

Hsueh-Wei Chang

List of Publications by Year in descending order

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Version: 2024-02-01

231
papers

6,469
citations

81839

39
h-index

102432

66
g-index

234
all docs

234
docs citations

234
times ranked

7431
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved binary PSO for feature selection using gene expression data. <i>Computational Biology and Chemistry</i> , 2008, 32, 29-38.	1.1	485
2	Diverse Tumorigenic Pathways in Ovarian Serous Carcinoma. <i>American Journal of Pathology</i> , 2002, 160, 1223-1228.	1.9	320
3	Marine algal natural products with anti-oxidative, anti-inflammatory, and anti-cancer properties. <i>Cancer Cell International</i> , 2013, 13, 55.	1.8	225
4	Oxidative stress-modulating drugs have preferential anticancer effects - involving the regulation of apoptosis, DNA damage, endoplasmic reticulum stress, autophagy, metabolism, and migration. <i>Seminars in Cancer Biology</i> , 2019, 58, 109-117.	4.3	144
5	Assessment of Plasma DNA Levels, Allelic Imbalance, and CA 125 as Diagnostic Tests for Cancer. <i>Journal of the National Cancer Institute</i> , 2002, 94, 1697-1703.	3.0	119
6	Combinational polymorphisms of four DNA repair genes XRCC1, XRCC2, XRCC3, and XRCC4 and their association with oral cancer in Taiwan. <i>Journal of Oral Pathology and Medicine</i> , 2008, 37, 271-277.	1.4	107
7	Drug Repurposing Screening Identifies Tioconazole as an ATG4 Inhibitor that Suppresses Autophagy and Sensitizes Cancer Cells to Chemotherapy. <i>Theranostics</i> , 2018, 8, 830-845.	4.6	106
8	Identification of anti-lung cancer extract from <i>Chlorella vulgaris</i> C-C by antioxidant property using supercritical carbon dioxide extraction. <i>Process Biochemistry</i> , 2010, 45, 1865-1872.	1.8	97
9	Anticancer drugs for the modulation of endoplasmic reticulum stress and oxidative stress. <i>Tumor Biology</i> , 2015, 36, 5743-5752.	0.8	96
10	Golden Berry-Derived 4 β -hydroxywithanolide E for Selectively Killing Oral Cancer Cells by Generating ROS, DNA Damage, and Apoptotic Pathways. <i>PLoS ONE</i> , 2013, 8, e64739.	1.1	94
11	Anti-proliferative effect of methanolic extract of <i>Gracilaria tenuistipitata</i> on oral cancer cells involves apoptosis, DNA damage, and oxidative stress. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 142.	3.7	91
12	4 β -Hydroxywithanolide E from <i>Physalis peruviana</i> (golden berry) inhibits growth of human lung cancer cells through DNA damage, apoptosis and G2/M arrest. <i>BMC Cancer</i> , 2010, 10, 46.	1.1	86
13	Antiproliferation and Induction of Apoptosis in Ca9-22 Oral Cancer Cells by Ethanolic Extract of <i>Gracilaria tenuistipitata</i> . <i>Molecules</i> , 2012, 17, 10916-10927.	1.7	86
14	DNA methylation, histone acetylation and methylation of epigenetic modifications as a therapeutic approach for cancers. <i>Cancer Letters</i> , 2016, 373, 185-192.	3.2	82
15	Isolation and identification of mesenchymal stem cells from human lipoma tissue. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 883-889.	1.0	77
16	Combinational Polymorphisms of Seven CXCL12-Related Genes Are Protective against Breast Cancer in Taiwan. <i>OMICS A Journal of Integrative Biology</i> , 2009, 13, 165-172.	1.0	70
17	Goniothalamin Inhibits Growth of Human Lung Cancer Cells through DNA Damage, Apoptosis, and Reduced Migration Ability. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 4288-4293.	2.4	70
18	Long Noncoding RNAs-Related Diseases, Cancers, and Drugs. <i>Scientific World Journal</i> , The, 2013, 2013, 1-7.	0.8	68

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19	Obtusilactone A and (S)-sesamin induce apoptosis in human lung cancer cells by inhibiting mitochondrial Lon protease and activating DNA damage checkpoints. <i>Cancer Science</i> , 2010, 101, 2612-2620.	1.7	67
20	Withaferin A Induces Oxidative Stress-Mediated Apoptosis and DNA Damage in Oral Cancer Cells. <i>Frontiers in Physiology</i> , 2017, 8, 634.	1.3	67
21	Chemical Composition and Antibacterial Activities of <i>Illicium verum</i> Against Antibiotic-Resistant Pathogens. <i>Journal of Medicinal Food</i> , 2010, 13, 1254-1262.	0.8	66
22	Anti-metastatic activities of <i>Antrodia camphorata</i> against human breast cancer cells mediated through suppression of the MAPK signaling pathway. <i>Food and Chemical Toxicology</i> , 2011, 49, 290-298.	1.8	66
23	Matrix metalloproteinases (MMP) 1 and MMP10 but not MMP12 are potential oral cancer markers. <i>Biomarkers</i> , 2009, 14, 244-249.	0.9	63
24	(S)-Anonaine Induces DNA Damage and Inhibits Growth and Migration of Human Lung Carcinoma H1299 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2284-2290.	2.4	63
25	Antiproliferative effects of goniotalamin on Ca9-22 oral cancer cells through apoptosis, DNA damage and ROS induction. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 747, 253-258.	0.9	60
26	Aqueous Extracts of the Edible <i>Gracilaria tenuistipitata</i> are Protective Against H ₂ O ₂ -Induced DNA Damage, Growth Inhibition, and Cell Cycle Arrest. <i>Molecules</i> , 2012, 17, 7241-7254.	1.7	59
27	Evaluating the performance of fibronectin 1 (FN1), integrin $\alpha 4 \beta 1$ (ITGA4), syndecan-2 (SDC2), and glycoprotein CD44 as the potential biomarkers of oral squamous cell carcinoma (OSCC). <i>Biomarkers</i> , 2013, 18, 63-72.	0.9	56
28	High-throughput avian molecular sexing by SYBR green-based real-time PCR combined with melting curve analysis. <i>BMC Biotechnology</i> , 2008, 8, 12.	1.7	54
29	Fern Plant-Derived Protoapigenone Leads to DNA Damage, Apoptosis, and G ₂ /M Arrest in Lung Cancer Cell Line H1299. <i>DNA and Cell Biology</i> , 2009, 28, 501-506.	0.9	51
30	Flavokawain B inhibits growth of human squamous carcinoma cells: Involvement of apoptosis and cell cycle dysregulation in vitro and in vivo. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 368-378.	1.9	51
31	Evaluation of Breast Cancer Susceptibility Using Improved Genetic Algorithms to Generate Genotype SNP Barcodes. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2013, 10, 361-371.	1.9	50
32	<i>Lactobacillus acidophilus</i> attenuates Salmonella-induced intestinal inflammation via TGF- $\beta 2$ signaling. <i>BMC Microbiology</i> , 2015, 15, 203.	1.3	48
33	Tenuifolide B from <i>Cinnamomum tenuifolium</i> Stem Selectively Inhibits Proliferation of Oral Cancer Cells via Apoptosis, ROS Generation, Mitochondrial Depolarization, and DNA Damage. <i>Toxins</i> , 2016, 8, 319.	1.5	48
34	Sinularin Selectively Kills Breast Cancer Cells Showing G ₂ /M Arrest, Apoptosis, and Oxidative DNA Damage. <i>Molecules</i> , 2018, 23, 849.	1.7	46
35	An Improved PSO Algorithm for Generating Protective SNP Barcodes in Breast Cancer. <i>PLoS ONE</i> , 2012, 7, e37018.	1.1	45
36	Concentration effects of grape seed extracts in anti-oral cancer cells involving differential apoptosis, oxidative stress, and DNA damage. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 94.	3.7	45

