

# Tzu-Pin Lu

## List of Publications by Citations

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**Version:** 2024-04-27

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118  
papers

1,541  
citations

18  
h-index

36  
g-index

157  
ext. papers

2,113  
ext. citations

4.8  
avg, IF

4.66  
L-index

#	Paper	IF	Citations
118	miRSystem: an integrated system for characterizing enriched functions and pathways of microRNA targets. <i>PLoS ONE</i> , <b>2012</b> , 7, e42390	3.7	217
117	Identification of a novel biomarker, SEMA5A, for non-small cell lung carcinoma in nonsmoking women. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2010</b> , 19, 2590-7	4	213
116	Altered gut microbiota and inflammatory cytokine responses in patients with Parkinson's disease. <i>Journal of Neuroinflammation</i> , <b>2019</b> , 16, 129	10.1	137
115	Prenatal smoke exposure, DNA methylation, and childhood atopic dermatitis. <i>Clinical and Experimental Allergy</i> , <b>2013</b> , 43, 535-43	4.1	76
114	Long-term changes of gut microbiota, antibiotic resistance, and metabolic parameters after <i>Helicobacter pylori</i> eradication: a multicentre, open-label, randomised trial. <i>Lancet Infectious Diseases, The</i> , <b>2019</b> , 19, 1109-1120	25.5	65
113	ADAM9 promotes lung cancer metastases to brain by a plasminogen activator-based pathway. <i>Cancer Research</i> , <b>2014</b> , 74, 5229-43	10.1	60
112	Integrated analyses of copy number variations and gene expression in lung adenocarcinoma. <i>PLoS ONE</i> , <b>2011</b> , 6, e24829	3.7	55
111	Disease-targeted sequencing of ion channel genes identifies de novo mutations in patients with non-familial Brugada syndrome. <i>Scientific Reports</i> , <b>2014</b> , 4, 6733	4.9	40
110	Identification of gene expression biomarkers for predicting radiation exposure. <i>Scientific Reports</i> , <b>2014</b> , 4, 6293	4.9	31
109	Genomewide copy number analysis of Müllerian adenosarcoma identified chromosomal instability in the aggressive subgroup. <i>Modern Pathology</i> , <b>2016</b> , 29, 1070-82	9.8	23
108	Clinicopathologic Characterization of GREB1-rearranged Uterine Sarcomas With Variable Sex-Cord Differentiation. <i>American Journal of Surgical Pathology</i> , <b>2019</b> , 43, 928-942	6.7	22
107	Prognostic significance of NPM1 mutation-modulated microRNA-mRNA regulation in acute myeloid leukemia. <i>Leukemia</i> , <b>2016</b> , 30, 274-84	10.7	21
106	Disparity in Tumor Immune Microenvironment of Breast Cancer and Prognostic Impact: Asian Versus Western Populations. <i>Oncologist</i> , <b>2020</b> , 25, e16-e23	5.7	21
105	ADAM9 promotes lung cancer progression through vascular remodeling by VEGFA, ANGPT2, and PLAT. <i>Scientific Reports</i> , <b>2017</b> , 7, 15108	4.9	21
104	Down-regulation of NDRG1 promotes migration of cancer cells during reoxygenation. <i>PLoS ONE</i> , <b>2011</b> , 6, e24375	3.7	21
103	Differential network analysis reveals the genome-wide landscape of estrogen receptor modulation in hormonal cancers. <i>Scientific Reports</i> , <b>2016</b> , 6, 23035	4.9	19
102	Utilizing multiple in silico analyses to identify putative causal SCN5A variants in Brugada syndrome. <i>Scientific Reports</i> , <b>2014</b> , 4, 3850	4.9	18

