

Masayuki Yamamoto

List of Publications by Year in descending order

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Version: 2024-02-01

442
papers

78,528
citations

385
134
h-index

494
269
g-index

472
all docs

472
docs citations

472
times ranked

53297
citing authors

#	ARTICLE	IF	CITATIONS
1	The return of individual genomic results to research participants: design and pilot study of Tohoku Medical Megabank Project. <i>Journal of Human Genetics</i> , 2022, 67, 9-17.	2.3	9
2	Trans-ethnic Mendelian-randomization study reveals causal relationships between cardiometabolic factors and chronic kidney disease. <i>International Journal of Epidemiology</i> , 2022, 50, 1995-2010.	1.9	39
3	Maternal Baseline Characteristics and Perinatal Outcomes: The Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study. <i>Journal of Epidemiology</i> , 2022, 32, 69-79.	2.4	13
4	Gene expression changes related to bone mineralization, blood pressure and lipid metabolism in mouse kidneys after space travel. <i>Kidney International</i> , 2022, 101, 92-105.	5.2	11
5	Cyclobutane Pyrimidine Dimers Produced with Narrowband UVB Are on Average More Mutagenic than Those with Broadband UVB in Mouse Skin. <i>Photochemistry and Photobiology</i> , 2022, 98, 916-924.	2.5	1
6	The isoquinoline PRL-295 increases the thermostability of Keap1 and disrupts its interaction with Nrf2. <i>IScience</i> , 2022, 25, 103703.	4.1	11
7	AHR and NRF2 in Skin Homeostasis and Atopic Dermatitis. <i>Antioxidants</i> , 2022, 11, 227.	5.1	22
8	Genome-wide Association Study of Axial Length in Population-based Cohorts in Japan. <i>Ophthalmology Science</i> , 2022, 2, 100113.	2.5	11
9	Esterification promotes the intracellular accumulation of roxadustat, an activator of hypoxia-inducible factors, to extend its effective duration. <i>Biochemical Pharmacology</i> , 2022, 197, 114939.	4.4	3
10	Target Gene Diversity of the Nrf1-MafG Transcription Factor Revealed by a Tethered Heterodimer. <i>Molecular and Cellular Biology</i> , 2022, 42, mcb0052021.	2.3	8
11	Defining roles of specific reactive oxygen species (ROS) in cell biology and physiology. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 499-515.	37.0	469
12	Multifaceted Roles of the KEAP1-NRF2 System in Cancer and Inflammatory Disease Milieu. <i>Antioxidants</i> , 2022, 11, 538.	5.1	24
13	Heterozygous variants in GATA2 contribute to DCML deficiency in mice by disrupting tandem protein binding. <i>Communications Biology</i> , 2022, 5, 376.	4.4	2
14	Genetic Loci for Lung Function in Japanese Adults with Adjustment for Exhaled Nitric Oxide Levels as an Indicator of Type 2 Inflammation in Airway. , 2022, , .		0
15	Genomic landscape of chemical-induced lung tumors under Nrf2 different expression levels. <i>Carcinogenesis</i> , 2022, , .	2.8	0
16	Halofuginone micelle nanoparticles eradicate Nrf2-activated lung adenocarcinoma without systemic toxicity. <i>Free Radical Biology and Medicine</i> , 2022, 187, 92-104.	2.9	5
17	Nrf2 protects against radiation-induced oral mucositis via antioxidation and keratin layer thickening. <i>Free Radical Biology and Medicine</i> , 2022, 188, 206-220.	2.9	9
18	The γ -TrCP-Mediated Pathway Cooperates with the Keap1-Mediated Pathway in Nrf2 Degradation <i>In Vivo</i> . <i>Molecular and Cellular Biology</i> , 2022, 42, .	2.3	13