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37	Inhibitory effects of <i>Physalis angulata</i> on tumor metastasis and angiogenesis. <i>Journal of Ethnopharmacology</i> , 2011, 135, 762-771.	2.0	44
38	SNP-RFLPing: restriction enzyme mining for SNPs in genomes. <i>BMC Genomics</i> , 2006, 7, 30.	1.2	43
39	TRAIL, Wnt, Sonic Hedgehog, TGF β 2, and miRNA Signalings Are Potential Targets for Oral Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1523.	1.8	43
40	Manoalide Preferentially Provides Antiproliferation of Oral Cancer Cells by Oxidative Stress-Mediated Apoptosis and DNA Damage. <i>Cancers</i> , 2019, 11, 1303.	1.7	40
41	Methanolic Extracts of <i>Solieria robusta</i> Inhibits Proliferation of Oral Cancer Ca9-22 Cells via Apoptosis and Oxidative Stress. <i>Molecules</i> , 2014, 19, 18721-18732.	1.7	39
42	SNP-RFLPing 2: an updated and integrated PCR-RFLP tool for SNP genotyping. <i>BMC Bioinformatics</i> , 2010, 11, 173.	1.2	38
43	Private doctors' practices, knowledge, and attitude to reporting of communicable diseases: a national survey in Taiwan. <i>BMC Infectious Diseases</i> , 2009, 9, 11.	1.3	37
44	A Systematic Gene-Gene and Gene-Environment Interaction Analysis of DNA Repair Genes <i>XRCC1</i> , <i>XRCC2</i> , <i>XRCC3</i> , <i>XRCC4</i> , and Oral Cancer Risk. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 238-247.	1.0	37
45	Function and Sequence Analyses of Tumor Suppressor Gene p53 of CHO.K1 Cells. <i>DNA and Cell Biology</i> , 1999, 18, 315-321.	0.9	35
46	Effects of different denture cleaning methods to remove <i>Candida albicans</i> from acrylic resin denture based material. <i>Journal of Dental Sciences</i> , 2011, 6, 216-220.	1.2	35
47	Brefeldin A Reduces Anchorage-Independent Survival, Cancer Stem Cell Potential and Migration of MDA-MB-231 Human Breast Cancer Cells. <i>Molecules</i> , 2014, 19, 17464-17477.	1.7	35
48	Indoxyl Sulfate-Induced Oxidative Stress, Mitochondrial Dysfunction, and Impaired Biogenesis Are Partly Protected by Vitamin C and N-Acetylcysteine. <i>Scientific World Journal</i> , The, 2015, 2015, 1-6.	0.8	35
49	Computational Analysis of Simulated SNP Interactions Between 26 Growth Factor-Related Genes in a Breast Cancer Association Study. <i>OMICS A Journal of Integrative Biology</i> , 2011, 15, 399-407.	1.0	34
50	Single nucleotide polymorphism barcoding to evaluate oral cancer risk using odds ratio-based genetic algorithms. <i>Kaohsiung Journal of Medical Sciences</i> , 2012, 28, 362-368.	0.8	34
51	Aqueous Extract of <i>Gracilaria tenuistipitata</i> Suppresses LPS-Induced NF- κ B and MAPK Activation in RAW 264.7 and Rat Peritoneal Macrophages and Exerts Hepatoprotective Effects on Carbon Tetrachloride-Treated Rat. <i>PLoS ONE</i> , 2014, 9, e86557.	1.1	34
52	Sequence-Based Polymorphisms in the Mitochondrial D-Loop and Potential SNP Predictors for Chronic Dialysis. <i>PLoS ONE</i> , 2012, 7, e41125.	1.1	34
53	Alternative Splicing for Diseases, Cancers, Drugs, and Databases. <i>Scientific World Journal</i> , The, 2013, 2013, 1-8.	0.8	33
54	Anti-allergic activity of grapeseed extract (GSE) on RBL-2H3 mast cells. <i>Food Chemistry</i> , 2012, 132, 968-974.	4.2	32