101	Liver Gene Expression Profiles Correlate with Virus Infection and Response to Interferon Therapy in Chronic Hepatitis B Patients. <i>Scientific Reports</i> , <b>2016</b> , 6, 31349	4.9	18
100	Identification of Methylation-Driven, Differentially Expressed STXBP6 as a Novel Biomarker in Lung Adenocarcinoma. <i>Scientific Reports</i> , <b>2017</b> , 7, 42573	4.9	17
99	Tumor-Infiltrating Leukocyte Composition and Prognostic Power in Hepatitis B- and Hepatitis C-Related Hepatocellular Carcinomas. <i>Genes</i> , <b>2019</b> , 10,	4.2	17
98	Predictive biomarkers for treatment selection: statistical considerations. <i>Biomarkers in Medicine</i> , <b>2015</b> , 9, 1121-35	2.3	17
97	Preoperative sarcopenia is associated with poor overall survival in pancreatic cancer patients following pancreaticoduodenectomy. <i>European Radiology</i> , <b>2021</b> , 31, 2472-2481	8	17
96	Identification of regulatory SNPs associated with genetic modifications in lung adenocarcinoma. <i>BMC Research Notes</i> , <b>2015</b> , 8, 92	2.3	15
95	Distinct signaling pathways after higher or lower doses of radiation in three closely related human lymphoblast cell lines. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2010</b> , 76, 212-9	4	15
94	Differential correlation analysis of glioblastoma reveals immune ceRNA interactions predictive of patient survival. <i>BMC Bioinformatics</i> , <b>2017</b> , 18, 132	3.6	13
93	Clinical Relevance of Liver Kinase B1(LKB1) Protein and Gene Expression in Breast Cancer. <i>Scientific Reports</i> , <b>2016</b> , 6, 21374	4.9	13
92	Polymorphisms Are Genetic Markers for Vulnerability to Latent and Active Tuberculosis Infection in Taiwan. <i>Disease Markers</i> , <b>2018</b> , 2018, 4687380	3.2	13
91	A 4-lncRNA scoring system for prognostication of adult myelodysplastic syndromes. <i>Blood Advances</i> , <b>2017</b> , 1, 1505-1516	7.8	12
90	Identification of reproducible gene expression signatures in lung adenocarcinoma. <i>BMC Bioinformatics</i> , <b>2013</b> , 14, 371	3.6	12
89	iGC-an integrated analysis package of gene expression and copy number alteration. <i>BMC Bioinformatics</i> , <b>2017</b> , 18, 35	3.6	11
88	SNP rs10248565 in HDAC9 as a novel genomic aberration biomarker of lung adenocarcinoma in non-smoking women. <i>Journal of Biomedical Science</i> , <b>2014</b> , 21, 24	13.3	11
87	CellExpress: a comprehensive microarray-based cancer cell line and clinical sample gene expression analysis online system. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2018</b> , 2018,	5	11
86	Developing a Prognostic Gene Panel of Epithelial Ovarian Cancer Patients by a Machine Learning Model. <i>Cancers</i> , <b>2019</b> , 11,	6.6	10
85	Identification of genes with consistent methylation levels across different human tissues. <i>Scientific Reports</i> , <b>2014</b> , 4, 4351	4.9	10
84	Comparison of DNA stabilizers and storage conditions on preserving fecal microbiota profiles. <i>Journal of the Formosan Medical Association</i> , <b>2020</b> , 119, 1791-1798	3.2	10