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19	Study Profile of the Tohoku Medical Megabank Community-Based Cohort Study. <i>Journal of Epidemiology</i> , 2021, 31, 65-76.	2.4	81
20	NRF2-Dependent Bioactivation of Mitomycin C as a Novel Strategy To Target KEAP1-NRF2 Pathway Activation in Human Cancer. <i>Molecular and Cellular Biology</i> , 2021, 41, .	2.3	21
21	Cellular Nrf2 Levels Determine Cell Fate during Chemical Carcinogenesis in Esophageal Epithelium. <i>Molecular and Cellular Biology</i> , 2021, 41, .	2.3	11
22	Rapid-acting and long-lasting antidepressant-like action of (R)-ketamine in Nrf2 knock-out mice: a role of TrkB signaling. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, 271, 439-446.	3.2	29
23	Identification of Dominant Transcripts in Oxidative Stress Response by a Full-Length Transcriptome Analysis. <i>Molecular and Cellular Biology</i> , 2021, 41, .	2.3	7
24	Novel candidates of pathogenic variants of the BRCA1 and BRCA2 genes from a dataset of 3,552 Japanese whole genomes (3.5KJPNv2). <i>PLoS ONE</i> , 2021, 16, e0236907.	2.5	7
25	Estimation of the carrier frequencies and proportions of potential patients by detecting causative gene variants associated with autosomal recessive bone dysplasia using a whole-genome reference panel of Japanese individuals. <i>Human Genome Variation</i> , 2021, 8, 2.	0.7	3
26	Novel method for evaluating the health condition of mice in space through a video downlink. <i>Experimental Animals</i> , 2021, 70, 236-244.	1.1	4
27	Nrf2 is activated by disruption of mitochondrial thiol homeostasis but not by enhanced mitochondrial superoxide production. <i>Journal of Biological Chemistry</i> , 2021, 296, 100169.	3.4	25
28	Renal interstitial fibroblasts coproduce erythropoietin and renin under anaemic conditions. <i>EBioMedicine</i> , 2021, 64, 103209.	6.1	19
29	Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. <i>Nature Communications</i> , 2021, 12, 1258.	12.8	196
30	Body mass index and colorectal cancer risk: A Mendelian randomization study. <i>Cancer Science</i> , 2021, 112, 1579-1588.	3.9	25
31	Nrf2 Activation Sensitizes K-Ras Mutant Pancreatic Cancer Cells to Glutaminase Inhibition. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1870.	4.1	19
32	CL316243 treatment mitigates the inflammation in white adipose tissues of juvenile adipocyte-specific Nfe2l1 knockout mice. <i>Free Radical Biology and Medicine</i> , 2021, 165, 289-298.	2.9	5
33	Loss of Ftsj1 perturbs codon-specific translation efficiency in the brain and is associated with X-linked intellectual disability. <i>Science Advances</i> , 2021, 7, .	10.3	30
34	GWAS Identified IL4R and the Major Histocompatibility Complex Region as the Associated Loci of Total Serum IgE Levels in 9,260 Japanese Individuals. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2749-2752.	0.7	4
35	Japonica Array NEO with increased genome-wide coverage and abundant disease risk SNPs. <i>Journal of Biochemistry</i> , 2021, 170, 399-410.	1.7	17
36	Molecular basis for the disruption of Keap1-Nrf2 interaction via Hinge & Latch mechanism. <i>Communications Biology</i> , 2021, 4, 576.	4.4	84

