

Han-Chung Wu

List of Publications by Citations

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115
papers

4,027
citations

33
h-index

60
g-index

135
ext. papers

5,027
ext. citations

7.5
avg, IF

5.63
L-index

#	Paper	IF	Citations
115	Development of therapeutic antibodies for the treatment of diseases. <i>Journal of Biomedical Science</i> , 2020 , 27, 1	13.3	568
114	Antibodies to envelope glycoprotein of dengue virus during the natural course of infection are predominantly cross-reactive and recognize epitopes containing highly conserved residues at the fusion loop of domain II. <i>Journal of Virology</i> , 2008 , 82, 6631-43	6.6	219
113	Advancement and applications of peptide phage display technology in biomedical science. <i>Journal of Biomedical Science</i> , 2016 , 23, 8	13.3	165
112	Hepatocellular carcinoma cell-specific peptide ligand for targeted drug delivery. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 579-89	6.1	136
111	High levels of plasma dengue viral load during defervescence in patients with dengue hemorrhagic fever: implications for pathogenesis. <i>Virology</i> , 2003 , 305, 330-8	3.6	135
110	Peptide-mediated targeting to tumor blood vessels of lung cancer for drug delivery. <i>Cancer Research</i> , 2007 , 67, 10958-65	10.1	123
109	Potential dengue virus-triggered apoptotic pathway in human neuroblastoma cells: arachidonic acid, superoxide anion, and NF-kappaB are sequentially involved. <i>Journal of Virology</i> , 2000 , 74, 8680-91	6.6	105
108	Epithelial cell adhesion molecule regulation is associated with the maintenance of the undifferentiated phenotype of human embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 8719-32	5.4	101
107	Single chain anti-c-Met antibody conjugated nanoparticles for in vivo tumor-targeted imaging and drug delivery. <i>Biomaterials</i> , 2011 , 32, 3265-74	15.6	97
106	A novel peptide enhances therapeutic efficacy of liposomal anti-cancer drugs in mice models of human lung cancer. <i>PLoS ONE</i> , 2009 , 4, e4171	3.7	94
105	Antiangiogenic targeting liposomes increase therapeutic efficacy for solid tumors. <i>Journal of Biological Chemistry</i> , 2009 , 284, 12905-16	5.4	88
104	Peptide-conjugated nanoparticles for targeted imaging and therapy of prostate cancer. <i>Biomaterials</i> , 2016 , 99, 1-15	15.6	82
103	Epithelial cell adhesion molecule regulates tumor initiation and tumorigenesis via activating reprogramming factors and epithelial-mesenchymal transition gene expression in colon cancer. <i>Journal of Biological Chemistry</i> , 2012 , 287, 39449-59	5.4	80
102	Molecular mimicry of human endothelial cell antigen by autoantibodies to nonstructural protein 1 of dengue virus. <i>Journal of Biological Chemistry</i> , 2011 , 286, 9726-36	5.4	72
101	A novel peptide specifically binding to nasopharyngeal carcinoma for targeted drug delivery. <i>Cancer Research</i> , 2004 , 64, 8002-8	10.1	71
100	USP11 regulates PML stability to control Notch-induced malignancy in brain tumours. <i>Nature Communications</i> , 2014 , 5, 3214	17.4	62
99	Analysis of epitopes on dengue virus envelope protein recognized by monoclonal antibodies and polyclonal human sera by a high throughput assay. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1447	4.8	56