83	An automated microfluidic DNA microarray platform for genetic variant detection in inherited arrhythmic diseases. <i>Analyst, The</i> , <b>2018</b> , 143, 1367-1377	5	10
82	Gene-gene interaction: the curse of dimensionality. <i>Annals of Translational Medicine</i> , <b>2019</b> , 7, 813	3.2	10
81	Epithelioid Trophoblastic Tumor Around an Abdominal Cesarean Scar: A Pathologic and Molecular Genetic Analysis. <i>International Journal of Gynecological Pathology</i> , <b>2017</b> , 36, 562-567	3.2	9
80	Transcriptome Changes in Relation to Manic Episode. <i>Frontiers in Psychiatry</i> , <b>2019</b> , 10, 280	5	9
79	GSTM3 variant is a novel genetic modifier in Brugada syndrome, a disease with risk of sudden cardiac death. <i>EBioMedicine</i> , <b>2020</b> , 57, 102843	8.8	9
78	Genome-wide methylation profiles in coronary artery ectasia. <i>Clinical Science</i> , <b>2017</b> , 131, 583-594	6.5	8
77	anamiR: integrated analysis of MicroRNA and gene expression profiling. <i>BMC Bioinformatics</i> , <b>2019</b> , 20, 239	3.6	8
76	Development of a prediction model for breast cancer based on the national cancer registry in Taiwan. <i>Breast Cancer Research</i> , <b>2019</b> , 21, 92	8.3	8
75	The extracellular SEMA domain attenuates intracellular apoptotic signaling of semaphorin 6A in lung cancer cells. <i>Oncogenesis</i> , <b>2018</b> , 7, 95	6.6	8
74	Cost-sensitive Performance Metric for Comparing Multiple Ordinal Classifiers. <i>Artificial Intelligence Research</i> , <b>2016</b> , 5, 135-143	0.3	7
73	Development of a prediction model for radiosensitivity using the expression values of genes and long non-coding RNAs. <i>Oncotarget</i> , <b>2016</b> , 7, 26739-50	3.3	7
72	Identification of theranostic factors for patients developing metastasis after surgery for early-stage lung adenocarcinoma. <i>Theranostics</i> , <b>2021</b> , 11, 3661-3675	12.1	7
71	Impact of Ancestral Differences and Reassessment of the Classification of Previously Reported Pathogenic Variants in Patients With Brugada Syndrome in the Genomic Era: A SADS-TW BrS Registry. <i>Frontiers in Genetics</i> , <b>2018</b> , 9, 680	4.5	6
70	Whole-genome de novo sequencing reveals unique genes that contributed to the adaptive evolution of the Mikado pheasant. <i>GigaScience</i> , <b>2018</b> , 7,	7.6	6
69	Genetic loci associated with an earlier age at onset in multiplex schizophrenia. <i>Scientific Reports</i> , <b>2017</b> , 7, 6486	4.9	6
68	CDH1, DLEC1 and SFRP5 methylation panel as a prognostic marker for advanced epithelial ovarian cancer. <i>Epigenomics</i> , <b>2018</b> , 10, 1397-1413	4.4	6
67	Clinical-Genomic Models of Node-Positive Breast Cancer: Training, Testing, and Validation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2019</b> , 105, 637-648	4	5
66	Hypoxia-Induced Promotes the Proliferation and Migration of Breast Cancer Cells by Sponging. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 658151	5.3	5

