

Wei-Chiao Chang

List of Publications by Year in descending order

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120
papers

2,012
citations

304368

22
h-index

344852

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121
all docs

121
docs citations

121
times ranked

3676
citing authors

#	ARTICLE	IF	CITATIONS
1	STIM1- and Orai1-mediated Ca ²⁺ oscillation orchestrates invadopodium formation and melanoma invasion. <i>Journal of Cell Biology</i> , 2014, 207, 535-548.	2.3	138
2	ITPKC Single Nucleotide Polymorphism Associated with the Kawasaki Disease in a Taiwanese Population. <i>PLoS ONE</i> , 2011, 6, e17370.	1.1	84
3	Sleep apnea and the subsequent risk of breast cancer in women: a nationwide population-based cohort study. <i>Sleep Medicine</i> , 2014, 15, 1016-1020.	0.8	75
4	The antiproliferative effect of C2-ceramide on lung cancer cells through apoptosis by inhibiting Akt and NF- κ B. <i>Cancer Cell International</i> , 2014, 14, 1.	1.8	70
5	PTX3 gene activation in EGF-induced head and neck cancer cell metastasis. <i>Oncotarget</i> , 2015, 6, 7741-7757.	0.8	62
6	Cancers in Taiwan: Practical insight from epidemiology, treatments, biomarkers, and cost. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 1731-1741.	0.8	60
7	Genetic variants that influence SARS-CoV-2 receptor TMPRSS2 expression among population cohorts from multiple continents. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 263-269.	1.0	51
8	Intravenous immunoglobulin, pharmacogenomics, and Kawasaki disease. <i>Journal of Microbiology, Immunology and Infection</i> , 2016, 49, 1-7.	1.5	43
9	Translocation of NF- κ B and Expression of Cyclooxygenase-2 Are Enhanced by Ketamine-Induced Ulcerative Cystitis in Rat Bladder. <i>American Journal of Pathology</i> , 2015, 185, 2269-2285.	1.9	41
10	LINE-1 Methylation Status Correlates Significantly to Post-Therapeutic Recurrence in Stage III Colon Cancer Patients Receiving FOLFOX-4 Adjuvant Chemotherapy. <i>PLoS ONE</i> , 2015, 10, e0123973.	1.1	41
11	Polymorphisms of transforming growth factor- β 2 signaling pathway and Kawasaki disease in the Taiwanese population. <i>Journal of Human Genetics</i> , 2011, 56, 840-845.	1.1	40
12	Diversity in immunogenomics: the value and the challenge. <i>Nature Methods</i> , 2021, 18, 588-591.	9.0	40
13	Gene expression profiling combined with functional analysis identify integrin beta1 (ITGB1) as a potential prognosis biomarker in triple negative breast cancer. <i>Pharmacological Research</i> , 2016, 104, 31-37.	3.1	39
14	Higher Expression of Whole Blood MicroRNA-21 in Patients with Ankylosing Spondylitis Associated with Programmed Cell Death 4 mRNA Expression and Collagen Cross-linked C-telopeptide Concentration. <i>Journal of Rheumatology</i> , 2014, 41, 1104-1111.	1.0	36
15	Single-Nucleotide Polymorphism rs7251246 in ITPKC Is Associated with Susceptibility and Coronary Artery Lesions in Kawasaki Disease. <i>PLoS ONE</i> , 2014, 9, e91118.	1.1	34
16	Prediction for Intravenous Immunoglobulin Resistance by Using Weighted Genetic Risk Score Identified From Genome-Wide Association Study in Kawasaki Disease. <i>Circulation: Cardiovascular Genetics</i> , 2017, 10, .	5.1	33
17	Profiling of T Cell Repertoire in SARS-CoV-2-Infected COVID-19 Patients Between Mild Disease and Pneumonia. <i>Journal of Clinical Immunology</i> , 2021, 41, 1131-1145.	2.0	31
18	Association between Nonsteroidal Anti-Inflammatory Drugs and Colorectal Cancer: A Population-Based Case-Control Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2018, 27, 737-745.	1.1	30

