

# Kuo-Wei Chang

## List of Publications by Year in descending order

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105  
papers

4,747  
citations

71097

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110368

64  
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106  
docs citations

106  
times ranked

5528  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | <i>miR-31</i> Ablates Expression of the HIF Regulatory Factor FIH to Activate the HIF Pathway in Head and Neck Carcinoma. <i>Cancer Research</i> , 2010, 70, 1635-1644.                                       | 0.9 | 303       |
| 2  | Exploiting salivary <i>miR-31</i> as a clinical biomarker of oral squamous cell carcinoma. <i>Head and Neck</i> , 2012, 34, 219-224.  | 2.0 | 196       |
| 3  | <i>miR-24</i> up-regulation in oral carcinoma: Positive association from clinical and in vitro analysis. <i>Oral Oncology</i> , 2010, 46, 204-208.  | 1.5 | 142       |
| 4  | Genome-wide profiling of oral squamous cell carcinoma. <i>Journal of Pathology</i> , 2004, 204, 326-332.  | 4.5 | 141       |
| 5  | MicroRNA-200c attenuates tumour growth and metastasis of presumptive head and neck squamous cell carcinoma stem cells. <i>Journal of Pathology</i> , 2011, 223, 482-495.                                      | 4.5 | 115       |
| 6  | <i>miR-146a</i> Enhances the Oncogenicity of Oral Carcinoma by Concomitant Targeting of the IRAK1, TRAF6 and NUMB Genes. <i>PLoS ONE</i> , 2013, 8, e79926.   | 2.5 | 114       |
| 7  | <i>miR-134</i> induces oncogenicity and metastasis in head and neck carcinoma through targeting <i>WWOX</i> gene. <i>International Journal of Cancer</i> , 2014, 134, 811-821.                                | 5.1 | 110       |
| 8  | MicroRNA-211 Enhances the Oncogenicity of Carcinogen-Induced Oral Carcinoma by Repressing TCF12 and Increasing Antioxidant Activity. <i>Cancer Research</i> , 2016, 76, 4872-4886.                            | 0.9 | 97        |
| 9  | Safrole-like DNA adducts in oral tissue from oral cancer patients with a betel quid chewing history. <i>Carcinogenesis</i> , 1999, 20, 2331-2334.   | 2.8 | 96        |
| 10 | Association between the rs2910164 polymorphism in pre-mir-146a and oral carcinoma progression. <i>Oral Oncology</i> , 2012, 48, 404-408.  | 1.5 | 93        |
| 11 | High prevalence of human papillomavirus infection and possible association with betel quid chewing and smoking in oral epidermoid carcinomas in taiwan. <i>Journal of Medical Virology</i> , 1989, 28, 57-61. | 5.0 | 90        |
| 12 | Areca (betel) nut extract activates mitogen-activated protein kinases and NF- $\kappa$ B in oral keratinocytes. <i>International Journal of Cancer</i> , 2005, 116, 526-535.                                  | 5.1 | 86        |
| 13 | Functional polymorphism in NFKB1 promoter is related to the risks of oral squamous cell carcinoma occurring on older male areca (betel) chewers. <i>Cancer Letters</i> , 2006, 243, 47-54.                    | 7.2 | 82        |
| 14 | <i>miR-31</i> is upregulated in oral premalignant epithelium and contributes to the immortalization of normal oral keratinocytes. <i>Carcinogenesis</i> , 2014, 35, 1162-1171.                                | 2.8 | 82        |
| 15 | Array-comparative genomic hybridization to detect genomewide changes in microdissected primary and metastatic oral squamous cell carcinomas. <i>Molecular Carcinogenesis</i> , 2006, 45, 721-731.             | 2.7 | 81        |
| 16 | Increase of disintegrin metalloprotease 10 (ADAM10) expression in oral squamous cell carcinoma. <i>Cancer Letters</i> , 2007, 245, 33-43.   | 7.2 | 81        |
| 17 | Ripe areca nut extract induces G1 phase arrests and senescence-associated phenotypes in normal human oral keratinocyte. <i>Carcinogenesis</i> , 2006, 27, 1273-1284.  | 2.8 | 79        |
| 18 | <i>miR-211</i> promotes the progression of head and neck carcinomas by targeting TGF $\beta$ 2RII. <i>Cancer Letters</i> , 2013, 337, 115-124.  | 7.2 | 79        |

