Yoshinori Murakami

List of Publications by Year
in descending order

129 papers	8,676 citations	41323 49 h-index	60583 81 g-index
141 all docs	141 docs citations	141 times ranked	10581 citing authors

#	Article	IF	Citations
1	A cross-population atlas of genetic associations for 220 human phenotypes. Nature Genetics, 2021, 53, 1415-1424.	9.4	560
2	Overview of the BioBank Japan Project: Study design and profile. Journal of Epidemiology, 2017, 27, S2-S8.	1.1	451
3	TSLC1 is a tumor-suppressor gene in human non-small-cell lung cancer. Nature Genetics, 2001, 27, 427-430.	9.4	402
4	The Polygenic and Monogenic Basis of Blood Traits and Diseases. Cell, 2020, 182, 1214-1231.e11.	13.5	388
5	Trans-ethnic and Ancestry-Specific Blood-Cell Genetics in 746,667 Individuals from 5 Global Populations. Cell, 2020, 182, 1198-1213.e14.	13.5	353
6	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	13.7	353
7	Large-scale genome-wide association study in a Japanese population identifies novel susceptibility loci across different diseases. Nature Genetics, 2020, 52, 669-679.	9.4	304
8	Population-specific and trans-ancestry genome-wide analyses identify distinct and shared genetic risk loci for coronary artery disease. Nature Genetics, 2020, 52, 1169-1177.	9.4	206
9	Genetic predisposition to mosaic Y chromosome loss in blood. Nature, 2019, 575, 652-657.	13.7	198
10	Overexpression of a cell adhesion molecule, TSLC1, as a possible molecular marker for acute-type adult T-cell leukemia. Blood, 2004, 105, 1204-1213.	0.6	164
11	Identification of 28 new susceptibility loci for type 2 diabetes in the Japanese population. Nature Genetics, 2019, 51, 379-386.	9.4	164
12	CRTAM determines the CD4+ cytotoxic T lymphocyte lineage. Journal of Experimental Medicine, 2016, 213, 123-138.	4.2	155
13	Involvement of a cell adhesion molecule, TSLC1/IGSF4, in human oncogenesis. Cancer Science, 2005, 96, 543-552.	1.7	152
14	The Tumor Suppressor Protein TSLC1 Is Involved in Cell-Cell Adhesion. Journal of Biological Chemistry, 2002, 277, 31014-31019.	1.6	148
15	Direct association of TSLC1 and DAL-1, two distinct tumor suppressor proteins in lung cancer. Cancer Research, 2002, 62, 5129-33.	0.4	148
16	Cross-sectional analysis of BioBank Japan clinical data: A large cohort of 200,000 patients with 47 common diseases. Journal of Epidemiology, 2017, 27, S9-S21.	1.1	133
17	Improving the trans-ancestry portability of polygenic risk scores by prioritizing variants in predicted cell-type-specific regulatory elements. Nature Genetics, 2020, 52, 1346-1354.	9.4	126
18	Characterizing rare and low-frequency height-associated variants in the Japanese population. Nature Communications, 2019, 10, 4393.	5.8	123

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19	Hematopoietic mosaic chromosomal alterations increase the risk for diverse types of infection. Nature Medicine, 2021, 27, 1012-1024.	15.2	109
20	Leveraging fine-mapping and multipopulation training data to improve cross-population polygenic risk scores. Nature Genetics, 2022, 54, 450-458.	9.4	109
21	A 2-Mb Sequence-Ready Contig Map and a Novel Immunoglobulin Superfamily Gene IGSF4 in the LOH Region of Chromosome 11q23.2. Genomics, 1999, 62, 139-146.	1.3	108
22	Promoter methylation of theTSLC1 gene in advanced lung tumors and various cancer cell lines. International Journal of Cancer, 2003, 107, 53-59.	2.3	105
23	Lung cancer with loss of <scp>BRG</scp>1/<scp>BRM</scp>, shows epithelial mesenchymal transition phenotype and distinct histologic and genetic features. Cancer Science, 2013, 104, 266-273.	1.7	103