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19	Identification of IGF-1-enhanced cytokine expressions targeted by miR-181d in glioblastomas via an integrative miRNA/mRNA regulatory network analysis. <i>Scientific Reports</i> , 2017, 7, 732.	1.6	27
20	The association between BDNF Val66Met polymorphism and emotional symptoms after mild traumatic brain injury. <i>BMC Medical Genetics</i> , 2018, 19, 13.	2.1	27
21	A Chinese Herbal Medicine, Jia-Wei-Xiao-Yao-San, Prevents Dimethylnitrosamine-Induced Hepatic Fibrosis in Rats. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	26
22	Characterization of T-Cell Receptor Repertoire in Patients with Rheumatoid Arthritis Receiving Biologic Therapies. <i>Disease Markers</i> , 2019, 2019, 1-12.	0.6	26
23	Development and clinical applications of cancer immunotherapy against PD-1 signaling pathway. <i>Journal of Biomedical Science</i> , 2019, 26, 96.	2.6	26
24	Integration of genetic variants and gene network for drug repurposing in colorectal cancer. <i>Pharmacological Research</i> , 2020, 161, 105203.	3.1	26
25	Interaction between HLA-B60 and HLA-B27 as a Better Predictor of Ankylosing Spondylitis in a Taiwanese Population. <i>PLoS ONE</i> , 2015, 10, e0137189.	1.1	23
26	Effects and Safety of an Oral Adsorbent on Chronic Kidney Disease Progression: A Systematic Review and Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2019, 8, 1718.	1.0	23
27	SIGLEC-3 (CD33) serves as an immune checkpoint receptor for HBV infection. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	23
28	Identification of genes and pathways related to lymphovascular invasion in breast cancer patients: A bioinformatics analysis of gene expression profiles. <i>Tumor Biology</i> , 2017, 39, 101042831770557.	0.8	22
29	Increased Risk of Benign Prostate Hyperplasia in Sleep Apnea Patients: A Nationwide Population-Based Study. <i>PLoS ONE</i> , 2014, 9, e93081.	1.1	21
30	A nationwide population-based cohort study to identify the correlation between heart failure and the subsequent risk of herpes zoster. <i>BMC Infectious Diseases</i> , 2015, 15, 17.	1.3	21
31	Characterization of cytokinome landscape for clinical responses in human cancers. <i>Oncolmmunology</i> , 2016, 5, e1214789.	2.1	21
32	V-J combinations of T-cell receptor predict responses to erythropoietin in end-stage renal disease patients. <i>Journal of Biomedical Science</i> , 2017, 24, 43.	2.6	21
33	Silencing Heat Shock Protein 27 Inhibits the Progression and Metastasis of Colorectal Cancer (CRC) by Maintaining the Stability of Stromal Interaction Molecule 1 (STIM1) Proteins. <i>Cells</i> , 2018, 7, 262.	1.8	21
34	miR-4725-3p targeting stromal interacting molecule 1 signaling is involved in xanthohumol inhibition of glioma cell invasion. <i>Journal of Neurochemistry</i> , 2018, 146, 269-288.	2.1	21
35	An Increase in Reactive Oxygen Species by Deregulation of ARNT Enhances Chemotherapeutic Drug-Induced Cancer Cell Death. <i>PLoS ONE</i> , 2014, 9, e99242.	1.1	20
36	Identifying association model for single-nucleotide polymorphisms of ORAI1 gene for breast cancer. <i>Cancer Cell International</i> , 2014, 14, 29.	1.8	20