65	Population-Based Cohort Study Reveals Distinct Associations Between Female Lung Cancer and Breast Cancer in Taiwan. <i>JCO Clinical Cancer Informatics</i> , <b>2018</b> , 2, 1-14	5.2	5
64	An evaluation of the 25 by 25 goal for premature cardiovascular disease mortality in Taiwan: an age-period-cohort analysis, population attributable fraction and national population-based study. <i>Heart Asia</i> , <b>2017</b> , 9, e010905	1.9	4
63	Validation and Disease Risk Assessment of Previously Reported Genome-Wide Genetic Variants Associated With Brugada Syndrome: SADS-TW BrS Registry. <i>Circulation Genomic and Precision Medicine</i> , <b>2020</b> , 13, e002797	5.2	4
62	A new clinical-genomic model to predict 10-year recurrence risk in primary operable breast cancer patients. <i>Scientific Reports</i> , <b>2020</b> , 10, 4861	4.9	4
61	Comparisons and performance evaluations of RNA-seq alignment tools <b>2014</b> ,		4
60	Putative effectors for prognosis in lung adenocarcinoma are ethnic and gender specific. <i>Oncotarget</i> , <b>2015</b> , 6, 19483-99	3.3	4
59	Regulatory Mechanisms and Functional Roles of Hypoxia-Induced Long Non-Coding RNA in Breast Cancer Cells. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 663114	5.3	4
58	Nonintubated Versus Intubated Uniportal Thoracoscopic Segmentectomy for Lung Tumors. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, 1182-1189	2.7	4
57	EasyMAP: A user-friendly online platform for analyzing 16S ribosomal DNA sequencing data. <i>New Biotechnology</i> , <b>2021</b> , 63, 37-44	6.4	4
56	Gene-set Analysis with CGI Information for Differential DNA Methylation Profiling. <i>Scientific Reports</i> , <b>2016</b> , 6, 24666	4.9	3
55	VariED: the first integrated database of gene annotation and expression profiles for variants related to human diseases. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2019</b> , 2019,	5	3
54	Subgroup identification for treatment selection in biomarker adaptive design. <i>BMC Medical Research Methodology</i> , <b>2015</b> , 15, 105	4.7	3
53	Thoracoscopic Lobectomy Versus Sublobar Resection for pStage I Geriatric Non-Small Cell Lung Cancer.. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 777590	5.3	3
52	RNASeqR: An R Package for Automated Two-Group RNA-Seq Analysis Workflow. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , 18, 2023-2031	3	3
51	Rare variants discovery by extensive whole-genome sequencing of the Han Chinese population in Taiwan: Applications to cardiovascular medicine. <i>Journal of Advanced Research</i> , <b>2021</b> , 30, 147-158	13	3
50	Development of a Gene-Based Prediction Model for Recurrence of Colorectal Cancer Using an Ensemble Learning Algorithm. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 631056	5.3	3
49	Establishment of a New Ovarian Cancer Cell Line CA5171. <i>Reproductive Sciences</i> , <b>2015</b> , 22, 725-34	3	2
48	Identification of drug-induced toxicity biomarkers for treatment determination. <i>Pharmaceutical Statistics</i> , <b>2015</b> , 14, 284-93	1	2

47	Distinct Survival Outcomes in Subgroups of Stage III Pancreatic Cancer Patients: Taiwan Cancer Registry and Surveillance, Epidemiology and End Results registry. <i>Annals of Surgical Oncology</i> , <b>2021</b> , 1	3.1	2
46	Long-term outcomes and left ventricular diastolic function of sarcomere mutation-positive and mutation-negative patients with hypertrophic cardiomyopathy: a prospective cohort study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2020</b> ,	4.1	2
45	First-time offenders for recreational ketamine use under a new penalty system in Taiwan: incidence, recidivism and mortality in national cohorts from 2009 to 2017. <i>Addiction</i> , <b>2021</b> , 116, 1770-1781	4.6	2
44	CNVIntegrate: the first multi-ethnic database for identifying copy number variations associated with cancer. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2021</b> , 2021,	5	2
43	Gene-Set Integrative Analysis of Multi-Omics Data Using Tensor-based Association Test. <i>Bioinformatics</i> , <b>2021</b> ,	7.2	2
42	Probabilistic prioritization of candidate pathway association with pathway score. <i>BMC Bioinformatics</i> , <b>2018</b> , 19, 391	3.6	2
41	Primary Tumor Resection for Stage IV Non-small-cell Lung Cancer Without Progression After First-Line Epidermal Growth Factor Receptor-Tyrosine Kinase Inhibitor Treatment: A Retrospective Case-Control Study.. <i>Annals of Surgical Oncology</i> , <b>2022</b> , 1	3.1	2
40	Association test using Copy Number Profile Curves (CONCUR) enhances power in rare copy number variant analysis. <i>PLoS Computational Biology</i> , <b>2020</b> , 16, e1007797	5	1
39	A composite model for subgroup identification and prediction via bicluster analysis. <i>PLoS ONE</i> , <b>2014</b> , 9, e111318	3.7	1
38	ASO Author Reflections: Identification of Prognostic Factors for Stage-III Pancreatic Ductal Adenocarcinoma patients. <i>Annals of Surgical Oncology</i> , <b>2021</b> , 1	3.1	1
37	Novel Tumor-Specific Antigens for Immunotherapy Identified From Multi-omics Profiling in Thymic Carcinomas. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 748820	8.4	1
36	The impact of Taiwan's implementation of a nationwide harm reduction program in 2006 on the use of various illicit drugs: trend analysis of first-time offenders from 2001 to 2017. <i>Harm Reduction Journal</i> , <b>2021</b> , 18, 117	4.6	1
35	Develop and Apply Electrocardiography-Based Risk Score to Identify Community-Based Elderly Individuals at High-Risk of Mortality. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 738061	5.4	1
34	Statin-induced microRNAome alterations modulating inflammation pathways of peripheral blood mononuclear cells in patients with hypercholesterolemia. <i>Bioscience Reports</i> , <b>2020</b> , 40,	4.1	1
33	Evolutionary Trajectories and Genomic Divergence in Localized Breast Cancers after Ipsilateral Breast Tumor Recurrence. <i>Cancers</i> , <b>2021</b> , 13,	6.6	1
32	Targeted Sequencing of Taiwanese Breast Cancer with Risk Stratification by the Concurrent Genes Signature: A Feasibility Study. <i>Journal of Personalized Medicine</i> , <b>2021</b> , 11,	3.6	1
31	Thoracoscopic Wedge Resection Versus Segmentectomy for cT1N0 Lung Adenocarcinoma. <i>Annals of Surgical Oncology</i> , <b>2021</b> , 28, 8398-8411	3.1	1
30	A risk prediction model of gene signatures in ovarian cancer through bagging of GA-XGBoost models. <i>Journal of Advanced Research</i> , <b>2021</b> , 30, 113-122	13	1