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37	Genetic ablation of Nrf2 exacerbates neurotoxic effects of acrylamide in mice. <i>Toxicology</i> , 2021, 456, 152785.	4.2	13
38	Transcription Factor MAFF (MAF Basic Leucine Zipper Transcription Factor F) Regulates an Atherosclerosis Relevant Network Connecting Inflammation and Cholesterol Metabolism. <i>Circulation</i> , 2021, 143, 1809-1823.	1.6	28
39	Nuclear factor E2-related factor 2 (NRF2) deficiency accelerates fast fibre type transition in soleus muscle during space flight. <i>Communications Biology</i> , 2021, 4, 787.	4.4	17
40	Wide-Targeted Metabolome Analysis Identifies Potential Biomarkers for Prognosis Prediction of Epithelial Ovarian Cancer. <i>Toxins</i> , 2021, 13, 461.	3.4	14
41	Identification and Validation of Combination Plasma Biomarker of Afamin, Fibronectin and Sex Hormone-Binding Globulin to Predict Pre-eclampsia. <i>Biological and Pharmaceutical Bulletin</i> , 2021, 44, 804-815.	1.4	10
42	Nuclear Factor Erythroid 2-Related Factor 2 Depletion Sensitizes Pancreatic Cancer Cells to Gemcitabine via Aldehyde Dehydrogenase 3a1 Repression. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 379, 33-40.	2.5	10
43	Renal NG2-expressing cells have a macrophage-like phenotype and facilitate renal recovery after ischemic injury. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F170-F178.	2.7	6
44	Distinct Regulations of HO-1 Gene Expression for Stress Response and Substrate Induction. <i>Molecular and Cellular Biology</i> , 2021, 41, e0023621.	2.3	12
45	NRF3 upregulates gene expression in SREBP2-dependent mevalonate pathway with cholesterol uptake and lipogenesis inhibition. <i>IScience</i> , 2021, 24, 103180.	4.1	12
46	Machine learning approaches to predict gestational age in normal and complicated pregnancies via urinary metabolomics analysis. <i>Scientific Reports</i> , 2021, 11, 17777.	3.3	7
47	Potential of NRF2 Pathway in Preventing Developmental and Reproductive Toxicity of Fine Particles. <i>Frontiers in Toxicology</i> , 2021, 3, 710225.	3.1	3
48	A cross-population atlas of genetic associations for 220 human phenotypes. <i>Nature Genetics</i> , 2021, 53, 1415-1424.	21.4	560
49	Comparison of Kit-Based Metabolomics with Other Methodologies in a Large Cohort, towards Establishing Reference Values. <i>Metabolites</i> , 2021, 11, 652.	2.9	10
50	Nrf2 expression in pancreatic stellate cells promotes progression of cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G378-G388.	3.4	8
51	One-year trajectories of postpartum depressive symptoms and associated psychosocial factors: findings from the Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study. <i>Journal of Affective Disorders</i> , 2021, 295, 632-638.	4.1	14
52	Construction and integration of three de novo Japanese human genome assemblies toward a population-specific reference. <i>Nature Communications</i> , 2021, 12, 226.	12.8	31
53	jMorp updates in 2020: large enhancement of multi-omics data resources on the general Japanese population. <i>Nucleic Acids Research</i> , 2021, 49, D536-D544.	14.5	107
54	The KEAP1-NRF2 System as a Molecular Target of Cancer Treatment. <i>Cancers</i> , 2021, 13, 46.	3.7	100

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55	Osteoclasts adapt to physioxia perturbation through DNA demethylation. EMBO Reports, 2021, 22, e53035.	4.5	13
56	Genetic loci for lung function in Japanese adults with adjustment for exhaled nitric oxide levels as airway inflammation indicator. Communications Biology, 2021, 4, 1288.	4.4	13
57	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	27.8	353
58	dbTMM: an integrated database of large-scale cohort, genome and clinical data for the Tohoku Medical Megabank Project. Human Genome Variation, 2021, 8, 44.	0.7	7
59	Nrf2 plays a critical role in the metabolic response during and after spaceflight. Communications Biology, 2021, 4, 1381.	4.4	10
60	Association of treatment-achieved HbA1c with incidence of coronary artery disease and severe eye disease in diabetes patients. Diabetes and Metabolism, 2020, 46, 331-334.	2.9	4
61	Cohort Profile: Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study (TMM) Tj ETQq1 1 0.784314 rgBT /Overlock 2020, 49, 18-19m.	1.9	107
62	Quantitative and qualitative impairments in GATA2 and myeloid neoplasms. IUBMB Life, 2020, 72, 142-150.	3.4	13
63	Wavelength- and Tissue- dependent Variations in the Mutagenicity of Cyclobutane Pyrimidine Dimers in Mouse Skin. Photochemistry and Photobiology, 2020, 96, 94-104.	2.5	14
64	Cis-element architecture of Nrf2's Maf heterodimer binding sites and its relation to diseases. Archives of Pharmacal Research, 2020, 43, 275-285.	6.3	50
65	The Keap1-Nrf2 pathway: From mechanism to medical applications. , 2020, , 125-147.		1
66	Effects of post-renal anemia treatment with the HIF-PHD inhibitor molidustat on adenine-induced renal anemia and kidney disease in mice. Journal of Pharmacological Sciences, 2020, 144, 229-236.	2.5	14
67	Landscape of electrophilic and inflammatory stress-mediated gene regulation in human lymphoblastoid cell lines. Free Radical Biology and Medicine, 2020, 161, 71-83.	2.9	4
68	Low birth weight and abnormal pre-pregnancy body mass index were at higher risk for hypertensive disorders of pregnancy. Pregnancy Hypertension, 2020, 22, 119-125.	1.4	5
69	Environmental pollutants and the immune response. Nature Immunology, 2020, 21, 1486-1495.	14.5	143
70	Fundamental Biological Features of Spaceflight: Advancing the Field to Enable Deep-Space Exploration. Cell, 2020, 183, 1162-1184.	28.9	185
71	Enhancer remodeling promotes tumor-initiating activity in NRF2-activated non-small cell lung cancers. Nature Communications, 2020, 11, 5911.	12.8	60
72	Preconditioning the immature lung with enhanced Nrf2 activity protects against oxidant-induced hypoalveolarization in mice. Scientific Reports, 2020, 10, 19034.	3.3	10