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|----|--|-----|-----------|
| 19 | MicroRNA aberrances in head and neck cancer. <i>Current Opinion in Otolaryngology and Head and Neck Surgery</i> , 2013, 21, 104-111.   | 1.8 | 77        |
| 20 | MicroRNA-31 upregulation predicts increased risk of progression of oral potentially malignant disorder. <i>Oral Oncology</i> , 2016, 53, 42-47.  | 1.5 | 75        |
| 21 | miR-125b suppresses oral oncogenicity by targeting the anti-oxidative gene PRXL2A. <i>Redox Biology</i> , 2019, 22, 101140.  | 9.0 | 75        |
| 22 | Areca nut extract induced oxidative stress and upregulated hypoxia inducing factor leading to autophagy in oral cancer cells. <i>Autophagy</i> , 2010, 6, 725-737.                                     | 9.1 | 73        |
| 23 | MicroRNA miR-31 targets SIRT3 to disrupt mitochondrial activity and increase oxidative stress in oral carcinoma. <i>Cancer Letters</i> , 2019, 456, 40-48.   | 7.2 | 65        |
| 24 | Increased expression of amyloid precursor protein in oral squamous cell carcinoma. <i>International Journal of Cancer</i> , 2004, 111, 727-732.  | 5.1 | 62        |
| 25 | Association of Expression Aberrances and Genetic Polymorphisms of <i>Lysyl Oxidase</i> with Areca-Associated Oral Tumorigenesis. <i>Clinical Cancer Research</i> , 2007, 13, 4378-4385.                | 7.0 | 62        |
| 26 | miR-134 targets PDCD7 to reduce E-cadherin expression and enhance oral cancer progression. <i>International Journal of Cancer</i> , 2018, 143, 2892-2904.  | 5.1 | 58        |
| 27 | Chromosomal changes in betel-associated oral squamous cell carcinomas and their relationship to clinical parameters. <i>Oral Oncology</i> , 2002, 38, 266-273.   | 1.5 | 56        |
| 28 | Passenger strand miRNA miR-31— regulates the phenotypes of oral cancer cells by targeting RhoA. <i>Oral Oncology</i> , 2013, 49, 27-33.  | 1.5 | 56        |
| 29 | Increased Plasma Circulating Cell-Free DNA Could Be a Potential Marker for Oral Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3303.   | 4.1 | 56        |
| 30 | Association of epidermal growth factor receptor (EGFR) gene copy number amplification with neck lymph node metastasis in areca-associated oral carcinomas. <i>Oral Oncology</i> , 2008, 44, 270-276.   | 1.5 | 55        |
| 31 | Detection and Screening of Oral Cancer and Pre-cancerous Lesions. <i>Journal of the Chinese Medical Association</i> , 2009, 72, 227-233.   | 1.4 | 55        |
| 32 | IFIT1 and IFIT3 promote oral squamous cell carcinoma metastasis and contribute to the anti-tumor effect of gefitinib via enhancing p-EGFR recycling. <i>Oncogene</i> , 2019, 38, 3232-3247.            | 5.9 | 55        |
| 33 | FAT1 somatic mutations in head and neck carcinoma are associated with tumor progression and survival. <i>Carcinogenesis</i> , 2018, 39, 1320-1330.   | 2.8 | 54        |
| 34 | The biphasic differential expression of the cellular membrane protein, caveolin-1, in oral carcinogenesis. <i>Journal of Oral Pathology and Medicine</i> , 2003, 32, 461-467.                          | 2.7 | 52        |
| 35 | The Association between Genetic Polymorphism and the Processing Efficiency of miR-149 Affects the Prognosis of Patients with Head and Neck Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2012, 7, e51606. | 2.5 | 51        |
| 36 | Upregulation of miR-372 and miR-373 associates with lymph node metastasis and poor prognosis of oral carcinomas. <i>Laryngoscope</i> , 2015, 125, E365-70.   | 2.0 | 50        |