29	Translating Gene Signatures Into a Pathologic Feature: Tumor Necrosis Predicts Disease Relapse in Operable and Stage I Lung Adenocarcinoma.. <i>JCO Precision Oncology</i> , <b>2018</b> , 2, 1-13	3.6	1
28	High prevalence of APOA1/C3/A4/A5 alterations in luminal breast cancers among young women in East Asia. <i>Npj Breast Cancer</i> , <b>2021</b> , 7, 88	7.8	1
27	Predicting Colon Cancer-Specific Survival for the Asian Population Using National Cancer Registry Data from Taiwan. <i>Annals of Surgical Oncology</i> , <b>2021</b> , 1	3.1	1
26	Incidence of chronic thromboembolic pulmonary hypertension in Taiwan. <i>Journal of the Formosan Medical Association</i> , <b>2021</b> , 120, 1740-1748	3.2	1
25	MiDSysystem: A comprehensive online system for de novo assembly and analysis of microbial genomes. <i>New Biotechnology</i> , <b>2021</b> , 65, 42-52	6.4	1
24	Residual risk stratification of Taiwanese breast cancers following curative therapies with the extended concurrent genes signature. <i>Breast Cancer Research and Treatment</i> , <b>2021</b> , 186, 475-485	4.4	1
23	Uremic Toxin-Producing Species Prevail in the Gut Microbiota of Taiwanese CKD Patients: An Analysis Using the New Taiwan Microbiome Baseline.. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2022</b> , 12, 726256	5.9	1
22	Using proteomic profiling to characterize protein signatures of different thymoma subtypes. <i>BMC Cancer</i> , <b>2019</b> , 19, 796	4.8	0
21	Lidocaine and Bupivacaine Downregulate MYB and lncRNA by Upregulating in MCF-7 Cells.. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 732817	4.9	0
20	Elucidation of a Causal Relationship Between Platelet Count and Hypertension: A Bi-Directional Mendelian Randomization Study.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 743075	5.4	0
19	Prognostic value of a new clinical-genomic model to predict 10-year risk of recurrence in patients with operable breast cancer.. <i>Journal of Clinical Oncology</i> , <b>2019</b> , 37, 530-530	2.2	0
18	Recurrence risk stratification by Dutch clinical risk criteria for early-stage luminal breast cancer patients in Taiwan: A population-based analysis.. <i>Journal of Clinical Oncology</i> , <b>2020</b> , 38, e12509-e12509	2.2	0
17	SEAGLE: A Scalable Exact Algorithm for Large-Scale Set-Based Gene-Environment Interaction Tests in Biobank Data. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 710055	4.5	0
16	Development of a semi-structured, multifaceted, computer-aided questionnaire for outbreak investigation: e-Outbreak Platform. <i>Biomedical Journal</i> , <b>2020</b> , 43, 318-324	7.1	0
15	Transcript annotation tool (TransAT): an R package for retrieving annotations for transcript-specific genetic variants. <i>BMC Bioinformatics</i> , <b>2021</b> , 22, 350	3.6	0
14	Loss of SFRP1 expression is a key progression event in gastrointestinal stromal tumor pathogenesis. <i>Human Pathology</i> , <b>2021</b> , 107, 69-79	3.7	0
13	An Integrative Co-localization (INCO) Analysis for SNV and CNV Genomic Features With an Application to Taiwan Biobank Data. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 709555	4.5	0
12	Differential whole-genome doubling and homologous recombination deficiencies across breast cancer subtypes from the Taiwanese population. <i>Communications Biology</i> , <b>2021</b> , 4, 1052	6.7	0

