6.4	54
51	Detection of a High-Turnover Serotonin Circuit in the Mouse Brain Using Mass Spectrometry Imaging. <i>IScience</i> , 2019, 20, 359-372.	4.1	33
52	Application of high-performance magnetic nanobeads to biological sensing devices. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1825-1837.	3.7	30
53	A defined commensal consortium elicits CD8 T cells and anti-cancer immunity. <i>Nature</i> , 2019, 565, 600-605.	27.8	741
54	Cancer Stem-Cell Marker CD44v9-Positive Cells Arise From Helicobacter pylori-Infected CAPZA1-Overexpressing Cells. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 8, 319-334.	4.5	28

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55	Tandem Mass Spectrometry Imaging Reveals Distinct Accumulation Patterns of Steroid Structural Isomers in Human Adrenal Glands. <i>Analytical Chemistry</i> , 2019, 91, 8918-8925.	6.5	48
56	Mechanical allodynia induced by optogenetic sensory nerve excitation activates dopamine signaling and metabolism in medial nucleus accumbens. <i>Neurochemistry International</i> , 2019, 129, 104494.	3.8	9
57	A thin layer of sucrose octasulfate protects the oesophageal mucosal epithelium in reflux oesophagitis. <i>Scientific Reports</i> , 2019, 9, 3559.	3.3	2
58	Autophagy regulates lipid metabolism through selective turnover of NCoR1. <i>Nature Communications</i> , 2019, 10, 1567.	12.8	143
59	Increased Cytotoxicity of Herpes Simplex Virus Thymidine Kinase Expression in Human Induced Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 810.	4.1	20
60	CAPZA1 determines the risk of gastric carcinogenesis by inhibiting <i>Helicobacter pylori</i> CagA-degraded autophagy. <i>Autophagy</i> , 2019, 15, 242-258.	9.1	36
61	Fatty Acid β -Oxidation-dependent and -independent Responses and Tumor Aggressiveness Acquired Under Mild Hypoxia. <i>Anticancer Research</i> , 2019, 39, 191-200.	1.1	0
62	Xanthine oxidase inhibitor ameliorates postischemic renal injury in mice by promoting resynthesis of adenine nucleotides. <i>JCI Insight</i> , 2019, 4, .	5.0	29
63	Characterization and validation of <i>Entamoeba histolytica</i> pantothenate kinase as a novel anti-amebic drug target. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 125-136.	3.4	14
64	Gold-nanoparticle surface-enhanced Raman spectroscopy visualizes hypotaurine as a robust anti-oxidant consumed in cancer survival. <i>Nature Communications</i> , 2018, 9, 1561.	12.8	74
65	Deep whole-genome sequencing reveals recent selection signatures linked to evolution and disease risk of Japanese. <i>Nature Communications</i> , 2018, 9, 1631.	12.8	132
66	Utilizing mass spectrometry imaging to map the thyroid hormones triiodothyronine and thyroxine in <i>Xenopus tropicalis</i> tadpoles. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1333-1340.	3.7	11
67	Quantitative imaging mass spectrometry reveals roles of heme oxygenase-2 for protecting against transhemispheric diaschisis in the brain ischemia. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2018, 63, 70-79.	1.4	6
68	Glucose is preferentially utilized for biomass synthesis in pressure-overloaded hearts: evidence from fatty acid-binding protein-4 and -5 knockout mice. <i>Cardiovascular Research</i> , 2018, 114, 1132-1144.	3.8	44
69	PKM1 Confers Metabolic Advantages and Promotes Cell-Autonomous Tumor Cell Growth. <i>Cancer Cell</i> , 2018, 33, 355-367.e7.	16.8	121
70	Plant hormone cytokinins control cell cycle progression and plastid replication in apicomplexan parasites. <i>Parasitology International</i> , 2018, 67, 47-58.	1.3	17
71	Future of Rare Diseases Research 2017-2027: An IRDiRC Perspective. <i>Clinical and Translational Science</i> , 2018, 11, 21-27.	3.1	154