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|----|--|-----|-----------|
| 37 | EGF Up-Regulates miR-31 through the C/EBP $\beta$ Signal Cascade in Oral Carcinoma. PLoS ONE, 2014, 9, e108049.  | 2.5 | 50        |
| 38 | miR-372 inhibits p62 in head and neck squamous cell carcinoma <i>in vitro</i> and <i>in vivo</i> . Oncotarget, 2015, 6, 6062-6075.   | 1.8 | 50        |
| 39 | Evaluation Physical Characteristics and Comparison Antimicrobial and Anti-Inflammation Potentials of Dental Root Canal Sealers Containing Hinokitiol <i>In Vitro</i> . PLoS ONE, 2014, 9, e94941.                        | 2.5 | 48        |
| 40 | Curcumin upregulates insulin-like growth factor binding protein-5 (IGFBP-5) and C/EBP $\beta$ during oral cancer suppression. International Journal of Cancer, 2010, 127, 9-20.  | 5.1 | 46        |
| 41 | Impact of Diabetes Mellitus on the Prognosis of Patients with Oral Squamous Cell Carcinoma: A Retrospective Cohort Study. Annals of Surgical Oncology, 2010, 17, 2175-2183.  | 1.5 | 44        |
| 42 | miR-31 targets ARID1A and enhances the oncogenicity and stemness of head and neck squamous cell carcinoma. Oncotarget, 2016, 7, 57254-57267.   | 1.8 | 42        |
| 43 | Elevated expression of cyclooxygenase (COX)-2 in oral squamous cell carcinoma - evidence for COX-2 induction by areca quid ingredients in oral keratinocytes. Journal of Oral Pathology and Medicine, 2003, 32, 522-529. | 2.7 | 40        |
| 44 | Regulation of IGFBP-5 expression during tumorigenesis and differentiation of oral keratinocytes. Journal of Pathology, 2002, 198, 317-325.   | 4.5 | 39        |
| 45 | The increase of voltage-gated potassium channel Kv3.4 mRNA expression in oral squamous cell carcinoma. Journal of Oral Pathology and Medicine, 2003, 32, 606-611.  | 2.7 | 38        |
| 46 | Alterations of p16/MTS1 gene in oral squamous cell carcinomas from Taiwanese. Journal of Oral Pathology and Medicine, 2000, 29, 159-166.   | 2.7 | 37        |
| 47 | Expression of phosphorylated Akt in oral carcinogenesis and its induction by nicotine and alkaline stimulation. Journal of Oral Pathology and Medicine, 2009, 38, 206-213.   | 2.7 | 37        |
| 48 | Copy number amplification of 3q26-q27 oncogenes in microdissected oral squamous cell carcinoma and oral brushed samples from areca chewers. Journal of Pathology, 2005, 206, 417-422.                                    | 4.5 | 36        |
| 49 | K14-CGFP-miR-31 transgenic mice have high susceptibility to chemical-induced squamous cell tumorigenesis that is associating with Ku80 repression. International Journal of Cancer, 2015, 136, 1263-1275.                | 5.1 | 36        |
| 50 | MicroRNA-21 promotes perineural invasion and impacts survival in patients with oral carcinoma. Journal of the Chinese Medical Association, 2017, 80, 383-388.  | 1.4 | 36        |
| 51 | Multiple molecular alterations of FHIT in betel-associated oral carcinoma. Journal of Pathology, 2002, 196, 300-306.   | 4.5 | 35        |
| 52 | Telomerase activity and <i>in situ</i> telomerase RNA expression in oral carcinogenesis. Journal of Oral Pathology and Medicine, 1999, 28, 389-396.  | 2.7 | 35        |
| 53 | Up-regulation of miR-187 modulates the advances of oral carcinoma by targeting BARX2 tumor suppressor. Oncotarget, 2016, 7, 61355-61365.   | 1.8 | 35        |
| 54 | p53 alterations in betel quid- and tobacco-associated oral squamous cell carcinomas from Taiwan. Journal of Oral Pathology and Medicine, 1998, 27, 243-248.  | 2.7 | 34        |