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37	Involvement of L-type Ca ²⁺ channel and toll-like receptor 4 in nickel-induced interleukin-8 gene expression. <i>Environmental Toxicology</i> , 2016, 31, 5-12.	2.1	20
38	Store-operated Ca ²⁺ Entry Facilitates the Lipopolysaccharide-induced Cyclooxygenase-2 Expression in Gastric Cancer Cells. <i>Scientific Reports</i> , 2017, 7, 12813.	1.6	20
39	CLEC5A: A Promiscuous Pattern Recognition Receptor to Microbes and Beyond. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1204, 57-73.	0.8	20
40	Correlation of clinical features and genetic profiles of stromal interaction molecule 1 (<i>STIM1</i>) in colorectal cancers. <i>Oncotarget</i> , 2015, 6, 42169-42182.	0.8	20
41	IL-31 Associated with Coronary Artery Lesion Formation in Kawasaki Disease. <i>PLoS ONE</i> , 2014, 9, e105195.	1.1	19
42	A Polymorphism of <i>ORAI1</i> rs7135617, Is Associated with Susceptibility to Rheumatoid Arthritis. <i>Mediators of Inflammation</i> , 2014, 2014, 1-5.	1.4	19
43	FCGR2A Promoter Methylation and Risks for Intravenous Immunoglobulin Treatment Responses in Kawasaki Disease. <i>Mediators of Inflammation</i> , 2015, 2015, 1-5.	1.4	19
44	Drug Repurposing for Atopic Dermatitis by Integration of Gene Networking and Genomic Information. <i>Frontiers in Immunology</i> , 2021, 12, 724277.	2.2	18
45	Moving toward Personalized Medicine in the Methadone Maintenance Treatment Program: A Pilot Study on the Evaluation of Treatment Responses in Taiwan. <i>BioMed Research International</i> , 2013, 2013, 1-11.	0.9	17
46	Involvement of Intracellular Calcium Mobilization in IL-8 Activation in Human Retinal Pigment Epithelial Cells. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 761-769.	3.3	17
47	Function of DNA methyltransferase 3a in lead (Pb ²⁺)-induced <i>Cyclooxygenase-2</i> gene. <i>Environmental Toxicology</i> , 2015, 30, 1024-1032.	2.1	17
48	Transforming growth factor alpha promotes tumorigenesis and regulates epithelial-mesenchymal transition modulation in colon cancer. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 901-906.	1.0	17
49	A Single-nucleotide Polymorphism of CCR6 (rs3093024) Is Associated with Susceptibility to Rheumatoid Arthritis But Not Ankylosing Spondylitis, in a Taiwanese Population: Table 1. <i>Journal of Rheumatology</i> , 2012, 39, 1765-1765.	1.0	15
50	Identification of Druggable Genes for Asthma by Integrated Genomic Network Analysis. <i>Biomedicine</i> , 2022, 10, 113.	1.4	15
51	Computational Analysis of mRNA Expression Profiles Identifies the <i>ITG</i> Family and <i>PIK3R3</i> as Crucial Genes for Regulating Triple Negative Breast Cancer Cell Migration. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	14
52	The rs1256328 (ALPL) and rs12654812 (RGS14) Polymorphisms are Associated with Susceptibility to Calcium Nephrolithiasis in a Taiwanese population. <i>Scientific Reports</i> , 2019, 9, 17296.	1.6	14
53	MiR-22 as a metabolic silencer and liver tumor suppressor. <i>Liver Research</i> , 2020, 4, 74-80.	0.5	14
54	Genetic Variants of CD209 Associated with Kawasaki Disease Susceptibility. <i>PLoS ONE</i> , 2014, 9, e105236.	1.1	13