72	Brief Exposure of Skin to Near-Infrared Laser Modulates Mast Cell Function and Augments the Immune Response. <i>Journal of Immunology</i> , 2018, 201, 3587-3603.	0.8	18

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73	Biochemical, Metabolomic, and Genetic Analyses of Dephospho Coenzyme A Kinase Involved in Coenzyme A Biosynthesis in the Human Enteric Parasite <i>Entamoeba histolytica</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2902.	3.5	10
74	Hydrogen sulfide bypasses the rate-limiting oxygen activation of heme oxygenase. <i>Journal of Biological Chemistry</i> , 2018, 293, 16931-16939.	3.4	13
75	Aldosterone and 18-Oxocortisol Coaccumulation in Aldosterone-Producing Lesions. <i>Hypertension</i> , 2018, 72, 1345-1354.	2.7	44
76	Neuroprotective Role of Astroglia in Parkinson Disease by Reducing Oxidative Stress Through Dopamine-Induced Activation of Pentose-Phosphate Pathway. <i>ASN Neuro</i> , 2018, 10, 175909141877556.	2.7	26
77	Optogenetic astrocyte activation evokes BOLD fMRI response with oxygen consumption without neuronal activity modulation. <i>Glia</i> , 2018, 66, 2013-2023.	4.9	72
78	Cholesterol sulfate is a DOCK2 inhibitor that mediates tissue-specific immune evasion in the eye. <i>Science Signaling</i> , 2018, 11, .	3.6	29
79	Sodium-glucose cotransporter 2 inhibition normalizes glucose metabolism and suppresses oxidative stress in the kidneys of diabetic mice. <i>Kidney International</i> , 2018, 94, 912-925.	5.2	123
80	Development of a Highly Sensitive Device for Counting the Number of Disease-Specific Exosomes in Human Sera. <i>Clinical Chemistry</i> , 2018, 64, 1463-1473.	3.2	53
81	Myocardial fatty acid uptake through CD36 is indispensable for sufficient bioenergetic metabolism to prevent progression of pressure overload-induced heart failure. <i>Scientific Reports</i> , 2018, 8, 12035.	3.3	34
82	Function and structural regulation of the carbon monoxide (CO)-responsive membrane protein PGRMC1. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2018, 63, 12-17.	1.4	17
83	FP219A SEMI-QUANTITATIVE IMAGING MASS SPECTROMETRY REVEALED THE RENO-PROTECTIVE EFFECT OF FEBUXOSTAT IN THE ISCHEMIC KIDNEY BY PROMOTING ATP RECOVERY IN THE CORTEX. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, i104-i105.	0.7	0
84	A method for determination of aldosterone in adrenal tributary venous serum by derivatization using Girard P reagent isotopologues followed by LC/ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 106-113.	2.3	18
85	Survey on patients with undiagnosed diseases in Japan: potential patient numbers benefiting from Japan's initiative on rare and undiagnosed diseases (IRUD). <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 208.	2.7	11
86	Can drug repurposing stop the chase and run between aldehydes and reactive sulfur species in anti-cancer therapy?. <i>Oncotarget</i> , 2018, 9, 34453-34454.	1.8	1
87	Rewiring of embryonic glucose metabolism via suppression of PFK-1 and aldolase during mouse chorioallantoic branching. <i>Development (Cambridge)</i> , 2017, 144, 63-73.	2.5	70
88	Placental labyrinth formation in mice requires endothelial FLRT2-UNC5B signaling. <i>Development (Cambridge)</i> , 2017, 144, 2392-2401.	2.5	21
89	Targeting Oxygen-Sensing Prolyl Hydroxylase for Metformin-Associated Lactic Acidosis Treatment. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	14
90	Sigma-2 receptor and progesterone receptor membrane component 1 (PGRMC1) are two different proteins: Proofs by fluorescent labeling and binding of sigma-2 receptor ligands to PGRMC1. <i>Pharmacological Research</i> , 2017, 117, 67-74.	7.1	36

