

# Kuo-Wang Tsai

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,368  
citations

172457

29  
h-index

233421

45  
g-index

81  
all docs

81  
docs citations

81  
times ranked

3761  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Epigenetic regulation of miR-34b and miR-129 expression in gastric cancer. <i>International Journal of Cancer</i> , 2011, 129, 2600-2610.  | 5.1  | 174       |
| 2  | Advances in molecular biomarkers for gastric cancer: miRNAs as emerging novel cancer markers. <i>Expert Reviews in Molecular Medicine</i> , 2014, 16, e1.  | 3.9  | 153       |
| 3  | miRNA arm selection and isomiR distribution in gastric cancer. <i>BMC Genomics</i> , 2012, 13, S13.  | 2.8  | 125       |
| 4  | Aberrant hypermethylation of miR-9 genes in gastric cancer. <i>Epigenetics</i> , 2011, 6, 1189-1197.   | 2.7  | 112       |
| 5  | The effects of storage temperature and duration of blood samples on DNA and RNA qualities. <i>PLoS ONE</i> , 2017, 12, e0184692.   | 2.5  | 83        |
| 6  | Linc00659, a long noncoding RNA, acts as novel oncogene in regulating cancer cell growth in colorectal cancer. <i>Molecular Cancer</i> , 2018, 17, 72.   | 19.2 | 78        |
| 7  | ATG4B promotes colorectal cancer growth independent of autophagic flux. <i>Autophagy</i> , 2014, 10, 1454-1465.  | 9.1  | 71        |
| 8  | Aberrant expression of miR-196a in gastric cancers and correlation with recurrence. <i>Genes Chromosomes and Cancer</i> , 2012, 51, 394-401.   | 2.8  | 69        |
| 9  | Arm Selection Preference of MicroRNA-193a Varies in Breast Cancer. <i>Scientific Reports</i> , 2016, 6, 28176.   | 3.3  | 67        |
| 10 | <i>Helicobacter pylori</i> eradication with bismuth quadruple therapy leads to dysbiosis of gut microbiota with an increased relative abundance of Proteobacteria and decreased relative abundances of Bacteroidetes and Actinobacteria. <i>Helicobacter</i> , 2018, 23, e12498. | 3.5  | 66        |
| 11 | MicroRNA-324 in Human Cancer: miR-324-5p and miR-324-3p Have Distinct Biological Functions in Human Cancer. <i>Anticancer Research</i> , 2016, 36, 5189-5196.  | 1.1  | 60        |
| 12 | Aberrant DNA hypermethylation-silenced SOX21-AS1 gene expression and its clinical importance in oral cancer. <i>Clinical Epigenetics</i> , 2016, 8, 129.   | 4.1  | 59        |
| 13 | Dysregulation of cystathionine $\beta$ -lyase promotes prostate cancer progression and metastasis. <i>EMBO Reports</i> , 2019, 20, e45986.   | 4.5  | 59        |
| 14 | Reduction of global 5-hydroxymethylcytosine is a poor prognostic factor in breast cancer patients, especially for an ER/PR-negative subtype. <i>Breast Cancer Research and Treatment</i> , 2015, 153, 219-234.   | 2.5  | 51        |
| 15 | Metformin Treatment Suppresses Melanoma Cell Growth and Motility Through Modulation of microRNA Expression. <i>Cancers</i> , 2019, 11, 209.  | 3.7  | 50        |
| 16 | Aberrant DNA hypomethylation of miR-196b contributes to migration and invasion of oral cancer. <i>Oncology Letters</i> , 2016, 11, 4013-4021.  | 1.8  | 41        |
| 17 | MiR-193a-5p and -3p Play a Distinct Role in Gastric Cancer: miR-193a-3p Suppresses Gastric Cancer Cell Growth by Targeting ETS1 and CCND1. <i>Anticancer Research</i> , 2018, 38, 3309-3318.   | 1.1  | 41        |
| 18 | Extracellular Matrix-receptor Interaction Signaling Genes Associated with Inferior Breast Cancer Survival. <i>Anticancer Research</i> , 2018, 38, 4593-4605.   | 1.1  | 40        |