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55	Particle swarm optimization algorithm for analyzing SNP-SNP interaction of renin-angiotensin system genes against hypertension. <i>Molecular Biology Reports</i> , 2013, 40, 4227-4233.	1.0	32
56	Reactive Oxygen Species and Autophagy Modulation in Non-Marine Drugs and Marine Drugs. <i>Marine Drugs</i> , 2014, 12, 5408-5424.	2.2	32
57	Detection of EBV Infection and Gene Expression in Oral Cancer from Patients in Taiwan by Microarray Analysis. <i>Journal of Biomedicine and Biotechnology</i> , 2009, 2009, 1-15.	3.0	31
58	A Two-Stage Feature Selection Method for Gene Expression Data. <i>OMICS A Journal of Integrative Biology</i> , 2009, 13, 127-137.	1.0	31
59	Conserved PCR Primer Set Designing for Closely-Related Species to Complete Mitochondrial Genome Sequencing Using a Sliding Window-Based PSO Algorithm. <i>PLoS ONE</i> , 2011, 6, e17729.	1.1	31
60	Engineering Adipose Tissue from Uncultured Human Adipose Stromal Vascular Fraction on Collagen Matrix and Gelatin Sponge Scaffolds. <i>Tissue Engineering - Part A</i> , 2011, 17, 1489-1498.	1.6	30
61	Aqueous Extract of the Edible <i>Gracilaria tenuistipitata</i> Inhibits Hepatitis C Viral Replication via Cyclooxygenase-2 Suppression and Reduces Virus-Induced Inflammation. <i>PLoS ONE</i> , 2013, 8, e57704.	1.1	30
62	MDR-ER: Balancing Functions for Adjusting the Ratio in Risk Classes and Classification Errors for Imbalanced Cases and Controls Using Multifactor-Dimensionality Reduction. <i>PLoS ONE</i> , 2013, 8, e79387.	1.1	30
63	BPIQ, a novel synthetic quinoline derivative, inhibits growth and induces mitochondrial apoptosis of lung cancer cells in vitro and in zebrafish xenograft model. <i>BMC Cancer</i> , 2015, 15, 962.	1.1	30
64	Ablation of ATG4B Suppressed Autophagy and Activated AMPK for Cell Cycle Arrest in Cancer Cells. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 728-740.	1.1	30
65	Chaotic particle swarm optimization for detecting SNP-SNP interactions for CXCL12-related genes in breast cancer prevention. <i>European Journal of Cancer Prevention</i> , 2012, 21, 336-342.	0.6	29
66	Low Concentration of Withaferin a Inhibits Oxidative Stress-Mediated Migration and Invasion in Oral Cancer Cells. <i>Biomolecules</i> , 2020, 10, 777.	1.8	29
67	Breast cancer-associated high-order SNP-SNP interaction of CXCL12/CXCR4-related genes by an improved multifactor dimensionality reduction (MDR-ER). <i>Oncology Reports</i> , 2016, 36, 1739-1747.	1.2	28
68	Antibacterial Properties of Chinese Herbal Medicines against Nosocomial Antibiotic Resistant Strains of <i>Pseudomonas aeruginosa</i> in Taiwan. <i>The American Journal of Chinese Medicine</i> , 2007, 35, 1047-1060.	1.5	27
69	Expression of Extracellular Matrix Proteins in Ovarian Serous Tumors. <i>International Journal of Gynecological Pathology</i> , 2007, 26, 141-146.	0.9	27
70	Mitochondrial Fission Increases Apoptosis and Decreases Autophagy in Renal Proximal Tubular Epithelial Cells Treated with High Glucose. <i>DNA and Cell Biology</i> , 2016, 35, 657-665.	0.9	27
71	Reactive oxygen species mediate soft corals-derived sinuleptolide-induced antiproliferation and DNA damage in oral cancer cells. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 3289-3297.	1.0	27
72	Map1lc3b and Sqstm1 Modulated Autophagy for Tumorigenesis and Prognosis in Certain Subsites of Oral Squamous Cell Carcinoma. <i>Journal of Clinical Medicine</i> , 2018, 7, 478.	1.0	27

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73	Association of ORAI1 Haplotypes with the Risk of HLA-B27 Positive Ankylosing Spondylitis. PLoS ONE, 2011, 6, e20426.	1.1	27
74	Brown Algae-Derived Fucoidan Exerts Oxidative Stress-Dependent Antiproliferation on Oral Cancer Cells. Antioxidants, 2022, 11, 841.	2.2	27
75	De novo 617Gâ€“A nucleotide mutation in the ACVR1 gene in a Taiwanese patient with fibrodysplasia ossificans progressiva. Journal of Human Genetics, 2006, 51, 1083-1086.	1.1	26
76	Prim-SNPing: a primer designer for cost-effective SNP genotyping. BioTechniques, 2009, 46, 421-431.	0.8	26
77	Brefeldin A Effectively Inhibits Cancer Stem Cell-Like Properties and MMP-9 Activity in Human Colorectal Cancer Colo 205 Cells. Molecules, 2013, 18, 10242-10253.	1.7	26
78	Sinularin induces oxidative stressâ€“mediated G2/M arrest and apoptosis in oral cancer cells. Environmental Toxicology, 2017, 32, 2124-2132.	2.1	26
79	Coenzyme Q₀ Enhances Ultraviolet Bâ€“Induced Apoptosis in Human Estrogen Receptorâ€“Positive Breast (MCF-7) Cancer Cells. Integrative Cancer Therapies, 2017, 16, 385-396.	0.8	26
80	Methanol Extract of Usnea barbata Induces Cell Killing, Apoptosis, and DNA Damage against Oral Cancer Cells through Oxidative Stress. Antioxidants, 2020, 9, 694.	2.2	26
81	Additive effects of C2-ceramide on paclitaxel-induced premature senescence of human lung cancer cells. Life Sciences, 2010, 87, 350-357.	2.0	25
82	New Adipose Tissue Formation by Human Adipose-Derived Stem Cells with Hyaluronic Acid Gel in Immunodeficient Mice. International Journal of Medical Sciences, 2015, 12, 154-162.	1.1	25
83	Antiproliferation of Cryptocarya concinna-derived cryptocaryone against oral cancer cells involving apoptosis, oxidative stress, and DNA damage. BMC Complementary and Alternative Medicine, 2016, 16, 94.	3.7	25
84	Odds Ratio-Based Genetic Algorithms for Generating SNP Barcodes of Genotypes to Predict Disease Susceptibility. OMICS A Journal of Integrative Biology, 2008, 12, 71-81.	1.0	24
85	Novel generating protective single nucleotide polymorphism barcode for breast cancer using particle swarm optimization. Cancer Epidemiology, 2009, 33, 147-154.	0.8	24
86	Sinuleptolide inhibits proliferation of oral cancer Ca9-22 cells involving apoptosis, oxidative stress, and DNA damage. Archives of Oral Biology, 2016, 66, 147-154.	0.8	24
87	Evaluation of the mRNA expression levels of integrins Î±3, Î±5, Î±1 and Î±6 as tumor biomarkers of oral squamous cell carcinoma. Oncology Letters, 2018, 16, 4773-4781.	0.8	24
88	Detection of allelic imbalance in ascitic supernatant by digital single nucleotide polymorphism analysis. Clinical Cancer Research, 2002, 8, 2580-5.	3.2	24
89	Antibacterial and antioxidant properties of Ramulus Cinnamomi using supercritical CO2 extraction. European Food Research and Technology, 2008, 227, 1387-1396.	1.6	23
90	Identifying the Association Rules between Clinicopathologic Factors and Higher Survival Performance in Operation-Centric Oral Cancer Patients Using the Apriori Algorithm. BioMed Research International, 2013, 2013, 1-7.	0.9	23