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91	The histone 3 lysine 9 methyltransferase inhibitor chaetocin improves prognosis in a rat model of high salt diet-induced heart failure. <i>Scientific Reports</i> , 2017, 7, 39752.	3.3	28
92	Robust suppression of cardiac energy catabolism with marked accumulation of energy substrates during lipopolysaccharide-induced cardiac dysfunction in mice. <i>Metabolism: Clinical and Experimental</i> , 2017, 77, 47-57.	3.4	31
93	Metabolic shift induced by systemic activation of T cells in PD-1-deficient mice perturbs brain monoamines and emotional behavior. <i>Nature Immunology</i> , 2017, 18, 1342-1352.	14.5	83
94	Arl8b is required for lysosomal degradation of maternal proteins in the visceral yolk sac endoderm of mouse embryos. <i>Journal of Cell Science</i> , 2017, 130, 3568-3577.	2.0	23
95	Quiescence of adult oligodendrocyte precursor cells requires thyroid hormone and hypoxia to activate Runx1. <i>Scientific Reports</i> , 2017, 7, 1019.	3.3	13
96	Improved Diagnosis and Care for Rare Diseases through Implementation of Precision Public Health Framework. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1031, 55-94.	1.6	20
97	Japan's initiative on rare and undiagnosed diseases (IRUD): towards an end to the diagnostic odyssey. <i>European Journal of Human Genetics</i> , 2017, 25, 1025-1028.	2.8	74
98	Immunohistochemistry of aldosterone synthase leads the way to the pathogenesis of primary aldosteronism. <i>Molecular and Cellular Endocrinology</i> , 2017, 441, 124-133.	3.2	48
99	Disorganized Steroidogenesis in Adrenocortical Carcinoma, a Case Study. <i>Endocrine Pathology</i> , 2017, 28, 27-35.	9.0	13
100	Rewiring of embryonic glucose metabolism via suppression of PFK-1 and aldolase during mouse chorioallantoic branching. <i>Journal of Cell Science</i> , 2017, 130, e1.1-e1.1.	2.0	0
101	Human Adrenocortical Remodeling Leading to Aldosterone-Producing Cell Cluster Generation. <i>International Journal of Endocrinology</i> , 2016, 2016, 1-6.	1.5	43
102	Alteration of matrix metalloproteinase-3 O-glycan structure as a biomarker for disease activity of rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 112.	3.5	19
103	Impaired female fertility in tubulointerstitial antigen-like 1-deficient mice. <i>Journal of Reproduction and Development</i> , 2016, 62, 43-49.	1.4	15
104	CO ₂ Axis: From Vascular Mediator to Cancer Regulator. <i>Microcirculation</i> , 2016, 23, 183-190.	1.8	14
105	Glutamine Oxidation Is Indispensable for Survival of Human Pluripotent Stem Cells. <i>Cell Metabolism</i> , 2016, 23, 663-674.	16.2	207
106	Leukocyte plugging and cortical capillary flow after subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2016, 158, 1057-1067.	1.7	15
107	Cystathionine β -synthase and PGRMC1 as CO sensors. <i>Free Radical Biology and Medicine</i> , 2016, 99, 333-344.	2.9	23
108	Cortical microcirculatory disturbance in the super acute phase of subarachnoid hemorrhage - In vivo analysis using two-photon laser scanning microscopy. <i>Journal of the Neurological Sciences</i> , 2016, 368, 326-333.	0.6	14

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109	Visualization of Localized Cellular Signalling Mediators in Tissues by Imaging Mass Spectrometry. , 2016, , 147-160.		0
110	Visualization of in vivo metabolic flows reveals accelerated utilization of glucose and lactate in penumbra of ischemic heart. Scientific Reports, 2016, 6, 32361.	3.3	47
111	Haem-dependent dimerization of PGRMC1/Sigma-2 receptor facilitates cancer proliferation and chemoresistance. Nature Communications, 2016, 7, 11030.	12.8	153