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55	Phthalate plasticizer di(2-ethylhexyl) phthalate induces cyclooxygenase-2 expression in gastric adenocarcinoma cells. <i>Environmental Toxicology</i> , 2019, 34, 1191-1198.	2.1	13
56	Close Correlation between Season of Birth and the Prevalence of Bronchial Asthma in a Taiwanese Population. <i>PLoS ONE</i> , 2013, 8, e80285.	1.1	13
57	Transcriptome network analyses in human coronavirus infections suggest a rational use of immunomodulatory drugs for COVID-19 therapy. <i>Genomics</i> , 2021, 113, 564-575.	1.3	12
58	Exposure to tobacco smoke and childhood rhinitis: a population-based study. <i>Scientific Reports</i> , 2017, 7, 42836.	1.6	11
59	rs10865331 Associated with Susceptibility and Disease Severity of Ankylosing Spondylitis in a Taiwanese Population. <i>PLoS ONE</i> , 2014, 9, e104525.	1.1	11
60	rs2841277 (<i>PLD4</i>) is associated with susceptibility and rs4672495 is associated with disease activity in rheumatoid arthritis. <i>Oncotarget</i> , 2017, 8, 64180-64190.	0.8	11
61	No Increased Risk of Herpes Zoster Found in Cirrhotic Patients: A Nationwide Population-Based Study in Taiwan. <i>PLoS ONE</i> , 2014, 9, e93443.	1.1	10
62	Association between Kawasaki Disease and Autism: A Population-Based Study in Taiwan. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 3705-3716.	1.2	10
63	Study of the Association between <i>ITPKC</i> Genetic Polymorphisms and Calcium Nephrolithiasis. <i>BioMed Research International</i> , 2014, 2014, 1-6.	0.9	10
64	The functional roles of IGF-1 variants in the susceptibility and clinical outcomes of mild traumatic brain injury. <i>Journal of Biomedical Science</i> , 2019, 26, 94.	2.6	10
65	HSPB1 rs2070804 polymorphism is associated with the depth of primary tumor. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 63-69.	1.2	10
66	Efficacy and Safety of Mineralocorticoid Receptor Antagonists in Kidney Failure Patients Treated with Dialysis: A Systematic Review and Meta-Analysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2021, 16, 916-925.	2.2	10
67	Association between nonsteroidal anti-inflammatory drugs and atrial fibrillation among a middle-aged population: a nationwide population-based cohort. <i>British Journal of Clinical Pharmacology</i> , 2018, 84, 1290-1300.	1.1	9
68	Functional Effects of let-7g Expression in Colon Cancer Metastasis. <i>Cancers</i> , 2019, 11, 489.	1.7	9
69	Vitamin B Mitigates Thoracic Aortic Dilation in Marfan Syndrome Mice by Restoring the Canonical TGF- β 2 Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11737.	1.8	9
70	A population-based five-year study on the risk of stroke in patients with osteoporosis in Taiwan. <i>Bone</i> , 2015, 72, 9-13.	1.4	8
71	Meta-Analysis of Genome-Wide Association Studies Identifies Three Loci Associated With Stiffness Index of the Calcaneus. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1275-1283.	3.1	8
72	Pharmacogenomics Study for Raloxifene in Postmenopausal Female with Osteoporosis. <i>Disease Markers</i> , 2020, 2020, 1-8.	0.6	8