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73	Association of single nucleotide polymorphisms in the NRF2 promoter with vascular stiffness with aging. PLoS ONE, 2020, 15, e0236834.	2.5	9
74	Low Birthweight Affects Predicted FEV1 in People in Their 20s; Factors Influencing Lung Function in Adulthood Based on the Tohoku Medical Megabank Organization Community Health Survey. , 2020, , .		0
75	Geldanamycin-Derived HSP90 Inhibitors Are Synthetic Lethal with NRF2. Molecular and Cellular Biology, 2020, 40, .	2.3	24
76	O-Glycan-Altered Extracellular Vesicles: A Specific Serum Marker Elevated in Pancreatic Cancer. Cancers, 2020, 12, 2469.	3.7	26
77	Nrf2 contributes to the weight gain of mice during space travel. Communications Biology, 2020, 3, 496.	4.4	27
78	Machine learning for effectively avoiding overfitting is a crucial strategy for the genetic prediction of polygenic psychiatric phenotypes. Translational Psychiatry, 2020, 10, 294.	4.8	11
79	Analysis of HLA-G long-read genomic sequences in motherâ€œoffspring pairs with preeclampsia. Scientific Reports, 2020, 10, 20027.	3.3	5
80	Identification of critical genetic variants associated with metabolic phenotypes of the Japanese population. Communications Biology, 2020, 3, 662.	4.4	16
81	Combining MRI and genetic data in the Tohoku Medical Megabank Organization cohort study for innovative Alzheimerâ€™s disease research. Alzheimer's and Dementia, 2020, 16, e045688.	0.8	1
82	Investigation of Df Induced Asthma Model in Each Age of Mice. , 2020, , .		0
83	Improved metabolomic data-based prediction of depressive symptoms using nonlinear machine learning with feature selection. Translational Psychiatry, 2020, 10, 157.	4.8	24
84	Hypertensive disorders of pregnancy, obesity, and hypertension in later life by age group: a cross-sectional analysis. Hypertension Research, 2020, 43, 1277-1283.	2.7	14
85	Transethnic Meta-Analysis of Genome-Wide Association Studies Identifies Three New Loci and Characterizes Population-Specific Differences for Coronary Artery Disease. Circulation Genomic and Precision Medicine, 2020, 13, e002670.	3.6	44
86	Nrf2 Antioxidative System is Involved in Cytochrome P450 Gene Expression and Activity: A Delay in Pentobarbital Metabolism in Nrf2-Deficient Mice. Drug Metabolism and Disposition, 2020, 48, 673-680.	3.3	13
87	Large-scale genome-wide association study in a Japanese population identifies novel susceptibility loci across different diseases. Nature Genetics, 2020, 52, 669-679.	21.4	304
88	Production of IL-17A at Innate Immune Phase Leads to Decreased Th1 Immune Response and Attenuated Host Defense against Infection with <i>Cryptococcus deuterogamans</i> . Journal of Immunology, 2020, 205, 686-698.	0.8	13
89	Oxidative-stress-driven mutagenesis in the small intestine of the gpt delta mouse induced by oral administration of potassium bromate. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 850-851, 503136.	1.7	8
90	Microenvironmental Activation of Nrf2 Restricts the Progression of Nrf2-Activated Malignant Tumors. Cancer Research, 2020, 80, 3331-3344.	0.9	36