112	p38 β Activates Purine Metabolism to Initiate Hematopoietic Stem/Progenitor Cell Cycling in Response to Stress. Cell Stem Cell, 2016, 19, 192-204.	11.1	92
113	A possible role of microglia-derived nitric oxide by lipopolysaccharide in activation of astroglial pentose-phosphate pathway via the Keap1/Nrf2 system. Journal of Neuroinflammation, 2016, 13, 99.	7.2	47
114	The EGF Receptor Promotes the Malignant Potential of Glioma by Regulating Amino Acid Transport System xc ⁻ . Cancer Research, 2016, 76, 2954-2963.	0.9	84
115	Case Report: Nodule Development From Subcapsular Aldosterone-Producing Cell Clusters Causes Hyperaldosteronism. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 6-9.	3.6	64
116	Acquired platinum resistance involves epithelial to mesenchymal transition through ubiquitin ligase FBXO32 dysregulation. JCI Insight, 2016, 1, e83654.	5.0	23
117	Fibroblastic reticular cell-derived lysophosphatidic acid regulates confined intranodal T-cell motility. ELife, 2016, 5, e10561.	6.0	45
118	Epidermal cell turnover across tight junctions based on Kelvin's tetrakaidecahedron cell shape. ELife, 2016, 5, .	6.0	81
119	Development of an Imaging Mass Spectrometry Technique for Visualizing Localized Cellular Signaling Mediators in Tissues. Mass Spectrometry, 2015, 4, A0040-A0040.	0.6	13
120	LATS1 and LATS2 Phosphorylate CDC26 to Modulate Assembly of the Tetratricopeptide Repeat Subcomplex of APC/C. PLoS ONE, 2015, 10, e0118662.	2.5	12
121	Particle Simulation of Oxidation Induced Band 3 Clustering in Human Erythrocytes. PLoS Computational Biology, 2015, 11, e1004210.	3.2	25
122	Nordihydroguaiaretic Acid Disrupts the Antioxidant Ability of Helicobacter pylori through the Repression of SodB Activity In Vitro. BioMed Research International, 2015, 2015, 1-8.	1.9	8
123	Activation of pyruvate dehydrogenase by dichloroacetate has the potential to induce epigenetic remodeling in the heart. Journal of Molecular and Cellular Cardiology, 2015, 82, 116-124.	1.9	37
124	Mode of Bioenergetic Metabolism during B Cell Differentiation in the Intestine Determines the Distinct Requirement for Vitamin B1. Cell Reports, 2015, 13, 122-131.	6.4	96
125	Impacts of CD44 knockdown in cancer cells on tumor and host metabolic systems revealed by quantitative imaging mass spectrometry. Nitric Oxide - Biology and Chemistry, 2015, 46, 102-113.	2.7	20
126	Involvement of the yciW gene in l-cysteine and l-methionine metabolism in Escherichia coli. Journal of Bioscience and Bioengineering, 2015, 119, 310-313.	2.2	28

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127	Hyperhomocysteinemia abrogates fasting-induced cardioprotection against ischemia/reperfusion by limiting bioavailability of hydrogen sulfide anions. <i>Journal of Molecular Medicine</i> , 2015, 93, 879-889.	3.9	42
128	Inflammation, But Not Telomere Length, Predicts Successful Ageing at Extreme Old Age: A Longitudinal Study of Semi-supercentenarians. <i>EBioMedicine</i> , 2015, 2, 1549-1558.	6.1	243
129	Therapeutic Hypothermia Achieves Neuroprotection <i>via</i> a Decrease in Acetylcholine with a Concurrent Increase in Carnitine in the Neonatal Hypoxia-Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 794-805.	4.3	31
130	Indispensable role of endothelial nitric oxide synthase in caloric restriction-induced cardioprotection against ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H894-H903.	3.2	29
131	Innate Response to Human Cancer Cells with or without IL-2 Receptor Common \hat{I}^3 -Chain Function in NOD Background Mice Lacking Adaptive Immunity. <i>Journal of Immunology</i> , 2015, 195, 1883-1890.	0.8	3