24	Chromosomal alterations among age-related haematopoietic clones in Japan. Nature, 2020, 584, 130-135.	13.7	102
25	Promoter Methylation ofTSLC1and Tumor Suppression by Its Gene Product in Human Prostate Cancer. Japanese Journal of Cancer Research, 2002, 93, 605-609.	1.7	94
26	Disruption of Spermatogenic Cell Adhesion and Male Infertility in Mice Lacking TSLC1/IGSF4, an Immunoglobulin Superfamily Cell Adhesion Molecule. Molecular and Cellular Biology, 2006, 26, 3610-3624.	1.1	91
27	Identification of CCDC6-RET Fusion in the Human Lung Adenocarcinoma Cell Line, LC-2/ad. Journal of Thoracic Oncology, 2012, 7, 1872-1876.	0.5	90
28	Involvement of TSLC1 in progression of esophageal squamous cell carcinoma. Cancer Research, 2003, 63, 6320-6.	0.4	85
29	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, 4957.	5.8	84
30	Loss of <scp>YAP</scp>1 defines neuroendocrine differentiation of lung tumors. Cancer Science, 2016, 107, 1527-1538.	1.7	82
31	GWAS of 165,084 Japanese individuals identified nine loci associated with dietary habits. Nature Human Behaviour, 2020, 4, 308-316.	6.2	80
32	Combined landscape of single-nucleotide variants and copy number alterations in clonal hematopoiesis. Nature Medicine, 2021, 27, 1239-1249.	15.2	78
33	Promoter Methylation of DAL-1/4.1B Predicts Poor Prognosis in Nonâ€“Small Cell Lung Cancer. Clinical Cancer Research, 2005, 11, 2954-2961.	3.2	76
34	Hypermethylation of theTSLC1/IGSF4 promoter is associated with tobacco smoking and a poor prognosis in primary nonsmall cell lung carcinoma. Cancer, 2006, 106, 1751-1758.	2.0	75
35	Trans-biobank analysis with 676,000 individuals elucidates the association of polygenic risk scores of complex traits with human lifespan. Nature Medicine, 2020, 26, 542-548.	15.2	74
36	Association of a lung tumor suppressor TSLC1 with MPP3, a human homologue of Drosophila tumor suppressor Dlg. Oncogene, 2003, 22, 6160-6165.	2.6	72

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37	Promoter hypermethylation of the potential tumor suppressorDAL-1/4.1Bgene in renal clear cell carcinoma. International Journal of Cancer, 2006, 118, 916-923.	2.3	71
38	Expansion of Cancer Risk Profile for BRCA1 and BRCA2 Pathogenic Variants. JAMA Oncology, 2022, 8, 871.	3.4	70
39	Isolation of the TSLL1 and TSLL2 genes, members of the tumor suppressor TSLC1 gene family encoding transmembrane proteins. Oncogene, 2001, 20, 5401-5407.	2.6	66
40	Aberrant expression of tumor suppressors CADM1 and 4.1B in invasive lesions of primary breast cancer. Breast Cancer, 2012, 19, 242-252.	1.3	66
41	Expression of PRMT5 in lung adenocarcinoma and its significance in epithelial-mesenchymal transition. Human Pathology, 2014, 45, 1397-1405.	1.1	66
42	Genome-wide meta-analysis identifies multiple novel loci associated with serum uric acid levels in Japanese individuals. Communications Biology, 2019, 2, 115.	2.0	66
43	Hypermethylation of theTSLC1Gene Promoter in Primary Gastric Cancers and Gastric Cancer Cell Lines. Japanese Journal of Cancer Research, 2002, 93, 857-860.	1.7	65
44	Loss of Tumor Suppressor in Lung Cancer-1 (TSLC1) Expression in Meningioma Correlates with Increased Malignancy Grade and Reduced Patient Survival. Journal of Neuropathology and Experimental Neurology, 2004, 63, 1015-1027.	0.9	61
45	CADM1 Interacts with Tiam1 and Promotes Invasive Phenotype of Human T-cell Leukemia Virus Type I-transformed Cells and Adult T-cell Leukemia Cells. Journal of Biological Chemistry, 2010, 285, 15511-15522.	1.6	61