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|----|---|-----|-----------|
| 55 | <i>Cyclin D1</i> genotype in areca-associated oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2003, 32, 265-270.  | 2.7 | 33        |
| 56 | The increase of oncogenic miRNA expression in tongue carcinogenesis of a mouse model. <i>Oral Oncology</i> , 2015, 51, 1103-1112.   | 1.5 | 33        |
| 57 | Molecular and cellular cues of diet-associated oral carcinogenesis with an emphasis on areca-nut-induced oral cancer development. <i>Journal of Oral Pathology and Medicine</i> , 2015, 44, 167-177.                              | 2.7 | 33        |
| 58 | Overexpression of Platelet-Derived Growth Factor and Its Receptor Are Correlated with Oral Tumorigenesis and Poor Prognosis in Oral Squamous Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2360. | 4.1 | 31        |
| 59 | Areca nut extract treatment down-regulates involucrin in normal human oral keratinocyte through P13K/AKT activation. <i>Oral Oncology</i> , 2007, 43, 670-679.  | 1.5 | 30        |
| 60 | Association of aberrant p53 and p21 WAF1 immunoreactivity with the outcome of oral verrucous leukoplakia in Taiwan. <i>Journal of Oral Pathology and Medicine</i> , 2000, 29, 56-62.  | 2.7 | 29        |
| 61 | Presurgical serum levels of matrix metalloproteinase-9 and vascular endothelial growth factor in oral squamous cell carcinoma. <i>Oral Oncology</i> , 2009, 45, 920-925.  | 1.5 | 29        |
| 62 | Lysyl oxidase and enhancement of cell proliferation and angiogenesis in oral squamous cell carcinoma. <i>Head and Neck</i> , 2013, 35, 250-256.   | 2.0 | 29        |
| 63 | Detection of copy number amplification of cyclin D1 (CCND1) and cortactin (CTTN) in oral carcinoma and oral brushed samples from areca chewers. <i>Oral Oncology</i> , 2009, 45, 1032-1036.                                       | 1.5 | 28        |
| 64 | SMAD4 Somatic Mutations in Head and Neck Carcinoma Are Associated With Tumor Progression. <i>Frontiers in Oncology</i> , 2019, 9, 1379.   | 2.8 | 28        |
| 65 | Association between lysyl oxidase polymorphisms and oral submucous fibrosis in older male areca chewers. <i>Journal of Oral Pathology and Medicine</i> , 2009, 38, 109-113.   | 2.7 | 26        |
| 66 | Regulatory Role of Hexokinase 2 in Modulating Head and Neck Tumorigenesis. <i>Frontiers in Oncology</i> , 2020, 10, 176.  | 2.8 | 24        |
| 67 | Alterations of Adenomatous Polyposis Coli (APC) gene in oral squamous cell carcinoma. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2000, 29, 223-226.   | 1.5 | 23        |
| 68 | Targeting Cellular Metabolism Modulates Head and Neck Oncogenesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3960.   | 4.1 | 23        |
| 69 | Lipopolysaccharide Induces the Migration of Human Dental Pulp Cells by Up-regulating miR-146a. <i>Journal of Endodontics</i> , 2012, 38, 1598-1603.   | 3.1 | 21        |
| 70 | The miR-372-ZBTB7A Oncogenic Axis Suppresses TRAIL-R2 Associated Drug Sensitivity in Oral Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 47.   | 2.8 | 21        |
| 71 | The molecular markers for prognostic evaluation of areca-associated buccal squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2004, 33, 327-334.  | 2.7 | 20        |
| 72 | Combination of structural and vascular optical coherence tomography for differentiating oral lesions of mice in different carcinogenesis stages. <i>Biomedical Optics Express</i> , 2018, 9, 1461.                                | 2.9 | 20        |

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|----|--|-----|-----------|
| 73 | Establishing of mouse oral carcinoma cell lines derived from transgenic mice and their use as syngeneic tumorigenesis models. <i>BMC Cancer</i> , 2019, 19, 281.   | 2.6 | 20        |
| 74 | Continuing root formation following apexification treatment. <i>Dental Traumatology</i> , 1990, 6, 232-235.  | 2.0 | 19        |
| 75 | Association of GST genotypes with age of onset and lymph node metastasis in oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2005, 34, 473-477.   | 2.7 | 19        |
| 76 | The repressive effect of green tea ingredients on amyloid precursor protein (APP) expression in oral carcinoma cells in vitro and in vivo. <i>Cancer Letters</i> , 2007, 245, 81-89.                                     | 7.2 | 19        |
| 77 | Portland cement induces human periodontal ligament cells to differentiate by upregulating miR-146a. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 308-315.   | 1.7 | 19        |
| 78 | Eicosanoids and HB-EGF/EGFR in cancer. <i>Cancer and Metastasis Reviews</i> , 2018, 37, 385-395.   | 5.9 | 19        |
| 79 | Establishment of syngeneic murine model for oral cancer therapy. <i>Oral Oncology</i> , 2019, 95, 194-201.   | 1.5 | 19        |
| 80 | Nuclear STK15 expression is associated with aggressive behaviour of oral carcinoma cells <i>in vivo</i> and <i>in vitro</i> . <i>Journal of Pathology</i> , 2010, 222, 99-109.   | 4.5 | 17        |
| 81 | Areca nut extract upregulates vimentin by activating PI3K/AKT signaling in oral carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2011, 40, 160-166.  | 2.7 | 17        |
| 82 | Serum decoy receptor 3 level: A predictive marker for nodal metastasis and survival among oral cavity cancer patients. <i>Head and Neck</i> , 2011, 33, 396-402.   | 2.0 | 16        |
| 83 | Activation of the miR-371/372/373 miRNA Cluster Enhances Oncogenicity and Drug Resistance in Oral Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9442.                                  | 4.1 | 16        |
| 84 | Targeting of miR-31/96/182 to the Numb gene during head and neck oncogenesis. <i>Head and Neck</i> , 2018, 40, 808-817.  | 2.0 | 15        |
| 85 | Frequent microsatellite alterations of chromosome locus 4q13.1 in oral squamous cell carcinomas. <i>Journal of Oral Pathology and Medicine</i> , 2005, 34, 209-213.  | 2.7 | 14        |
| 86 | The frequent co-expression of the oncogenes PIK3CA and PAK1 in oral carcinomas. <i>Oral Oncology</i> , 2011, 47, 211-216.  | 1.5 | 13        |
| 87 | The correlation between HIF-1 alpha and VEGF in oral squamous cell carcinomas: Expression patterns and quantitative immunohistochemical analysis. <i>Journal of the Chinese Medical Association</i> , 2018, 81, 370-375. | 1.4 | 13        |
| 88 | Detection of Oral Dysplastic and Early Cancerous Lesions by Polarization-Sensitive Optical Coherence Tomography. <i>Cancers</i> , 2020, 12, 2376.  | 3.7 | 13        |
| 89 | Hinokitiol suppressed pan-histone expression and cell growth in oral squamous cell carcinoma cells. <i>Journal of Functional Foods</i> , 2015, 15, 452-463.  | 3.4 | 11        |
| 90 | Up-regulation of HB-EGF by the COX-2/PGE2 signaling associates with the cisplatin resistance and tumor recurrence of advanced HNSCC. <i>Oral Oncology</i> , 2016, 56, 54-61.   | 1.5 | 11        |