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91	Impacts of Oxidative Stress and PI3K/AKT/mTOR on Metabolism and the Future Direction of Investigating Fucoidan-Modulated Metabolism. <i>Antioxidants</i> , 2022, 11, 911.	2.2	23
92	Seroepidemiology study of rubella antibodies among pregnant women from seven Asian countries: Evaluation of the rubella vaccination program in Taiwan. <i>Vaccine</i> , 2006, 24, 5772-5777.	1.7	22
93	Specific PCR product primer design using memetic algorithm. <i>Biotechnology Progress</i> , 2009, 25, 745-753.	1.3	22
94	Comparison of Classification Algorithms with Wrapper-Based Feature Selection for Predicting Osteoporosis Outcome Based on Genetic Factors in a Taiwanese Women Population. <i>International Journal of Endocrinology</i> , 2013, 2013, 1-8.	0.6	22
95	5-Azacytidine Induces Anoikis, Inhibits Mammosphere Formation and Reduces Metalloproteinase 9 Activity in MCF-7 Human Breast Cancer Cells. <i>Molecules</i> , 2014, 19, 3149-3159.	1.7	22
96	Translational Medicine in Pulmonary-Renal Crosstalk: Therapeutic Targeting of p-Cresyl Sulfate Triggered Nonspecific ROS and Chemoattractants in Dyspneic Patients with Uremic Lung Injury. <i>Journal of Clinical Medicine</i> , 2018, 7, 266.	1.0	22
97	Xanthium strumarium Fruit Extract Inhibits ATG4B and Diminishes the Proliferation and Metastatic Characteristics of Colorectal Cancer Cells. <i>Toxins</i> , 2019, 11, 313.	1.5	22
98	Restriction enzyme mining for SNPs in genomes. <i>Anticancer Research</i> , 2008, 28, 2001-7.	0.5	21
99	Identifying association model for single-nucleotide polymorphisms of ORAI1 gene for breast cancer. <i>Cancer Cell International</i> , 2014, 14, 29.	1.8	20
100	Identification of SNP barcode biomarkers for genes associated with facial emotion perception using particle swarm optimization algorithm. <i>Annals of General Psychiatry</i> , 2014, 13, 15.	1.2	20
101	<i>Prdx1</i> encoded peroxiredoxin is important for vascular development in zebrafish. <i>FEBS Letters</i> , 2017, 591, 889-902.	1.3	20
102	4 <i>H</i> -Hydroxywithanolide E selectively induces oxidative DNA damage for selective killing of oral cancer cells. <i>Environmental Toxicology</i> , 2018, 33, 295-304.	2.1	20
103	A novel sulfonyl chromenones (CHW09) preferentially kills oral cancer cells showing apoptosis, oxidative stress, and DNA damage. <i>Environmental Toxicology</i> , 2018, 33, 1195-1203.	2.1	20
104	Physalis peruviana-Derived Physapruin A (PHA) Inhibits Breast Cancer Cell Proliferation and Induces Oxidative-Stress-Mediated Apoptosis and DNA Damage. <i>Antioxidants</i> , 2021, 10, 393.	2.2	20
105	An improved PCR method for gender identification of eagles. <i>Molecular and Cellular Probes</i> , 2008, 22, 184-188.	0.9	19
106	Preventive SNP-SNP interactions in the mitochondrial displacement loop (D-loop) from chronic dialysis patients. <i>Mitochondrion</i> , 2013, 13, 698-704.	1.6	19
107	Nuclear Receptor Subfamily 2 Group F Member 1a (<i>nr2f1a</i>) Is Required for Vascular Development in Zebrafish. <i>PLoS ONE</i> , 2014, 9, e105939.	1.1	19
108	Genetic algorithm-generated SNP barcodes of the mitochondrial D-loop for chronic dialysis susceptibility. <i>Mitochondrial DNA</i> , 2014, 25, 231-237.	0.6	19