46	Dimensionality reduction reveals fine-scale structure in the Japanese population with consequences for polygenic risk prediction. Nature Communications, 2020, 11, 1569.	5.8	58
47	Tumor suppressor CADM1 is involved in epithelial cell structure. Biochemical and Biophysical Research Communications, 2009, 390, 977-982.	1.0	56
48	Functional cloning of a tumor suppressor gene, TSLC1, in human non-small cell lung cancer. Oncogene, 2002, 21, 6936-6948.	2.6	54
49	Aberrations of a cell adhesion molecule CADM4 in renal clear cell carcinoma. International Journal of Cancer, 2012, 130, 1329-1337.	2.3	54
50	Development of a Highly Sensitive Device for Counting the Number of Disease-Specific Exosomes in Human Sera. Clinical Chemistry, 2018, 64, 1463-1473.	1.5	53
51	GWAS identifies two novel colorectal cancer loci at 16q24.1 and 20q13.12. Carcinogenesis, 2018, 39, 652-660.	1.3	52
52	GWAS of mosaic loss of chromosome Y highlights genetic effects on blood cell differentiation. Nature Communications, 2019, 10, 4719.	5.8	50
53	Expression of TSLC1, a candidate tumor suppressor gene mapped to chromosome 11q23, is downregulated in unfavorable neuroblastoma without promoter hypermethylation. International Journal of Cancer, 2008, 123, 2087-2094.	2.3	48
54	Overview of BioBank Japan follow-up data in 32 diseases. Journal of Epidemiology, 2017, 27, S22-S28.	1.1	47

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55	Fine mapping of the 11q22â€“23 tumor suppressive region and involvement ofTSLC1 in nasopharyngeal carcinoma. International Journal of Cancer, 2004, 112, 628-635.	2.3	46
56	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.	1.6	44
57	The cytoplasmic domain is critical to the tumor suppressor activity of TSLC1 in non-small cell lung cancer. Cancer Research, 2003, 63, 7979-85.	0.4	43
58	Loss of TSLC1 expression in lung adenocarcinoma: Relationships with histological subtypes, sex and prognostic significance. Cancer Science, 2005, 96, 480-486.	1.7	42
59	The ERK signaling target RNF126 regulates anoikis resistance in cancer cells by changing the mitochondrial metabolic flux. Cell Discovery, 2016, 2, 16019.	3.1	40
60	Characterization of KIF11 as a novel prognostic biomarker and therapeutic target for oral cancer. International Journal of Oncology, 2018, 52, 155-165.	1.4	39
61	Genomeâ€wide association study identifies gastric cancer susceptibility loci at 12q24.11â€12 and 20q11.21. Cancer Science, 2018, 109, 4015-4024.	1.7	39
62	Genetic characterization of pancreatic cancer patients and prediction of carrier status of germline pathogenic variants in cancer-predisposing genes. EBioMedicine, 2020, 60, 103033.	2.7	39
63	Increased ectodomain shedding of lung epithelial cell adhesion molecule 1 as a cause of increased alveolar cell apoptosis in emphysema. Thorax, 2014, 69, 223-231.	2.7	37
64	Tumor suppressor cell adhesion molecule 1 (CADM1) is cleaved by a disintegrin and metalloprotease 10 (ADAM10) and subsequently cleaved by Î³-secretase complex. Biochemical and Biophysical Research Communications, 2012, 417, 462-467.	1.0	36
65	Tumor Suppressor in Lung Cancer (TSLC)1 Suppresses Epithelial Cell Scattering and Tubulogenesis. Journal of Biological Chemistry, 2005, 280, 42164-42171.	1.6	34
66	Genome-wide association meta-analysis identifies GP2 gene risk variants for pancreatic cancer. Nature Communications, 2020, 11, 3175.	5.8	34
67	Trans-Homophilic Interaction of CADM1 Activates PI3K by Forming a Complex with MAGuK-Family Proteins MPP3 and Dlg. PLoS ONE, 2014, 9, e82894.	1.1	34