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73	Novel Vitamin D Receptor Mutations in Hereditary Vitamin D Resistant Rickets in Chinese. PLoS ONE, 2015, 10, e0138152.	1.1	8
74	Correlation of HAMP gene polymorphisms and expression with the susceptibility and length of hospital stays in Taiwanese children with Kawasaki disease. Oncotarget, 2017, 8, 51859-51868.	0.8	8
75	Losses of cytokines and chemokines are common genetic features of human cancers: the somatic copy number alterations are correlated with patient prognoses and therapeutic resistance. OncoImmunology, 2018, 7, e1468951.	2.1	7
76	Pharmacogenomics in Personalized Medicine and Drug Metabolism. BioMed Research International, 2014, 2014, 1-1.	0.9	6
77	Osteoporosis increases subsequent risk of gallstone: a nationwide population-based cohort study in Taiwan. BMC Gastroenterology, 2014, 14, 192.	0.8	6
78	rs657075 (CSF2) Is Associated with the Disease Phenotype (BAS-G) of Ankylosing Spondylitis. International Journal of Molecular Sciences, 2017, 18, 83.	1.8	6
79	Endosomal TLR3 co-receptor CLEC18A enhances host immune response to viral infection. Communications Biology, 2021, 4, 229.	2.0	6
80	Integrative bioinformatic analyses of an oncogenomic profile reveal the biology of endometrial cancer and guide drug discovery. Oncotarget, 2016, 7, 5909-5923.	0.8	6
81	Genome-wide association study identifies genetic risk loci for adiposity in a Taiwanese population. PLoS Genetics, 2022, 18, e1009952.	1.5	6
82	The Influence of <i>BMX</i> Gene Polymorphisms on Clinical Symptoms after Mild Traumatic Brain Injury. BioMed Research International, 2014, 2014, 1-7.	0.9	5
83	Functional correlations between CXCL10/IP10 gene polymorphisms and risk of Kawasaki disease. Pediatric Allergy and Immunology, 2021, 32, 363-370.	1.1	5
84	Polygenic Risk Score of Adolescent Idiopathic Scoliosis for Potential Clinical Use. Journal of Bone and Mineral Research, 2020, 36, 1481-1491.	3.1	5
85	Aspirin and Sulindac act via different mechanisms to inhibit store-operated calcium channel: Implications for colorectal cancer metastasis. Biomedicine and Pharmacotherapy, 2022, 145, 112476.	2.5	5
86	Genotypic Diversity of Ciprofloxacin Nonsusceptibility and Its Relationship with Minimum Inhibitory Concentrations in Nontyphoidal Salmonella Clinical Isolates in Taiwan. Antibiotics, 2021, 10, 1383.	1.5	5
87	Quantitative determination of human IgA subclasses and their Fc glycosylation patterns in plasma by using a peptide analogue internal standard and ultra-high performance liquid chromatography/triple quadrupole mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8606.	0.7	4
88	Clinical Mass Spectrometry Discovered Human IgG Sialylation as a Potential Biosignature for Kidney Function. Journal of Personalized Medicine, 2021, 11, 761.	1.1	4
89	Genetic Association of the Functional WDR4 Gene in Male Fertility. Journal of Personalized Medicine, 2021, 11, 760.	1.1	4
90	Modeling-Based Estimate of the Vaccination Rate, Lockdown Rules and COVID-19. Healthcare (Switzerland), 2021, 9, 1245.	1.0	4

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91	Association Study between the FTCDNL1 (FONG) and Susceptibility to Osteoporosis. PLoS ONE, 2015, 10, e0140549.	1.1	4
92	Bioinformatic analyses revealed underlying biological functions correlated with oxaliplatin responsiveness. Tumor Biology, 2016, 37, 583-590.	0.8	3
93	Association of UBE3C Variants with Reduced Kidney Function in Patients with Diabetic Kidney Disease. Journal of Personalized Medicine, 2020, 10, 210.	1.1	3
94	Editorial: Big Data, Pharmacogenomics and Real-World Research in Pharmacology. Frontiers in Pharmacology, 2020, 11, 1239.	1.6	3
95	Using Tâ€cell repertoire profiles as predictor in a primary mucosal melanoma. Clinical and Translational Medicine, 2020, 10, e136.	1.7	3
96	Prognostic Effect of Comorbid Disease and Immune Gene Expression on Mortality in Kidney Cancerâ€A Population Based Study. Cancers, 2020, 12, 1654.	1.7	3
97	Increased short- and long-term risk of sleep disorders in people with traumatic brain injury. Neuropsychological Rehabilitation, 2021, 31, 211-230.	1.0	3
98	The role of genetic polymorphisms in STIM1 and ORAI1 for erythropoietin resistance in patients with renal failure. Medicine (United States), 2021, 100, e25243.	0.4	3
99	Investigation of dual antiplatelet therapy after coronary stenting in patients with chronic kidney disease. PLoS ONE, 2021, 16, e0255645.	1.1	3
100	Cancer and mTOR inhibitors in kidney transplantation recipients. PeerJ, 2018, 6, e5864.	0.9	3
101	Efficacy and safety of Duhuo Jisheng Decoction add-on bisphosphonate medications in patients with osteoporosis: A meta-analysis of randomized controlled trials. Journal of Ethnopharmacology, 2022, 283, 114732.	2.0	3
102	Associations of genetic variants of endothelin with cardiovascular complications in patients with renal failure. BMC Nephrology, 2017, 18, 291.	0.8	2
103	Genomic interrogation of familial short stature contributes to the discovery of the pathophysiological mechanisms and pharmaceutical drug repositioning. Journal of Biomedical Science, 2019, 26, 91.	2.6	2
104	Genetic loci determining total immunoglobulin E levels from birth through adulthood. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 621-625.	2.7	2
105	Germline Genetic Association between Stromal Interaction Molecule 1 (STIM1) and Clinical Outcomes in Breast Cancer Patients. Journal of Personalized Medicine, 2020, 10, 287.	1.1	2
106	Single-cell melanoma transcriptomes depicting functional versatility and clinical implications of STIM1 in the tumor microenvironment. Theranostics, 2021, 11, 5092-5106.	4.6	2
107	Lung Cancer On Chip for Testing Immunotherapy. , 2021, , .		2
108	The Effectiveness and Safety of Immune Checkpoint Inhibitors in Non-Small Cell Lung Cancer Patients With Stage III/IV: A Multicenter Study. Frontiers in Oncology, 2021, 11, 671127.	1.3	2