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109	Antiproliferation for Breast Cancer Cells by Ethyl Acetate Extract of <i>Nepenthes thorellii</i> x (<i>ventricosa</i> x <i>maxima</i>). <i>International Journal of Molecular Sciences</i> , 2019, 20, 3238.	1.8	19
110	Ethyl acetate extract of <i>Nepenthes adrianae</i> x <i>Nepenthes cliveata</i> induces antiproliferation, apoptosis, and DNA damage against oral cancer cells through oxidative stress. <i>Environmental Toxicology</i> , 2019, 34, 891-901.	2.1	19
111	Regulatory effects of noncoding RNAs on the interplay of oxidative stress and autophagy in cancer malignancy and therapy. <i>Seminars in Cancer Biology</i> , 2022, 83, 269-282.	4.3	19
112	SNP combinations in chromosome-wide genes are associated with bone mineral density in Taiwanese women. <i>Chinese Journal of Physiology</i> , 2008, 51, 32-41.	0.4	19
113	UV inducibility of rat proliferating cell nuclear antigen gene promoter. , 1999, 73, 423-432.		18
114	Identification of a novel septin 4 protein binding to human herpesvirus 8 kaposin A protein using a phage display cDNA library. <i>Journal of Virological Methods</i> , 2007, 143, 65-72.	1.0	18
115	Generating SNP barcode to evaluate SNP-SNP interaction of disease by particle swarm optimization. <i>Computational Biology and Chemistry</i> , 2009, 33, 114-119.	1.1	18
116	Confronting two-pair primer design for enzyme-free SNP genotyping based on a genetic algorithm. <i>BMC Bioinformatics</i> , 2010, 11, 509.	1.2	18
117	High-throughput gender identification of three Columbidae species using melting curve analysis. <i>Theriogenology</i> , 2011, 75, 73-79.e4.	0.9	18
118	Features for computational operon prediction in prokaryotes. <i>Briefings in Functional Genomics</i> , 2012, 11, 291-299.	1.3	18
119	The Importance of Integrating SNP and Cheminformatics Resources to Pharmacogenomics. <i>Current Drug Metabolism</i> , 2012, 13, 991-999.	0.7	18
120	Double-Bottom Chaotic Map Particle Swarm Optimization Based on Chi-Square Test to Determine Gene-Gene Interactions. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	18
121	Low Dose Combined Treatment with Ultraviolet-C and Withaferin a Enhances Selective Killing of Oral Cancer Cells. <i>Antioxidants</i> , 2020, 9, 1120.	2.2	18
122	V-MitoSNP: visualization of human mitochondrial SNPs. <i>BMC Bioinformatics</i> , 2006, 7, 379.	1.2	17
123	The Antitumor Activity of <i>Antrodia camphorata</i> in Melanoma Cells: Modulation of Wnt/Catenin Signaling Pathways. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-14.	0.5	17
124	Combined Treatment of Sulfonyl Chromen-4-Ones (CHW09) and Ultraviolet-C (UVC) Enhances Proliferation Inhibition, Apoptosis, Oxidative Stress, and DNA Damage against Oral Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6443.	1.8	17
125	Pomegranate Extract (POMx) Induces Mitochondrial Dysfunction and Apoptosis of Oral Cancer Cells. <i>Antioxidants</i> , 2021, 10, 1117.	2.2	17
126	SNP-Flankplus: SNP ID-centric retrieval for SNP flanking sequences. <i>Bioinformatics</i> , 2008, 3, 147-149.	0.2	17

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127	Drug-SNPing: an integrated drug-based, protein interaction-based tagSNP-based pharmacogenomics platform for SNP genotyping. <i>Bioinformatics</i> , 2013, 29, 758-764.	1.8	16
128	High Order Gene-Gene Interactions in Eight Single Nucleotide Polymorphisms of Renin-Angiotensin System Genes for Hypertension Association Study. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	16
129	The Combinational Polymorphisms of <i>ORAI1</i> Gene Are Associated with Preventive Models of Breast Cancer in the Taiwanese. <i>BioMed Research International</i> , 2015, 2015, 1-7.	0.9	16
130	Roe Protein Hydrolysates of Giant Grouper (<i>Epinephelus lanceolatus</i>) Inhibit Cell Proliferation of Oral Cancer Cells Involving Apoptosis and Oxidative Stress. <i>BioMed Research International</i> , 2016, 2016, 1-12.	0.9	16
131	<i>Tribulus terrestris</i> fruit extract inhibits autophagic flux to diminish cell proliferation and metastatic characteristics of oral cancer cells. <i>Environmental Toxicology</i> , 2021, 36, 1173-1180.	2.1	16
132	Androgen receptor and gene network: Micromechanics reassemble the signaling machinery of TMPRSS2-ERG positive prostate cancer cells. <i>Cancer Cell International</i> , 2014, 14, 34.	1.8	15
133	Overexpression of Autophagy-Related 16-Like 1 in Patients with Oral Squamous Cell Carcinoma. <i>Pathology and Oncology Research</i> , 2015, 21, 301-305.	0.9	15
134	Protein folding prediction in the HP model using ions motion optimization with a greedy algorithm. <i>BioData Mining</i> , 2018, 11, 17.	2.2	15
135	Kinome-Wide Screening with Small Interfering RNA Identified Polo-like Kinase 1 as a Key Regulator of Proliferation in Oral Cancer Cells. <i>Cancers</i> , 2019, 11, 1117.	1.7	15
136	Withanolide C Inhibits Proliferation of Breast Cancer Cells via Oxidative Stress-Mediated Apoptosis and DNA Damage. <i>Antioxidants</i> , 2020, 9, 873.	2.2	15
137	Serum responsiveness of the rat PCNA promoter involves the proximal ATF and AP-1 sites. <i>FEBS Letters</i> , 1998, 441, 200-204.	1.3	14
138	The mitogen-activated protein kinase phosphatase-1 (MKP-1) gene is a potential methylation biomarker for malignancy of breast cancer. <i>Experimental and Molecular Medicine</i> , 2012, 44, 356.	3.2	14
139	High-throughput sex identification by melting curve analysis in blue-breasted quail and chicken. <i>Theriogenology</i> , 2012, 77, 1951-1958.	0.9	14
140	Improved branch and bound algorithm for detecting SNP-SNP interactions in breast cancer. <i>Journal of Clinical Bioinformatics</i> , 2013, 3, 4.	1.2	14
141	Antiproliferative Effects of Methanolic Extracts of <i>Cryptocarya concinna</i> Hance Roots on Oral Cancer Ca9-22 and CAL 27 Cell Lines Involving Apoptosis, ROS Induction, and Mitochondrial Depolarization. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	0.8	14
142	Pomegranate extract inhibits migration and invasion of oral cancer cells by downregulating matrix metalloproteinase-2/9 and epithelial-mesenchymal transition. <i>Environmental Toxicology</i> , 2020, 35, 673-682.	2.1	14
143	Seq-SNPing: Multiple-Alignment Tool for SNP Discovery, SNP ID Identification, and RFLP Genotyping. <i>OMICS A Journal of Integrative Biology</i> , 2009, 13, 253-260.	1.0	13
144	Cumulative receiver operating characteristics for analyzing interaction between tissue visfatin and clinicopathologic factors in breast cancer progression. <i>Cancer Cell International</i> , 2018, 18, 19.	1.8	13