68	Genetic analysis of right heart structure and function in 40,000 people. Nature Genetics, 2022, 54, 792-803.	9.4	34
69	Expression of a Soluble Isoform of Cell Adhesion Molecule 1 in the Brain and Its Involvement in Directional Neurite Outgrowth. American Journal of Pathology, 2009, 174, 2278-2289.	1.9	33
70	Measles virus selectively blind to signaling lymphocyte activity molecule has oncolytic efficacy against nectinâ€4â€expressing pancreatic cancer cells. Cancer Science, 2016, 107, 1647-1652.	1.7	32
71	Xanthohumol inhibits STAT3 activation pathway leading to growth suppression and apoptosis induction in human cholangiocarcinoma cells. Oncology Reports, 2016, 35, 2065-2072.	1.2	32
72	GWAS of five gynecologic diseases and cross-trait analysis in Japanese. European Journal of Human Genetics, 2020, 28, 95-107.	1.4	32

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73	Genetic and phenotypic landscape of the mitochondrial genome in the Japanese population. Communications Biology, 2020, 3, 104.	2.0	32
74	NECAB3 Promotes Activation of Hypoxia-inducible factor-1 during Normoxia and Enhances Tumourigenicity of Cancer Cells. Scientific Reports, 2016, 6, 22784.	1.6	30
75	Cell adhesion molecule 1 is a new osteoblastic cell adhesion molecule and a diagnostic marker for osteosarcoma. Life Sciences, 2013, 92, 91-99.	2.0	29
76	Random Segregation of DNA Strands in Epidermal Basal Cells. Japanese Journal of Cancer Research, 1989, 80, 637-642.	1.7	27
77	A One-Pot Three-Component Double-Click Method for Synthesis of [67Cu]-Labeled Biomolecular Radiotherapeutics. Scientific Reports, 2017, 7, 1912.	1.6	25
78	A measles virus selectively blind to signaling lymphocytic activation molecule shows anti-tumor activity against lung cancer cells. Oncotarget, 2015, 6, 24895-24903.	0.8	25
79	Adhesion molecule CADM1 contributes to gap junctional communication among pancreatic islet Î±-cells and prevents their excessive secretion of glucagon. Islets, 2012, 4, 49-55.	0.9	24
80	Control of metastatic niche formation by targeting APBA3/Mint3 in inflammatory monocytes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4416-E4424.	3.3	24
81	Genomic and transcriptional alterations of cholangiocarcinoma. Journal of Hepato-Biliary-Pancreatic Sciences, 2014, 21, 380-387.	1.4	23
82	Accumulation of genetic alterations and their significance in each primary human cancer and cell line. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 400, 421-437.	0.4	22
83	Expression of a splicing variant of the <scp>CADM1</scp> specific to small cell lung cancer. Cancer Science, 2012, 103, 1051-1057.	1.7	22
84	Endogenization and excision of human herpesvirus 6 in human genomes. PLoS Genetics, 2020, 16, e1008915.	1.5	22
85	A Mendelian randomization study identified obesity as a causal risk factor of uterine endometrial cancer in Japanese. Cancer Science, 2020, 111, 4646-4651.	1.7	22
86	Genome-Wide Natural Selection Signatures Are Linked to Genetic Risk of Modern Phenotypes in the Japanese Population. Molecular Biology and Evolution, 2020, 37, 1306-1316.	3.5	22
87	Cell division cycle associated 1 as a novel prognostic biomarker and therapeutic target for oral cancer. International Journal of Oncology, 2016, 49, 1385-1393.	1.4	20
88	Population-based Screening for Hereditary Colorectal Cancer Variants in Japan. Clinical Gastroenterology and Hepatology, 2022, 20, 2132-2141.e9.	2.4	20
89	Dynamic Regulation of a Cell Adhesion Protein Complex Including CADM1 by Combinatorial Analysis of FRAP with Exponential Curve-Fitting. PLoS ONE, 2015, 10, e0116637.	1.1	20