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|----|--|-----|-----------|
| 19 | Short-term and long-term impacts of <i>Helicobacter pylori</i> eradication with reverse hybrid therapy on the gut microbiota. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2019, 34, 1968-1976.   | 2.8 | 39        |
| 20 | Comprehensive analysis of microRNAs in breast cancer. <i>BMC Genomics</i> , 2012, 13, S18.   | 2.8 | 38        |
| 21 | MicroRNA expression profiles in human breast cancer cells after multifraction and single-dose radiation treatment. <i>Oncology Reports</i> , 2014, 31, 2147-2156.  | 2.6 | 37        |
| 22 | Next-generation Sequencing for microRNA Profiling: MicroRNA-21-3p Promotes Oral Cancer Metastasis. <i>Anticancer Research</i> , 2017, 37, 1059-1066.   | 1.1 | 37        |
| 23 | Interrogation of rabbit miRNAs and their isomiRs. <i>Genomics</i> , 2011, 98, 453-459.   | 2.9 | 36        |
| 24 | Comprehensive microRNA profiling of prostate cancer cells after ionizing radiation treatment. <i>Oncology Reports</i> , 2014, 31, 1067-1078.   | 2.6 | 33        |
| 25 | Serum miRNA as a possible biomarker in the diagnosis of bipolar II disorder. <i>Scientific Reports</i> , 2020, 10, 1131.   | 3.3 | 33        |
| 26 | Emerging role of microRNAs in modulating endothelin-1 expression in gastric cancer. <i>Oncology Reports</i> , 2015, 33, 485-493.   | 2.6 | 32        |
| 27 | Ten-Day Quadruple Therapy Comprising Proton Pump Inhibitor, Bismuth, Tetracycline, and Levofloxacin is More Effective than Standard Levofloxacin Triple Therapy in the Second-Line Treatment of <i>Helicobacter pylori</i> Infection: A Randomized Controlled Trial. <i>American Journal of Gastroenterology</i> , 2017, 112, 1374-1381. | 0.4 | 32        |
| 28 | Equivalent Efficacies of Reverse Hybrid and Bismuth Quadruple Therapies in Eradication of <i>Helicobacter pylori</i> Infection in a Randomized Controlled Trial. <i>Clinical Gastroenterology and Hepatology</i> , 2018, 16, 1427-1433.  | 4.4 | 32        |
| 29 | Putative Role of Vitamin D for COVID-19 Vaccination. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8988.  | 4.1 | 32        |
| 30 | Isocitrate dehydrogenase 1 $\alpha$ snail axis dysfunction significantly correlates with breast cancer prognosis and regulates cell invasion ability. <i>Breast Cancer Research</i> , 2018, 20, 25.  | 5.0 | 31        |
| 31 | Subsite-specific association of DEAD box RNA helicase DDX60 with the development and prognosis of oral squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 85097-85108.  | 1.8 | 30        |
| 32 | Comprehensive identification of microRNA arm selection preference in lung cancer: miR-324-5p and -3p serve oncogenic functions in lung cancer. <i>Oncology Letters</i> , 2018, 15, 9818-9826.  | 1.8 | 28        |
| 33 | A Randomized Controlled Trial Shows that both 14-Day Hybrid and Bismuth Quadruple Therapies Cure Most Patients with <i>Helicobacter pylori</i> Infection in Populations with Moderate Antibiotic Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .  | 3.2 | 26        |
| 34 | Update on the first-line treatment for <i>Helicobacter pylori</i> infection - a continuing challenge from an old enemy. <i>Biomarker Research</i> , 2017, 5, 23.   | 6.8 | 25        |
| 35 | miRSeq: A User-Friendly Standalone Toolkit for Sequencing Quality Evaluation and miRNA Profiling. <i>BioMed Research International</i> , 2014, 2014, 1-8.  | 1.9 | 23        |
| 36 | Identification of the Novel Role of CD24 as an Oncogenesis Regulator and Therapeutic Target for Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 147-161.   | 4.1 | 23        |