#	ARTICLE	IF	CITATIONS
145	Withaferin A Triggers Apoptosis and DNA Damage in Bladder Cancer J82 Cells through Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 1063.	2.2	13
146	RelA-Mediated BECN1 Expression Is Required for Reactive Oxygen Species-Induced Autophagy in Oral Cancer Cells Exposed to Low-Power Laser Irradiation. <i>PLoS ONE</i> , 2016, 11, e0160586.	1.1	13
147	Modulating Roles of Amiloride in Irradiation-Induced Antiproliferative Effects in Glioblastoma Multiforme Cells Involving Akt Phosphorylation and the Alternative Splicing of Apoptotic Genes. <i>DNA and Cell Biology</i> , 2013, 32, 504-510.	0.9	12
148	Analysis of high-order SNP barcodes in mitochondrial D-loop for chronic dialysis susceptibility. <i>Journal of Biomedical Informatics</i> , 2016, 63, 112-119.	2.5	12
149	Gingerone A Induces Antiproliferation and Senescence of Breast Cancer Cells. <i>Antioxidants</i> , 2022, 11, 587.	2.2	12
150	Synergistic anti-oral cancer effects of UVC and methanolic extracts of <i>Cryptocarya concinna</i> roots via apoptosis, oxidative stress and DNA damage. <i>International Journal of Radiation Biology</i> , 2016, 92, 263-272.	1.0	11
151	Antimycin A shows selective antiproliferation to oral cancer cells by oxidative stress-mediated apoptosis and DNA damage. <i>Environmental Toxicology</i> , 2020, 35, 1212-1224.	2.1	11
152	Natural Products Mediated Regulation of Oxidative Stress and DNA Damage in Ultraviolet Exposed Skin Cells. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 1078-1084.	0.9	11
153	Burmamic Acid Inhibits Proliferation and Induces Oxidative Stress Response of Oral Cancer Cells. <i>Antioxidants</i> , 2021, 10, 1588.	2.2	11
154	Agrin induces association of <i>Chrna1</i> mRNA and nicotinic acetylcholine receptor in C2C12 myotubes. <i>FEBS Letters</i> , 2012, 586, 3111-3116.	1.3	10
155	Reduction of RNA editing in <i>Drosophila</i> acclimated to heat shock. <i>Kaohsiung Journal of Medical Sciences</i> , 2013, 29, 478-483.	0.8	10
156	Methylotyping: An improved and visualized COBRA software for epigenomic studies. <i>FEBS Letters</i> , 2010, 584, 739-744.	1.3	9
157	Restoring TRAIL Mediated Signaling in Ovarian Cancer Cells. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2014, 62, 459-474.	1.0	9
158	Epigenetic mechanisms in cancer: push and pull between kneaded erasers and fate writers. <i>International Journal of Nanomedicine</i> , 2015, 10, 3183.	3.3	9
159	Ftr82 Is Critical for Vascular Patterning during Zebrafish Development. <i>International Journal of Molecular Sciences</i> , 2017, 18, 156.	1.8	9
160	Sulfonyl chromen-4-ones (CHW09) shows an additive effect to inhibit cell growth of X-ray irradiated oral cancer cells, involving apoptosis and ROS generation. <i>International Journal of Radiation Biology</i> , 2019, 95, 1226-1235.	1.0	9
161	Combined Treatment with Low Cytotoxic Ethyl Acetate Nephentes Extract and Ultraviolet-C Improves Antiproliferation to Oral Cancer Cells via Oxidative Stress. <i>Antioxidants</i> , 2020, 9, 876.	2.2	9
162	Oxidative Stress-Dependent Synergistic Antiproliferation, Apoptosis, and DNA Damage of Ultraviolet-C and Coral-Derived Sinularin Combined Treatment for Oral Cancer Cells. <i>Cancers</i> , 2021, 13, 2450.	1.7	9