90	Mechanistic insights into ectodomain shedding: susceptibility of CADM1 adhesion molecule is determined by alternative splicing and O-glycosylation. Scientific Reports, 2017, 7, 46174.	1.6	19

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91	Decreased expression of CADM1 and CADM4 are associated with advanced stage breast cancer. Oncology Letters, 2017, 15, 2401-2406.	0.8	19
92	Comparison of effects of UGT1A1*6 and UGT1A1*28 on irinotecan-induced adverse reactions in the Japanese population: analysis of the Biobank Japan Project. Journal of Human Genetics, 2019, 64, 1195-1202.	1.1	19
93	EXOSC9 depletion attenuates P-body formation, stress resistance, and tumorigenicity of cancer cells. Scientific Reports, 2020, 10, 9275.	1.6	18
94	Establishment of highly metastatic KRAS mutant lung cancer cell sublines in long-term three-dimensional low attachment cultures. PLoS ONE, 2017, 12, e0181342.	1.1	17
95	Mint3 depletion restricts tumor malignancy of pancreatic cancer cells by decreasing SKP2 expression via HIF-1. Oncogene, 2020, 39, 6218-6230.	2.6	16
96	Mint3/Apba3 depletion ameliorates severe murine influenza pneumonia and macrophage cytokine production in response to the influenza virus. Scientific Reports, 2016, 6, 37815.	1.6	15
97	Involvement of the SgIGSF/Necl-2 adhesion molecule in degranulation of mesenteric mast cells. Journal of Neuroimmunology, 2007, 184, 209-213.	1.1	14
98	CADM 1 associates with Hippo pathway core kinases; membranous coâ€“expression of CADM 1 and LATS 2 in lung tumors predicts good prognosis. Cancer Science, 2019, 110, 2284-2295.	1.7	14
99	Functional variants in ADH1B and ALDH2 are non-additively associated with all-cause mortality in Japanese population. European Journal of Human Genetics, 2020, 28, 378-382.	1.4	14
100	HLAâ€B*51:01 and CYP2C9*3 Are Risk Factors for Phenytoinâ€Induced Eruption in the Japanese Population: Analysis of Data From the Biobank Japan Project. Clinical Pharmacology and Therapeutics, 2020, 107, 1170-1178.	2.3	13
101	Usefulness of circulating tumor DNA by targeting human papilloma virus-derived sequences as a biomarker in p16-positive oropharyngeal cancer. Scientific Reports, 2022, 12, 572.	1.6	13
102	Transcriptional regulation of the CADM1 gene by retinoic acid during the neural differentiation of murine embryonal carcinoma P19 cells. Genes To Cells, 2011, 16, 791-802.	0.5	12
103	Mathematical analysis of gefitinib resistance of lung adenocarcinoma caused by MET amplification. Biochemical and Biophysical Research Communications, 2019, 511, 544-550.	1.0	11
104	Mint3 in bone marrow-derived cells promotes lung metastasis in breast cancer model mice. Biochemical and Biophysical Research Communications, 2017, 490, 688-692.	1.0	10
105	Reciprocal expression of trefoil factorâ€1 and thyroid transcription factorâ€1 in lung adenocarcinomas. Cancer Science, 2020, 111, 2183-2195.	1.7	10
106	Identification of two novel breast cancer loci through large-scale genome-wide association study in the Japanese population. Scientific Reports, 2019, 9, 17332.	1.6	9
107	Genome-wide association study (GWAS) of ovarian cancer in Japanese predicted regulatory variants in 22q13.1. PLoS ONE, 2018, 13, e0209096.	1.1	8
108	Quantitative Analysis of Interaction Between CADM1 and Its Binding Cell-Surface Proteins Using Surface Plasmon Resonance Imaging. Frontiers in Cell and Developmental Biology, 2018, 6, 86.	1.8	8