11	Non-Intubated Versus Intubated Video-Assisted Thoracic Surgery in Patients Aged 75 Years and Older: A Propensity Matching Study.. <i>Frontiers in Surgery</i> , <b>2022</b> , 9, 880007	2.3	0
10	Biomarkers of susceptibility <b>2014</b> , 975-982		
9	Concurrent analysis of copy number variation and gene expression: application in paired non-smoking female lung cancer patients. <i>International Journal of Data Mining and Bioinformatics</i> , <b>2013</b> , 8, 92-104	0.5	
8	ASO Visual Abstract: Distinct Survival Outcomes for Subgroups of Stage 3 Pancreatic Cancer Patients: Taiwan Cancer Registry and Surveillance, Epidemiology, and End Results Registry.. <i>Annals of Surgical Oncology</i> , <b>2022</b> , 1	3.1	
7	A 6-Lncrna Scoring System for Prognostication of Adult Myelodysplastic Syndromes. <i>Blood</i> , <b>2016</b> , 128, 4344-4344	2.2	
6	ASO Visual Abstract: Thoracoscopic Wedge Resection Versus Segmentectomy for cT1N0 Lung Adenocarcinoma. <i>Annals of Surgical Oncology</i> , <b>2021</b> , 28, 488-489	3.1	
5	Risk evaluation of early-stage hormone receptor-positive and human epidermal growth factor receptor 2-negative breast cancer patients: a population-based study from Taiwan. <i>Breast Cancer Research and Treatment</i> , <b>2021</b> , 189, 807-815	4.4	
4	ASO Visual Abstract: Predicting Colon Cancer-Specific Survival for the Asian Population Using National Cancer Registry Data from Taiwan. <i>Annals of Surgical Oncology</i> , <b>2021</b> , 28, 649	3.1	
3	ASO Author Reflections: Robust Prediction Models for Colon Cancer in Asian Patients. <i>Annals of Surgical Oncology</i> , <b>2021</b> , 1	3.1	
2	Pulmonary "Inflammatory Leiomyosarcomas" Are Indolent Tumors With Diploid Genomes and No Convincing Rhabdomyoblastic Differentiation.. <i>American Journal of Surgical Pathology</i> , <b>2022</b> , 46, 424-433	6.7	
1	Fungal Spore Richness in School Classrooms is Related to Surrounding Forest in a Season-Dependent Manner. <i>Microbial Ecology</i> , <b>2021</b> , 1	4.4	