#	ARTICLE	IF	CITATIONS
163	Comparison of Antioxidant and Anticancer Properties of Soft Coral-Derived Sinularin and Dihydrosinularin. <i>Molecules</i> , 2021, 26, 3853.	1.7	9
164	The Sour Taste-Modifying Protein (Miraculin), Tyrosinase Inhibitors and Antioxidants from <i>Synsepalum dulcificum</i> . <i>Current Nutrition and Food Science</i> , 2009, 5, 172-179.	0.3	8
165	SNP 1772 C > T of HIF-1 α gene associates with breast cancer risk in a Taiwanese population. <i>Cancer Cell International</i> , 2014, 14, 87.	1.8	8
166	Single nucleotide polymorphism barcoding of cytochrome c oxidase I sequences for discriminating 17 species of Columbidae by decision tree algorithm. <i>Ecology and Evolution</i> , 2017, 7, 4717-4725.	0.8	8
167	Oxidative Stress and AKT-Associated Angiogenesis in a Zebrafish Model and Its Potential Application for Withanolides. <i>Cells</i> , 2022, 11, 961.	1.8	8
168	Physapruin A Induces Reactive Oxygen Species to Trigger Cytoprotective Autophagy of Breast Cancer Cells. <i>Antioxidants</i> , 2022, 11, 1352.	2.2	8
169	A novel growth hormone 1 gene-derived probe for <i>Oncorhynchus masou formosanus</i> distinguished from the <i>Oncorhynchus</i> subspecies. <i>Molecular and Cellular Probes</i> , 2009, 23, 103-106.	0.9	7
170	A method to identify RNA A-to-I editing targets using I-specific cleavage and exon array analysis. <i>Molecular and Cellular Probes</i> , 2013, 27, 38-45.	0.9	7
171	RNA Editing and Drug Discovery for Cancer Therapy. <i>Scientific World Journal</i> , The, 2013, 2013, 1-5.	0.8	7
172	A Particle Swarm Optimization-Based Approach with Local Search for Predicting Protein Folding. <i>Journal of Computational Biology</i> , 2017, 24, 981-994.	0.8	7
173	Ethyl Acetate Extract of <i>Nepenthes ventricosa</i> x <i>maxima</i> Exerts Preferential Killing to Oral Cancer Cells. <i>DNA and Cell Biology</i> , 2019, 38, 763-772.	0.9	7
174	<i>Nepenthes</i> Ethyl Acetate Extract Provides Oxidative Stress-Dependent Anti-Leukemia Effects. <i>Antioxidants</i> , 2021, 10, 1410.	2.2	7
175	The Predictive Value of Systemic Immune-Inflammation Index on Bladder Recurrence on Upper Tract Urothelial Carcinoma Outcomes after Radical Nephroureterectomy. <i>Journal of Clinical Medicine</i> , 2021, 10, 5273.	1.0	7
176	Joint Analysis of SNP-Environment Interactions for Chronic Dialysis by an Improved Branch and Bound Algorithm. <i>Journal of Computational Biology</i> , 2017, 24, 1212-1225.	0.8	6
177	LY303511 displays antiproliferation potential against oral cancer cells in vitro and in vivo. <i>Environmental Toxicology</i> , 2019, 34, 958-967.	2.1	6
178	SNP ID-info: SNP ID Searching and Visualization Platform. <i>OMICS A Journal of Integrative Biology</i> , 2008, 12, 217-226.	1.0	5
179	Recombinant chimeric vaccine composed of PRRSV antigens and truncated <i>Pseudomonas</i> exotoxin A (PE-K13). <i>Research in Veterinary Science</i> , 2013, 95, 742-751.	0.9	5
180	SNP-SNP Interaction Using Gauss Chaotic Map Particle Swarm Optimization to Detect Susceptibility to Breast Cancer. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
181	Activation and Inhibition of ATM by Phytochemicals: Awakening and Sleeping the Guardian Angel Naturally. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2015, 63, 357-366.	1.0	5
182	Decision Tree Algorithm-Generated Single-Nucleotide Polymorphism Barcodes of <i>rbcL</i> Genes for 38 Brassicaceae Species Tagging. <i>Evolutionary Bioinformatics</i> , 2018, 14, 117693431876085.	0.6	5
183	Decision Theory-Based COI-SNP Tagging Approach for 126 Scombriformes Species Tagging. <i>Frontiers in Genetics</i> , 2019, 10, 259.	1.1	5
184	Cryptocaryone Promotes ROS-Dependent Antiproliferation and Apoptosis in Ovarian Cancer Cells. <i>Cells</i> , 2022, 11, 641.	1.8	5
185	Tris-(2-pyridyl)-pyrazolyl Borate Zinc(II) Complexes: Synthesis, DNA/Protein Binding and In Vitro Cytotoxicity Studies. <i>Molecules</i> , 2021, 26, 7341.	1.7	5
186	The Roles of p53, DNA Repair, and Oxidative Stress in Ultraviolet C Induction of Proliferating Cell Nuclear Antigen Expression. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 384-391.	1.8	4
187	Natural Products: Bioactivity, Biochemistry, and Biological Effects in Cancer and Disease Therapy. <i>Scientific World Journal</i> , The, 2013, 2013, 1-1.	0.8	4
188	Antioxidant Potential of Solvent Partitioned Extraction from Aqueous Extract of <i>Gracilaria tenuistipitata</i> . <i>Current Organic Chemistry</i> , 2015, 19, 39-44.	0.9	4
189	Targeted Isolation of Xenicane Diterpenoids From Taiwanese Soft Coral <i>Asterospicularia laurae</i> . <i>Marine Drugs</i> , 2021, 19, 123.	2.2	4
190	Manoalide Shows Mutual Interaction between Cellular and Mitochondrial Reactive Species with Apoptosis in Oral Cancer Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-16.	1.9	4
191	Nepenthes Extract Induces Selective Killing, Necrosis, and Apoptosis in Oral Cancer Cells. <i>Journal of Personalized Medicine</i> , 2021, 11, 871.	1.1	4
192	Soft Coral-Derived Dihydrosinularin Exhibits Antiproliferative Effects Associated with Apoptosis and DNA Damage in Oral Cancer Cells. <i>Pharmaceuticals</i> , 2021, 14, 994.	1.7	4
193	Alternative Splicing, DNA Damage and Modulating Drugs in Radiation Therapy for Cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015, 15, 674-680.	0.9	4
194	Antiproliferation- and Apoptosis-Inducible Effects of a Novel Nitrated [6,6,6]Tricyclic Derivative (SK2) on Oral Cancer Cells. <i>Molecules</i> , 2022, 27, 1576.	1.7	4
195	Prognostic value of renal function for upper tract urothelial carcinoma who underwent radical nephroureterectomy: Sex differences. <i>Journal of the Formosan Medical Association</i> , 2022, , .	0.8	4
196	LD2SNPIng: linkage disequilibrium plotter and RFLP enzyme mining for tag SNPs. <i>BMC Genetics</i> , 2009, 10, 26.	2.7	3
197	Genetic Algorithm for the Design of Confronting Two-Pair Primers. , 2009, , .		3
198	Rapid and Economic DNA Extraction from a Single Salmon Egg for Real-Time PCR Amplification. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 2014-2017.	0.6	3