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109	Susceptibility loci and polygenic architecture highlight population specific and common genetic features in inguinal hernias. EBioMedicine, 2021, 70, 103532.	2.7	8
110	Progression of Pulmonary Emphysema and Continued Increase in Ectodomain Shedding of Cell Adhesion Molecule 1 After Cessation of Cigarette Smoke Exposure in Mice. Frontiers in Cell and Developmental Biology, 2018, 6, 52.	1.8	7
111	Fine Mapping of the Major Histocompatibility Complex Region and Association of the HLA-B*52:01 Allele With Cervical Cancer in Japanese Women. JAMA Network Open, 2020, 3, e2023248.	2.8	7
112	Detection of Lung Tumors in Mice Using a 1-Tesla Compact Magnetic Resonance Imaging System. PLoS ONE, 2014, 9, e94945.	1.1	7
113	CADM1 promotes malignant features of small-cell lung cancer by recruiting 4.1R to the plasma membrane. Biochemical and Biophysical Research Communications, 2021, 534, 172-178.	1.0	6
114	Short somatic alterations at the site of copy number variation in breast cancer. Cancer Science, 2021, 112, 444-453.	1.7	6
115	Circulating Tumor DNA Harboring theBRAF^{V600E}Mutation May Predict Poor Outcomes of Primary Papillary Thyroid Cancer Patients. Thyroid, 2021, 31, 1822-1828.	2.4	6
116	Genetic alterations in human pancreatic cancer. Journal of Hepato-Biliary-Pancreatic Surgery, 1997, 4, 283-290.	2.0	5
117	CADM1 suppresses c-Src activation by binding with Cbp on membrane lipid rafts and intervenes colon carcinogenesis. Biochemical and Biophysical Research Communications, 2020, 529, 854-860.	1.0	5
118	Genome-wide association study of colorectal polyps identified highly overlapping polygenic architecture with colorectal cancer. Journal of Human Genetics, 2022, 67, 149-156.	1.1	5
119	Expression profile of CADM1 and CADM4 in triple negative breast cancer with primary systemic therapy. Oncology Letters, 2018, 17, 921-926.	0.8	4
120	Family trees representing the finitely proliferative nature of cultured rat liver cells.. Cell Structure and Function, 1983, 8, 293-301.	0.5	4
121	Pharmacological inhibition of Mint3 attenuates tumour growth, metastasis, and endotoxic shock. Communications Biology, 2021, 4, 1165.	2.0	4
122	Trans â€homophilic interaction of CADM1 promotes organ infiltration of Tâ€cell lymphoma by adhesion to vascular endothelium. Cancer Science, 2022, , .	1.7	4
123	Mathematical modeling and analysis of ErbB3 and EGFR dimerization process for the gefitinib resistance. JSIAM Letters, 2018, 10, 33-36.	0.3	3
124	Highlights of topic â€œEtiology and epidemiology of cholangiocarcinomaâ€. Journal of Hepato-Biliary-Pancreatic Sciences, 2014, 21, 299-300.	1.4	2
125	Mint3 is dispensable for pancreatic and kidney functions in mice. Biochemistry and Biophysics Reports, 2020, 24, 100872.	0.7	2
126	A case of an elderly patient with high-grade colorectal cancer in poor general condition who showed near complete response to chemotherapy and achieved long-term survival. International Journal of Surgery Case Reports, 2019, 58, 186-189.	0.2	1

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127	Preface to topic â€œInternational collaboration to control cholangiocarcinomaâ€• Journal of Hepato-Biliary-Pancreatic Sciences, 2014, 21, 297-298.	1.4	0
128	Highlights of topic â€œBiochemical and molecular pathological aspects of cholangiocarcinomaâ€• Journal of Hepato-Biliary-Pancreatic Sciences, 2014, 21, 359-361.	1.4	0
129	Mathematical Modeling of the Dimerization of EGFR and ErbB3 inÂLung Adenocarcinoma. Springer Proceedings in Mathematics and Statistics, 2021, , 195-202.	0.1	0