

Seizo Koshiba

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,027
citations

393982

19
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288905

40
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43
all docs

43
docs citations

43
times ranked

2332
citing authors

#	ARTICLE	IF	CITATIONS
1	A cross-population atlas of genetic associations for 220 human phenotypes. <i>Nature Genetics</i> , 2021, 53, 1415-1424.	9.4	560
2	The Tohoku Medical Megabank Project: Design and Mission. <i>Journal of Epidemiology</i> , 2016, 26, 493-511.	1.1	236
3	3.5KJPNv2: an allele frequency panel of 3552 Japanese individuals including the X chromosome. <i>Human Genome Variation</i> , 2019, 6, 28.	0.4	115
4	Cohort Profile: Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study (TMM) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 2020, 49, 18-19m.	0.9	107
5	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.	6.5	107
6	jMorp: Japanese Multi Omics Reference Panel. <i>Nucleic Acids Research</i> , 2018, 46, D551-D557.	6.5	90
7	Molecular basis for the disruption of Keap1â€Nrf2 interaction via Hinge & Latch mechanism. <i>Communications Biology</i> , 2021, 4, 576.	2.0	84
8	Study Profile of the Tohoku Medical Megabank Community-Based Cohort Study. <i>Journal of Epidemiology</i> , 2021, 31, 65-76.	1.1	81
9	Improving cell-free protein synthesis for stable-isotope labeling. <i>Journal of Biomolecular NMR</i> , 2007, 37, 225-229.	1.6	67
10	Establishment of Protocols for Global Metabolomics by LC-MS for Biomarker Discovery. <i>PLoS ONE</i> , 2016, 11, e0160555.	1.1	56
11	A practical method for cell-free protein synthesis to avoid stable isotope scrambling and dilution. <i>Analytical Biochemistry</i> , 2011, 411, 223-229.	1.1	53
12	Biallelic GALM pathogenic variants cause a novel type of galactosemia. <i>Genetics in Medicine</i> , 2019, 21, 1286-1294.	1.1	40
13	Omics research project on prospective cohort studies from the Tohoku Medical Megabank Project. <i>Genes To Cells</i> , 2018, 23, 406-417.	0.5	38
14	Identification of biomarkers to diagnose diseases and find adverse drug reactions by metabolomics. <i>Drug Metabolism and Pharmacokinetics</i> , 2021, 37, 100373.	1.1	36
15	Evaluation of reported pathogenic variants and their frequencies in a Japanese population based on a whole-genome reference panel of 2049 individuals. <i>Journal of Human Genetics</i> , 2018, 63, 213-230.	1.1	35
16	Genome analyses for the Tohoku Medical Megabank Project towards establishment of personalized healthcare. <i>Journal of Biochemistry</i> , 2019, 165, 139-158.	0.9	33
17	Nrf2 contributes to the weight gain of mice during space travel. <i>Communications Biology</i> , 2020, 3, 496.	2.0	27
18	O-Glycan-Altered Extracellular Vesicles: A Specific Serum Marker Elevated in Pancreatic Cancer. <i>Cancers</i> , 2020, 12, 2469.	1.7	26

#	ARTICLE	IF	CITATIONS
19	Improved metabolomic data-based prediction of depressive symptoms using nonlinear machine learning with feature selection. <i>Translational Psychiatry</i> , 2020, 10, 157.	2.4	24
20	The structural origin of metabolic quantitative diversity. <i>Scientific Reports</i> , 2016, 6, 31463.	1.6	18
21	Identification of novel biomarkers of hepatocellular carcinoma by high-resolution mass spectrometry: Ultrahigh-performance liquid chromatography quadrupole time-of-flight mass spectrometry and desorption electrospray ionization mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8551.	0.7	17
22	Japonica Array NEO with increased genome-wide coverage and abundant disease risk SNPs. <i>Journal of Biochemistry</i> , 2021, 170, 399-410.	0.9	17
23	Metabolomic changes in the mouse retina after optic nerve injury. <i>Scientific Reports</i> , 2018, 8, 11930.	1.6	16
24	Identification of critical genetic variants associated with metabolic phenotypes of the Japanese population. <i>Communications Biology</i> , 2020, 3, 662.	2.0	16
25	Wide-Targeted Metabolome Analysis Identifies Potential Biomarkers for Prognosis Prediction of Epithelial Ovarian Cancer. <i>Toxins</i> , 2021, 13, 461.	1.5	14
26	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.	1.1	13
27	Stable isotope labeling strategy based on coding theory. <i>Journal of Biomolecular NMR</i> , 2015, 63, 213-221.	1.6	12
28	Maternity Log study: a longitudinal lifelog monitoring and multiomics analysis for the early prediction of complicated pregnancy. <i>BMJ Open</i> , 2019, 9, e025939.	0.8	10
29	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.	0.6	10
30	Comparison of Kit-Based Metabolomics with Other Methodologies in a Large Cohort, towards Establishing Reference Values. <i>Metabolites</i> , 2021, 11, 652.	1.3	10
31	Nrf2 plays a critical role in the metabolic response during and after spaceflight. <i>Communications Biology</i> , 2021, 4, 1381.	2.0	10
32	Identification of key neoculin residues responsible for the binding and activation of the sweet taste receptor. <i>Scientific Reports</i> , 2015, 5, 12947.	1.6	9
33	Estimating carrier frequencies of newborn screening disorders using a whole-genome reference panel of 3552 Japanese individuals. <i>Human Genetics</i> , 2019, 138, 389-409.	1.8	7
34	Machine learning approaches to predict gestational age in normal and complicated pregnancies via urinary metabolomics analysis. <i>Scientific Reports</i> , 2021, 11, 17777.	1.6	7
35	dbTMM: an integrated database of large-scale cohort, genome and clinical data for the Tohoku Medical Megabank Project. <i>Human Genome Variation</i> , 2021, 8, 44.	0.4	7
36	Metabolic Profiling of the Cerebrospinal Fluid in Pediatric Epilepsy. <i>Acta Medica Okayama</i> , 2020, 74, 65-72.	0.1	4

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37	Design and Progress of Oral Health Examinations in the Tohoku Medical Megabank Project. Tohoku Journal of Experimental Medicine, 2020, 251, 97-115.	0.5	3
38	Esterification promotes the intracellular accumulation of roxadustat, an activator of hypoxia-inducible factors, to extend its effective duration. Biochemical Pharmacology, 2022, 197, 114939.	2.0	3
39	Detection of novel metabolite for roxadustat doping by global metabolomics. Journal of Biochemistry, 2018, 163, e1-e1.	0.9	2
40	Amino-acid selective isotope labeling enables simultaneous overlapping signal decomposition and information extraction from NMR spectra. Journal of Biomolecular NMR, 2020, 74, 125-137.	1.6	2