#	ARTICLE	IF	CITATIONS
199	Injected Implant of Uncultured Stromal Vascular Fraction Loaded Onto a Collagen Gel. <i>Annals of Plastic Surgery</i> , 2016, 76, S108-S116.	0.5	3
200	Interaction of MRE11 and Clinicopathologic Characteristics in Recurrence of Breast Cancer: Individual and Cumulated Receiver Operating Characteristic Analyses. <i>BioMed Research International</i> , 2017, 2017, 1-9.	0.9	3
201	Application of simulation-based CYP26 SNP-environment barcodes for evaluating the occurrence of oral malignant disorders by odds ratio-based binary particle swarm optimization: A case-control study in the Taiwanese population. <i>PLoS ONE</i> , 2019, 14, e0220719.	1.1	3
202	Synergistic Antiproliferation of Cisplatin and Nitrated [6,6,6]Tricyclic Derivative (SK2) for a Combined Treatment of Oral Cancer Cells. <i>Antioxidants</i> , 2022, 11, 926.	2.2	3
203	Digital Single-Nucleotide Polymorphism Analysis for Allelic Imbalance. , 2005, 103, 137-142.		2
204	Molecular phylogeny of the <i>Pycnonotus sinensis</i> and <i>Pycnonotus taivanus</i> in Taiwan based on sequence variations of nuclear CHD and mitochondrial cytochrome b genes. <i>Biochemical Systematics and Ecology</i> , 2010, 38, 195-201.	0.6	2
205	Improved Candidate Drug Mining for Alzheimer's Disease. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	2
206	Networks development between nicotinic chemical probes and Ca9-22 oral cancer cells by general proteomics analyses. <i>Electrophoresis</i> , 2014, 35, n/a-n/a.	1.3	2
207	Toxicology and Disease/Cancer Therapy in Reactive Oxygen Species-Mediated Drugs and Treatments. <i>Scientific World Journal</i> , The, 2015, 2015, 1-1.	0.8	2
208	Butanol-Partitioned Extraction from Aqueous Extract of <i>Gracilaria tenuistipitata</i> Inhibits Cell Proliferation of Oral Cancer Cells Involving Apoptosis and Oxidative Stress. <i>DNA and Cell Biology</i> , 2016, 35, 210-216.	0.9	2
209	Implication for second primary cancer from visible oral and oropharyngeal premalignant lesions in betel nut chewing related oral cancer. <i>Head and Neck</i> , 2017, 39, 1428-1435.	0.9	2
210	Antioxidant Properties of Fractions for Unripe Fruits of <i>Capsicum annum</i> L. var. <i>Conoides</i> . <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 17, 1971-1977.	0.9	2
211	Combined Treatment with Cryptocaryone and Ultraviolet C Promotes Antiproliferation and Apoptosis of Oral Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2981.	1.8	2
212	A MIXED METHOD FOR PROVIDING EXACT SNP IDs FROM SEQUENCES. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2007, 19, 251-257.	0.3	1
213	Primer design with specific PCR product size using Memetic algorithm. , 2008, , .		1
214	Fuzzy adaptive particle swarm optimization for a specific primer design problem. , 2009, , .		1
215	Dynamic Programming for Single Nucleotide Polymorphism ID Identification in Systematic Association Studies. <i>Kaohsiung Journal of Medical Sciences</i> , 2009, 25, 165-176.	0.8	1
216	High-Throughput Gender Identification of Penguin Species Using Melting Curve Analysis. <i>Animal Biotechnology</i> , 2014, 25, 119-127.	0.7	1

#	ARTICLE	IF	CITATIONS
217	<p>Ethyl acetate extracts of Nepenthes ventricosa x sibuyanensis leaves cause growth inhibition against oral cancer cells via oxidative stress</p>. OncoTargets and Therapy, 2019, Volume 12, 5227-5239.	1.0	1
218	UV inducibility of rat proliferating cell nuclear antigen gene promoter. Journal of Cellular Biochemistry, 1999, 73, 423-432.	1.2	1
219	An Introduction to Mitochondrial Informatics. Methods in Molecular Biology, 2010, 628, 259-274.	0.4	1
220	Brefeldin A Inhibits Cancer Stem Cell Properties in Human Lung Cancer Cells. Current Signal Transduction Therapy, 2013, 8, 113-118.	0.3	1
221	Extract-SAGE: An integrated platform for cross-analysis and GA-based selection of SAGE data. Bioinformatics, 2009, 3, 291-292.	0.2	1
222	Genotype analysis using human hair shaft. Cancer Epidemiology Biomarkers and Prevention, 2002, 11, 925-9.	1.1	1
223	hSAGEing: An Improved SAGE-Based Software for Identification of Human Tissue-Specific or Common Tumor Markers and Suppressors. PLoS ONE, 2010, 5, e14369.	1.1	0
224	A mismatch PCR-RFLP primer design for SNP genotyping using genetic algorithm. , 2010, , .		0
225	Use of Genetic Algorithm Combinational Single-nucleotide Polymorphisms Could Modify the Association of Blood Lead Levels and Bone Matrix Density. Epidemiology, 2017, 28, S121-S125.	1.2	0
226	[Regular Paper] Decision Theory-Based DNA Barcoding Through Quick Response Code Representation. , 2018, , .		0
227	Hybrid High Exploration Particle Swarm Optimization Algorithm Improves the Prediction of the 2-Dimensional Hydrophobic-Polar Model for Protein Folding. Current Bioinformatics, 2018, 13, 182-192.	0.7	0
228	SNP-Flankplus: SNP ID-Centric Retrieval of Flanking Sequences. Studies in Computational Intelligence, 2009, , 13-18.	0.7	0
229	A Combined Bisulfite Restriction Analysis Bioinformatics Tool: Methyl-Typing. Methods in Molecular Biology, 2011, 791, 73-88.	0.4	0
230	Selective Killing Natural Products and Drugs in Oral Cancer Treatments. Dental Research and Management, 2016, , 1-2.	0.8	0
231	Combined Treatment of Nitrated [6,6,6]Tricycles Derivative (SK2)/Ultraviolet C Highly Inhibits Proliferation in Oral Cancer Cells In Vitro. Biomedicines, 2022, 10, 1196.	1.4	0