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91	<i>Keap1</i> deletion accelerates mutant <i>K-ras</i> / <i>p53</i> -driven cholangiocarcinoma. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G419-G427.	3.4	15
92	Impacts of NRF2 activation in non-small cell lung cancer cell lines on extracellular metabolites. <i>Cancer Science</i> , 2020, 111, 667-678.	3.9	29
93	Nrf2 Suppresses Oxidative Stress and Inflammation in <i>App</i> Knock-In Alzheimer's Disease Model Mice. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	98
94	Amino-acid selective isotope labeling enables simultaneous overlapping signal decomposition and information extraction from NMR spectra. <i>Journal of Biomolecular NMR</i> , 2020, 74, 125-137.	2.8	2
95	Public Relations and Communication Strategies in Construction of Large-Scale Cohorts and Biobank: Practice in the Tohoku Medical Megabank Project. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 250, 253-262.	1.2	3
96	Genome-wide association study identifies new loci for albuminuria in the Japanese population. <i>Clinical and Experimental Nephrology</i> , 2020, 24, 1-9.	1.6	9
97	EV1 and GATA2 misexpression induced by <i>inv(3)(q21q26)</i> contribute to megakaryocyte-lineage skewing and leukemogenesis. <i>Blood Advances</i> , 2020, 4, 1722-1736.	5.2	16
98	The Molecular Mechanisms Regulating the KEAP1-NRF2 Pathway. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	620
99	Oral Microbiome Analysis in Prospective Genome Cohort Studies of the Tohoku Medical Megabank Project. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 604596.	3.9	12
100	A genotype imputation method for de-identified haplotype reference information by using recurrent neural network. <i>PLoS Computational Biology</i> , 2020, 16, e1008207.	3.2	11
101	Design and Progress of Oral Health Examinations in the Tohoku Medical Megabank Project. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 251, 97-115.	1.2	3
102	Title is missing!. , 2020, 15, e0236834.		0
103	Title is missing!. , 2020, 15, e0236834.		0
104	Title is missing!. , 2020, 15, e0236834.		0
105	Title is missing!. , 2020, 15, e0236834.		0
106	Direct and Specific Functional Evaluation of the Nrf2 and MafG Heterodimer by Introducing a Tethered Dimer into Small Maf-Deficient Cells. <i>Molecular and Cellular Biology</i> , 2019, 39, .	2.3	25
107	Dietary supplementation with sulforaphane attenuates liver damage and heme overload in a sickle cell disease murine model. <i>Experimental Hematology</i> , 2019, 77, 51-60.e1.	0.4	6
108	An immortalized cell line derived from renal erythropoietin-producing (REP) cells demonstrates their potential to transform into myofibroblasts. <i>Scientific Reports</i> , 2019, 9, 11254.	3.3	23