132	Finding of thiosulfate pathway for synthesis of organic sulfur compounds in <i>Saccharomyces cerevisiae</i> and improvement of ethanol production. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 666-669.	2.2	19
133	Inhibition of the oxygen sensor PHD2 in the liver improves survival in lactic acidosis by activating the Cori cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11642-11647.	7.1	46
134	Decreased Expression of Cystathionine \hat{I}^2 -Synthase Promotes Glioma Tumorigenesis. <i>Molecular Cancer Research</i> , 2014, 12, 1398-1406.	3.4	59
135	Distribution of tubulointerstitial nephritis antigen-like 1 and structural matrix proteins in mouse embryos during preimplantation development in vivo and in vitro. <i>Zygote</i> , 2014, 22, 259-265.	1.1	8
136	Reduced methylation of PFKFB3 in cancer cells shunts glucose towards the pentose phosphate pathway. <i>Nature Communications</i> , 2014, 5, 3480.	12.8	199
137	Neutral aminoaciduria in cystathionine \hat{I}^2 -synthase-deficient mice, an animal model of homocystinuria. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F1462-F1476.	2.7	13
138	Hypoxia-inducible factors regulate human and rat cystathionine \hat{I}^2 -synthase gene expression. <i>Biochemical Journal</i> , 2014, 458, 203-211.	3.7	36
139	Non-neuronal acetylcholine as an endogenous regulator of proliferation and differentiation of Lgr5-positive stem cells in mice. <i>FEBS Journal</i> , 2014, 281, 4672-4690.	4.7	59
140	Microscopic imaging mass spectrometry assisted by on-tissue chemical derivatization for visualizing multiple amino acids in human colon cancer xenografts. <i>Proteomics</i> , 2014, 14, 810-819.	2.2	65
141	Characterization of the 17 strains of regulatory T cell-inducing human-derived <i>Clostridia</i> . <i>Gut Microbes</i> , 2014, 5, 333-339.	9.8	182
142	Visualization and quantification of cerebral metabolic fluxes of glucose in awake mice. <i>Proteomics</i> , 2014, 14, 829-838.	2.2	61
143	Reactive cysteine persulfides and S-polythiolation regulate oxidative stress and redox signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7606-7611.	7.1	757
144	Endogenous Prostaglandin D ₂ and Its Metabolites Protect the Heart Against Ischemia- <i>Reperfusion</i> Injury by Activating Nrf2. <i>Hypertension</i> , 2014, 63, 80-87.	2.7	79

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145	Cilostazol strengthens the endothelial barrier of postcapillary venules from the rat mesentery <i>in situ</i> . <i>Phlebology</i> , 2014, 29, 594-599.	1.2	5
146	The Histidine Transporter SLC15A4 Coordinates mTOR-Dependent Inflammatory Responses and Pathogenic Antibody Production. <i>Immunity</i> , 2014, 41, 375-388.	14.3	121
147	Bevacizumab terminates homeobox B9-induced tumor proliferation by silencing microenvironmental communication. <i>Molecular Cancer</i> , 2014, 13, 102.	19.2	20
148	Large-Area Surface-Enhanced Raman Spectroscopy Imaging of Brain Ischemia by Gold Nanoparticles Grown on Random Nanoarrays of Transparent Boehmite. <i>ACS Nano</i> , 2014, 8, 5622-5632.	14.6	63
149	Birth of Healthy Offspring following ICSI in In Vitro-Matured Common Marmoset (<i>Callithrix jacchus</i>) Oocytes. <i>PLoS ONE</i> , 2014, 9, e95560.	2.5	43
150	The blood cell flow and the vascular responses in arterioles and capillaries after subarachnoid hemorrhage. <i>Microvascular Reviews and Communications</i> , 2014, 7, 35-35.	0.0	0
151	Biochemical and functional characterization of novel NADH kinase in the enteric protozoan parasite <i>Entamoeba histolytica</i> . <i>Biochimie</i> , 2013, 95, 309-319.	2.6	18
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