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109	Long Noncoding RNA NTT Context-Dependently Regulates MYB by Interacting With Activated Complex in Hepatocellular Carcinoma Cells. <i>Frontiers in Oncology</i> , 2021, 11, 592045.	1.3	2
110	Application of Whole Exome Sequencing and Functional Annotations to Identify Genetic Variants Associated with Marfan Syndrome. <i>Journal of Personalized Medicine</i> , 2022, 12, 198.	1.1	2
111	Association between oral cavity cancer and depression: A population-based study in Taiwan. <i>Oral Oncology</i> , 2014, 50, e21-e22.	0.8	1
112	Integrative genomic analysis for the functional roles of <i>ITPKC</i> in bone mineral density. <i>Bioscience Reports</i> , 2018, 38, .	1.1	1
113	Evaluation for the Genetic Association between Store-Operated Calcium Influx Pathway (STIM1 and) Tj ETQq1 1 0.784314 rgBT /Overbo 2020, 9, 388.	1.3	1
114	Gender Differences in Genetic Associations of RAB38 with Urinary Protein-to-Creatinine Ratio (UPCR) Levels in Diabetic Nephropathy Patients. <i>Journal of Personalized Medicine</i> , 2020, 10, 184.	1.1	1
115	Effects of osteoporosis medications on bone fracture in patients with chronic kidney disease. <i>Postgraduate Medical Journal</i> , 2023, 99, 340-349.	0.9	1
116	Dynamic Changes of Platelet and Factors Related Dengue Haemorrhagic Fever: A Retrospective Study in Indonesian. <i>Diagnostics</i> , 2022, 12, 950.	1.3	1
117	Association of endothelin genetic variants and hospitalized infection complications in end-stage renal disease (ESRD) patients. <i>BMC Nephrology</i> , 2019, 20, 203.	0.8	0
118	Single-nucleotide polymorphism of rs7944135 (macrophage-expressed gene 1) is associated with hepatitis B surface antigen seroclearance in chronic hepatitis B infection. <i>Medicine (United States)</i> , 2019, 98, e17936.	0.4	0
119	Profiling of T-cell Repertoire in biologic-treated patients with rheumatoid arthritis. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO4-10-27.	0.0	0
120	Losses of cytokines and chemokines are common genetic features of human cancers: the somatic copy number alterations are correlated with patient prognoses and therapeutic resistance. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-8-26.	0.0	0