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109	A training and education program for genome medical research coordinators in the genome cohort study of the Tohoku Medical Megabank Organization. BMC Medical Education, 2019, 19, 297.	2.4	9
110	Molecular Mechanism of Cellular Oxidative Stress Sensing by Keap1. Cell Reports, 2019, 28, 746-758.e4.	6.4	179
111	3.5KJPNv2: an allele frequency panel of 3552 Japanese individuals including the X chromosome. Human Genome Variation, 2019, 6, 28.	0.7	115
112	A low-frequency IL4R locus variant in Japanese patients with intravenous immunoglobulin therapy-unresponsive Kawasaki disease. Pediatric Rheumatology, 2019, 17, 34.	2.1	11
113	Characterizing rare and low-frequency height-associated variants in the Japanese population. Nature Communications, 2019, 10, 4393.	12.8	123
114	Nrf2 Suppresses Allergic Lung Inflammation by Attenuating the Type 2 Innate Lymphoid Cell Response. Journal of Immunology, 2019, 202, 1331-1339.	0.8	24
115	Construction of JRG (Japanese reference genome) with single-molecule real-time sequencing. Human Genome Variation, 2019, 6, 27.	0.7	9
116	Conductive Adhesive Film Expands the Utility of Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. Analytical Chemistry, 2019, 91, 8979-8986.	6.5	20
117	Environmental Electrophile-Mediated Toxicity in Mice Lacking Nrf2, CSE, or Both. Environmental Health Perspectives, 2019, 127, 67002.	6.0	30
118	Biobank Establishment and Sample Management in the Tohoku Medical Megabank Project. Tohoku Journal of Experimental Medicine, 2019, 248, 45-55.	1.2	40
119	Gut microbiome-derived phenyl sulfate contributes to albuminuria in diabetic kidney disease. Nature Communications, 2019, 10, 1835.	12.8	173
120	Identification of genetic alterations in extramammary Paget disease using whole exome analysis. Journal of Dermatological Science, 2019, 94, 229-235.	1.9	23
121	Estimating carrier frequencies of newborn screening disorders using a whole-genome reference panel of 3552 Japanese individuals. Human Genetics, 2019, 138, 389-409.	3.8	7
122	Maternity Log study: a longitudinal lifelog monitoring and multiomics analysis for the early prediction of complicated pregnancy. BMJ Open, 2019, 9, e025939.	1.9	10
123	Genome-wide association meta-analysis and Mendelian randomization analysis confirm the influence of ALDH2 on sleep duration in the Japanese population. Sleep, 2019, 42, .	1.1	16
124	Outlier detection for questionnaire data in biobanks. International Journal of Epidemiology, 2019, 48, 1305-1315.	1.9	9
125	GATA2 hypomorphism induces chronic myelomonocytic leukemia in mice. Cancer Science, 2019, 110, 1183-1193.	3.9	13
126	Pathogenic mutations identified by a multimodality approach in 117 Japanese Fanconi anemia patients. Haematologica, 2019, 104, 1962-1973.	3.5	22

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127	New insights into nuclear factor erythroid 2-related factors in toxicology and pharmacology. Toxicology and Applied Pharmacology, 2019, 367, 33-35.	2.8	8
128	Nrf2 activation in myeloid cells and endothelial cells differentially mitigates sickle cell disease pathology in mice. Blood Advances, 2019, 3, 1285-1297.	5.2	17
129	P3534Optimal dosing of initial bolus of intravenous furosemide in acute heart failure: insights from REALITY-AHF. European Heart Journal, 2019, 40, .	2.2	0
130	Aryl Hydrocarbon Receptor Directly Regulates <i>Artemin</i> Gene Expression. Molecular and Cellular Biology, 2019, 39, .	2.3	17
131	Genome analyses for the Tohoku Medical Megabank Project towards establishment of personalized healthcare. Journal of Biochemistry, 2019, 165, 139-158.	1.7	33
132	Biallelic GALM pathogenic variants cause a novel type of galactosemia. Genetics in Medicine, 2019, 21, 1286-1294.	2.4	40
133	Construction of full-length Japanese reference panel of class I HLA genes with single-molecule, real-time sequencing. Pharmacogenomics Journal, 2019, 19, 136-146.	2.0	12
134	Identification of 28 new susceptibility loci for type 2 diabetes in the Japanese population. Nature Genetics, 2019, 51, 379-386.	21.4	164
135	Nrf2 represses the onset of type 1 diabetes in non-obese diabetic mice. Journal of Endocrinology, 2019, 240, 403-416.	2.6	33
136	Establishment of Integrated Biobank for Precision Medicine and Personalized Healthcare: The Tohoku Medical Megabank Project. JMA Journal, 2019, 2, 113-122.	0.8	21
137	Quantitative analysis of UV photolesions suggests that cyclobutane pyrimidine dimers produced in mouse skin by UVB are more mutagenic than those produced by UVC. Photochemical and Photobiological Sciences, 2018, 17, 404-413.	2.9	20
138	Severity of eczema and mental health problems in Japanese schoolchildren: The ToMMo Child Health Study. Allergology International, 2018, 67, 481-486.	3.3	18
139	Role of fatty liver in the association between obesity and reduced hepatic insulin clearance. Diabetes and Metabolism, 2018, 44, 135-142.	2.9	16
140	Omics research project on prospective cohort studies from the Tohoku Medical Megabank Project. Genes To Cells, 2018, 23, 406-417.	1.2	38
141	Identification of somatic genetic alterations in ovarian clear cell carcinoma with next generation sequencing. Genes Chromosomes and Cancer, 2018, 57, 51-60.	2.8	83
142	jMorp: Japanese Multi Omics Reference Panel. Nucleic Acids Research, 2018, 46, D551-D557.	14.5	90
143	Simultaneous <i>K-ras</i> activation and <i>Keap1</i> deletion cause atrophy of pancreatic parenchyma. American Journal of Physiology - Renal Physiology, 2018, 314, G65-G74.	3.4	19
144	Evaluation of reported pathogenic variants and their frequencies in a Japanese population based on a whole-genome reference panel of 2049 individuals. Journal of Human Genetics, 2018, 63, 213-230.	2.3	35