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|----|--|-----|-----------|
| 37 | Genetic variants in microRNA-146a (C > G) and microRNA-1269b (G > C) are associated with the decreased risk of oral premalignant lesions, oral cancer, and pharyngeal cancer. <i>Archives of Oral Biology</i> , 2016, 72, 21-32.   | 1.8 | 20        |
| 38 | TACCO, a Database Connecting Transcriptome Alterations, Pathway Alterations and Clinical Outcomes in Cancers. <i>Scientific Reports</i> , 2019, 9, 3877.   | 3.3 | 19        |
| 39 | MicroRNA-21: Mechanisms of Oncogenesis and its Application in Diagnosis and Prognosis of Gastric Cancer. <i>Archives of Iranian Medicine</i> , 2015, 18, 524-36.   | 0.6 | 18        |
| 40 | Global <sc>DNA</sc> hypomethylation is associated with the development and poor prognosis of tongue squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2016, 45, 409-417.                                    | 2.7 | 17        |
| 41 | Equivalent efficacies of reverse hybrid and concomitant therapies in first-line treatment of <sc> <i>Helicobacter pylori</i> </sc> infection. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020, 35, 1731-1737. | 2.8 | 17        |
| 42 | Circulating miRNAs Act as Diagnostic Biomarkers for Bladder Cancer in Urine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4278.  | 4.1 | 17        |
| 43 | S100A6 Promotes B Lymphocyte Penetration Through the Blood-Brain Barrier in Autoimmune Encephalitis. <i>Frontiers in Genetics</i> , 2019, 10, 1188.  | 2.3 | 16        |
| 44 | Metformin inhibits gastric cancer cell proliferation by regulation of a novel Loc100506691-CHAC1 axis. <i>Molecular Therapy - Oncolytics</i> , 2021, 22, 180-194.  | 4.4 | 16        |
| 45 | Ten-eleven translocation 1 dysfunction reduces 5-hydroxymethylcytosine expression levels in gastric cancer cells. <i>Oncology Letters</i> , 2018, 15, 278-284.   | 1.8 | 15        |
| 46 | The Long Noncoding RNA LOC441461 (STX17-AS1) Modulates Colorectal Cancer Cell Growth and Motility. <i>Cancers</i> , 2020, 12, 3171.  | 3.7 | 13        |
| 47 | Clinicopathological study of lip cancer: a retrospective hospital-based study in Taiwan. <i>Apmis</i> , 2017, 125, 1007-1016.  | 2.0 | 12        |
| 48 | Which nasopharyngeal cancer patients need adaptive radiotherapy?. <i>BMC Cancer</i> , 2018, 18, 1234.  | 2.6 | 12        |
| 49 | Tight Junction Protein 1 Dysfunction Contributes to Cell Motility in Bladder Cancer. <i>Anticancer Research</i> , 2018, 38, 4607-4615.   | 1.1 | 12        |
| 50 | Serum proteins may facilitate the identification of Kawasaki disease and promote in vitro neutrophil infiltration. <i>Scientific Reports</i> , 2020, 10, 15645.  | 3.3 | 12        |
| 51 | Evaluation and Application of the Strand-Specific Protocol for Next-Generation Sequencing. <i>BioMed Research International</i> , 2015, 2015, 1-8.   | 1.9 | 11        |
| 52 | Aberrant DNA Hypermethylation Silenced LncRNA Expression in Gastric Cancer. <i>Anticancer Research</i> , 2019, 39, 5381-5391.  | 1.1 | 10        |
| 53 | Reverse hybrid therapy achieves a similar eradication rate as standard hybrid therapy for <i>Helicobacter pylori</i> infection. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 233-237.                             | 1.4 | 10        |
| 54 | The Framework for Human Host Immune Responses to Four Types of Parasitic Infections and Relevant Key JAK/STAT Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13310.                                     | 4.1 | 10        |