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|-----|--|-----|-----------|
| 91  | MTS1 gene mutations in archival oral squamous cell carcinomas. <i>Journal of Oral Pathology and Medicine</i> , 1996, 25, 541-546.  | 2.7 | 10        |
| 92  | Areca nut extract-treated gingival fibroblasts modulate the invasiveness of polymorphonuclear leukocytes via the production of MMP-2. <i>Journal of Oral Pathology and Medicine</i> , 2009, 38, 79-86.         | 2.7 | 10        |
| 93  | Co-targeting of multiple microRNAs on factor-inhibiting hypoxia-inducible factor gene for the pathogenesis of head and neck carcinomas. <i>Head and Neck</i> , 2016, 38, 522-528.                              | 2.0 | 10        |
| 94  | Establishment of a p53 Null Murine Oral Carcinoma Cell Line and the Identification of Genetic Alterations Associated with This Carcinoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9354. | 4.1 | 10        |
| 95  | Quantification of structural and microvascular changes for diagnosing early-stage oral cancer. <i>Biomedical Optics Express</i> , 2020, 11, 1244.  | 2.9 | 10        |
| 96  | Association between areca-stimulated vimentin expression and the progression of head and neck cancers. <i>Head and Neck</i> , 2012, 34, 245-253.   | 2.0 | 8         |
| 97  | LncRNA MIR31HG Drives Oncogenicity by Inhibiting the Limb-Bud and Heart Development Gene (LBH) during Oral Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8383.                     | 4.1 | 8         |
| 98  | Lysyl oxidase-like 3 mRNA expression indicates poor survival from oral squamous cell carcinoma. <i>Journal of Dental Sciences</i> , 2011, 6, 205-209.  | 2.5 | 7         |
| 99  | Precise Identification of Recurrent Somatic Mutations in Oral Cancer Through Whole-Exome Sequencing Using Multiple Mutation Calling Pipelines. <i>Frontiers in Oncology</i> , 2021, 11, 741626.                | 2.8 | 7         |
| 100 | Exploiting salivary miR-375 as a clinical biomarker of oral potentially malignant disorder. <i>Journal of Dental Sciences</i> , 2022, 17, 659-665.   | 2.5 | 6         |
| 101 | The upregulation of oncogenic miRNAs in swabbed samples obtained from oral premalignant and malignant lesions. <i>Clinical Oral Investigations</i> , 2022, 26, 1343-1351.                                      | 3.0 | 5         |
| 102 | miR-31-NUMB Cascade Modulates Monocarboxylate Transporters to Increase Oncogenicity and Lactate Production of Oral Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11731.      | 4.1 | 5         |
| 103 | Aberrant miR-10b, miR-372, and miR-375 expression in the cytobrush samples from oral potentially malignant disorders. <i>Journal of Dental Sciences</i> , 2022, 17, 688-695.                                   | 2.5 | 4         |
| 104 | Abstract 4000: The increase of oncogenic miRNA expression in tongue carcinogenesis of a mouse model. , 2015, , .   |     | 1         |
| 105 | A digital photograph study evaluating facial taperness and square face perception of Taiwanese females. <i>Journal of the Chinese Medical Association</i> , 2021, 84, 314-319.                                 | 1.4 | 0         |