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145	Predictors of the response of HbA1c and body weight after SGLT2 inhibition. <i>Diabetes and Metabolism</i> , 2018, 44, 172-174.	2.9	8
146	Interethnic analyses of blood pressure loci in populations of East Asian and European descent. <i>Nature Communications</i> , 2018, 9, 5052.	12.8	75
147	Development and application of a rapid and sensitive genotyping method for pharmacogene variants using the single-stranded tag hybridization chromatographic printed-array strip (STH-PAS). <i>Drug Metabolism and Pharmacokinetics</i> , 2018, 33, 258-263.	2.2	9
148	Iron attenuates erythropoietin production by decreasing hypoxia-inducible transcription factor 2 α concentrations in renal interstitial fibroblasts. <i>Kidney International</i> , 2018, 94, 900-911.	5.2	26
149	Roles of the KEAP1-NRF2 system in mammalian skin exposed to UV radiation. <i>Toxicology and Applied Pharmacology</i> , 2018, 360, 69-77.	2.8	50
150	Genome-wide analysis of polymorphism \times sodium interaction effect on blood pressure identifies a novel 3 α -BCL11B gene desert locus. <i>Scientific Reports</i> , 2018, 8, 14162.	3.3	10
151	Functional characterization of 40 CYP2B6 allelic variants by assessing efavirenz 8-hydroxylation. <i>Biochemical Pharmacology</i> , 2018, 156, 420-430.	4.4	16
152	C151 in KEAP1 is the main cysteine sensor for the cyanoenone class of NRF2 activators, irrespective of molecular size or shape. <i>Scientific Reports</i> , 2018, 8, 8037.	3.3	58
153	Functional Characterization of 21 Allelic Variants of Dihydropyrimidine Dehydrogenase Identified in 1070 Japanese Individuals. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1083-1090.	3.3	30
154	Detection of novel metabolite for roxadustat doping by global metabolomics. <i>Journal of Biochemistry</i> , 2018, 163, e1-e1.	1.7	2
155	α -GlcNAcylation Signal Mediates Proteasome Inhibitor Resistance in Cancer Cells by Stabilizing NRF1. <i>Molecular and Cellular Biology</i> , 2018, 38, .	2.3	43
156	Adipocyte-specific deficiency of Nfe2l1 disrupts plasticity of white adipose tissues and metabolic homeostasis in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 264-270.	2.1	35
157	Genetic inactivation of Nrf2 prevents clonal expansion of initiated cells in a nutritional model of rat hepatocarcinogenesis. <i>Journal of Hepatology</i> , 2018, 69, 635-643.	3.7	31
158	The KEAP1-NRF2 System: a Thiol-Based Sensor-Effector Apparatus for Maintaining Redox Homeostasis. <i>Physiological Reviews</i> , 2018, 98, 1169-1203.	28.8	1,067
159	Regional genetic differences among Japanese populations and performance of genotype imputation using whole-genome reference panel of the Tohoku Medical Megabank Project. <i>BMC Genomics</i> , 2018, 19, 551.	2.8	14
160	Metabolomic changes in the mouse retina after optic nerve injury. <i>Scientific Reports</i> , 2018, 8, 11930.	3.3	16
161	Nrf2 Improves Leptin and Insulin Resistance Provoked by Hypothalamic Oxidative Stress. <i>Cell Reports</i> , 2017, 18, 2030-2044.	6.4	96
162	Hyperactivation of Nrf2 in early tubular development induces nephrogenic diabetes insipidus. <i>Nature Communications</i> , 2017, 8, 14577.	12.8	64

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