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|----|---|-----|-----------|
| 55 | Co-modulated behavior and effects of differentially expressed miRNA in colorectal cancer. BMC Genomics, 2013, 14, S12.  | 2.8 | 9         |
| 56 | MiR-182-5p enhances in vitro neutrophil infiltration in Kawasaki disease. Molecular Genetics & Genomic Medicine, 2019, 7, e990.   | 1.2 | 9         |
| 57 | Peripheral BDNF correlated with miRNA in BD-II patients. Journal of Psychiatric Research, 2021, 136, 184-189.   | 3.1 | 9         |
| 58 | The influence of disease-modifying anti-rheumatic drugs and corticosteroids on the association between rheumatoid arthritis and skin cancer: a nationwide retrospective case-control study in Taiwan. Clinical and Experimental Rheumatology, 2018, 36, 471-478.                                    | 0.8 | 9         |
| 59 | Involvement of MicroRNA-1-FAM83A Axis Dysfunction in the Growth and Motility of Lung Cancer Cells. International Journal of Molecular Sciences, 2020, 21, 8833.   | 4.1 | 8         |
| 60 | Isocitrate Dehydrogenase 2 Dysfunction Contributes to 5-hydroxymethylcytosine Depletion in Gastric Cancer Cells. Anticancer Research, 2016, 36, 3983-90.  | 1.1 | 8         |
| 61 | UBE2C triggers HIF-1 $\alpha$ glycolytic flux in head and neck squamous cell carcinoma. Journal of Cellular and Molecular Medicine, 2022, 26, 3716-3725.  | 3.6 | 8         |
| 62 | Association of SDF-1 and CXCR4 Polymorphisms With Susceptibility to Oral and Pharyngeal Squamous Cell Carcinoma. Anticancer Research, 2019, 39, 2891-2902.  | 1.1 | 7         |
| 63 | Low C6orf141 Expression is Significantly Associated with a Poor Prognosis in Patients with Oral Cancer. Scientific Reports, 2019, 9, 4520.  | 3.3 | 7         |
| 64 | Identification of the Novel Oncogenic Role of SAAL1 and Its Therapeutic Potential in Hepatocellular Carcinoma. Cancers, 2020, 12, 1843.   | 3.7 | 7         |
| 65 | Involvement of the MicroRNA-1-LITAF Axis in Gastric Cancer Cell Growth and Invasion. Anticancer Research, 2020, 40, 6247-6256.  | 1.1 | 6         |
| 66 | Histamine-2 Receptor Antagonist Cannot Prevent Recurrent Peptic Ulcers in Patients With Atherosclerotic Diseases Who Receive Platelet ADP Receptor Antagonist Monotherapy: A Randomized-Controlled, Double-Blind, and Double-Dummy Trial. American Journal of Gastroenterology, 2017, 112, 282-289. | 0.4 | 5         |
| 67 | microRNA-324 plays an oncogenic role in bladder cancer cell growth and motility. Translational Cancer Research, 2020, 9, 707-716.   | 1.0 | 5         |
| 68 | Identifying Circulating MicroRNA in Kawasaki Disease by Next-Generation Sequencing Approach. Current Issues in Molecular Biology, 2021, 43, 485-500.  | 2.4 | 5         |
| 69 | LOC550643, a Long Non-coding RNA, Acts as Novel Oncogene in Regulating Breast Cancer Growth and Metastasis. Frontiers in Cell and Developmental Biology, 2021, 9, 695632.   | 3.7 | 5         |
| 70 | The variant of pri-mir-26a-1 polymorphism is associated with decreased risk of betel quid-related oral premalignant lesions and oral squamous cell carcinoma. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2017, 124, 378-389.e1.  | 0.4 | 4         |
| 71 | Identification of potential plasma protein biomarkers for bipolar II disorder: a preliminary/exploratory study. Scientific Reports, 2021, 11, 9452.   | 3.3 | 4         |
| 72 | High expression of tight junction protein 1 as a predictive biomarker for bladder cancer grade and staging. Scientific Reports, 2022, 12, 1496.   | 3.3 | 4         |

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|----|--|-----|-----------|
| 73 | A Novel Hemoglobin Variant Found on the $\alpha 1$ Chain: Hb KSVGH (HBA1: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (p.Lys572   | 0.8 | 3         |
| 74 | The efficacies of esomeprazole versus pantoprazole based reverse hybrid therapy for <i>Helicobacter pylori</i> eradication. <i>Advances in Digestive Medicine</i> , 2018, 5, 26-32.  | 0.2 | 3         |
| 75 | Prevalence of HIV-1 Integrase Strand Transfer Inhibitor Resistance in Treatment-Naïve Voluntary Counselling and Testing Clients by Population Sequencing and Illumina Next-Generation Sequencing in Taiwan. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 4519-4529. | 2.7 | 3         |
| 76 | Simultaneous Reduction of Volume and Dose in Clinical Target Volume for Nasopharyngeal Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 495-504.   | 0.8 | 3         |
| 77 | Prediction Model for Diagnosis of Kawasaki Disease Using iTRAQ-Based Analysis. <i>Children</i> , 2021, 8, 576.   | 1.5 | 3         |
| 78 | TH1 <sup>2</sup> Immunological Pathway as Protective Immune Response against Prion Diseases: An Insight for Prion Infection Therapy. <i>Viruses</i> , 2022, 14, 408.   | 3.3 | 3         |
| 79 | Long Noncoding RNA LOC550643 Acts as an Oncogene in the Growth Regulation of Colorectal Cancer Cells. <i>Cells</i> , 2022, 11, 1065.   | 4.1 | 3         |
| 80 | Plasma BDNF and Cytokines Correlated with Protein Biomarkers for Bipolar II Disorder. <i>Journal of Personalized Medicine</i> , 2021, 11, 1282.  | 2.5 | 3         |
| 81 | The association between immunoexpression levels of oxidant and antioxidant enzymes and lip squamous cell carcinoma. <i>Apmis</i> , 2018, 126, 403-412.   | 2.0 | 2         |