98	Antibody conjugated supported lipid bilayer for capturing and purification of viable tumor cells in blood for subsequent cell culture. <i>Biomaterials</i> , 2013 , 34, 5191-9	15.6	50
97	Surface marker epithelial cell adhesion molecule and E-cadherin facilitate the identification and selection of induced pluripotent stem cells. <i>Stem Cell Reviews and Reports</i> , 2011 , 7, 722-35	6.4	48
96	Podocalyxin-like 1 promotes invadopodia formation and metastasis through activation of Rac1/Cdc42/cortactin signaling in breast cancer cells. <i>Carcinogenesis</i> , 2014 , 35, 2425-35	4.6	46
95	Transcription factor SOX-5 enhances nasopharyngeal carcinoma progression by down-regulating SPARC gene expression. <i>Journal of Pathology</i> , 2008 , 214, 445-55	9.4	46
94	Targeted drug delivery systems mediated by a novel Peptide in breast cancer therapy and imaging. <i>PLoS ONE</i> , 2013 , 8, e66128	3.7	45
93	EEnolase-binding peptide enhances drug delivery efficiency and therapeutic efficacy against colorectal cancer. <i>Science Translational Medicine</i> , 2015 , 7, 290ra91	17.5	41
92	DNA methylation and histone modification regulate silencing of OPG during tumor progression. <i>Journal of Cellular Biochemistry</i> , 2009 , 108, 315-25	4.7	41
91	Trypsin inhibitor from the seeds of <i>Acacia confusa</i> . <i>Journal of Biochemistry</i> , 1991 , 110, 879-83	3.1	41
90	Phosphorylation regulates NCC stability and transporter activity in vivo. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 1587-97	12.7	40
89	Identification of B-cell epitope of dengue virus type 1 and its application in diagnosis of patients. <i>Journal of Clinical Microbiology</i> , 2001 , 39, 977-82	9.7	40
88	Effect of SARS-CoV-2 B.1.1.7 mutations on spike protein structure and function. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 731-739	17.6	40
87	Cellulose-based diagnostic devices for diagnosing serotype-2 dengue fever in human serum. <i>Advanced Healthcare Materials</i> , 2014 , 3, 187-96	10.1	39
86	MicroRNA-1 induces apoptosis by targeting prothymosin alpha in nasopharyngeal carcinoma cells. <i>Journal of Biomedical Science</i> , 2011 , 18, 80	13.3	39
85	Antisense oligonucleotides to corticotropin-releasing factor impair memory retention and increase exploration in rats. <i>Neuroscience</i> , 1997 , 78, 147-53	3.9	37
84	Identification of a dengue virus type 2 (DEN-2) serotype-specific B-cell epitope and detection of DEN-2-immunized animal serum samples using an epitope-based peptide antigen. <i>Journal of General Virology</i> , 2003 , 84, 2771-2779	4.9	36
83	Ebselen alleviates testicular pathology in mice with Zika virus infection and prevents its sexual transmission. <i>PLoS Pathogens</i> , 2018 , 14, e1006854	7.6	34
82	Astrocyte elevated gene-1 is associated with metastasis in head and neck squamous cell carcinoma through p65 phosphorylation and upregulation of MMP1. <i>Molecular Cancer</i> , 2013 , 12, 109	42.1	33
81	The complete amino acid sequence of a Kunitz family trypsin inhibitor from seeds of <i>Acacia confusa</i> . <i>Journal of Biochemistry</i> , 1993 , 113, 258-63	3.1	33

80	An anti-EpCAM antibody EpAb2-6 for the treatment of colon cancer. <i>Oncotarget</i> , 2015 , 6, 24947-68	3.3	32
79	IGFBP-6 plays a role as an oncosuppressor gene in NPC pathogenesis through regulating EGR-1 expression. <i>Journal of Pathology</i> , 2010 , 222, 299-309	9.4	32
78	Peptide-mediated liposomal Doxorubicin enhances drug delivery efficiency and therapeutic efficacy in animal models. <i>PLoS ONE</i> , 2013 , 8, e83239	3.7	31
77	A multifunctional nanocarrier for efficient TRAIL-based gene therapy against hepatocellular carcinoma with desmoplasia in mice. <i>Hepatology</i> , 2018 , 67, 899-913	11.2	30
76	Development of a humanized antibody with high therapeutic potential against dengue virus type 2. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1636	4.8	30
75	Characterization of neutralizing antibodies and identification of neutralizing epitope mimics on the Clostridium botulinum neurotoxin type A. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 3201-7	4.8	30
74	Podocalyxin-like 1 is associated with tumor aggressiveness and metastatic gene expression in human oral squamous cell carcinoma. <i>International Journal of Oncology</i> , 2014 , 45, 710-8	4.4	29
73	Disease-specific B Cell epitopes for serum antibodies from patients with severe acute respiratory syndrome (SARS) and serologic detection of SARS antibodies by epitope-based peptide antigens. <i>Journal of Infectious Diseases</i> , 2004 , 190, 797-809	7	29
72	Extracellular domain of EpCAM enhances tumor progression through EGFR signaling in colon cancer cells. <i>Cancer Letters</i> , 2018 , 433, 165-175	9.9	29
71	CHC promotes tumor growth and angiogenesis through regulation of HIF-1 α and VEGF signaling. <i>Cancer Letters</i> , 2013 , 331, 58-67	9.9	28
70	Lung Cancer-Targeting Peptides with Multi-subtype Indication for Combinational Drug Delivery and Molecular Imaging. <i>Theranostics</i> , 2017 , 7, 1612-1632	12.1	28
69	EpEX/EpCAM and Oct4 or Klf4 alone are sufficient to generate induced pluripotent stem cells through STAT3 and HIF2 α . <i>Scientific Reports</i> , 2017 , 7, 41852	4.9	27
68	Panobinostat sensitizes KRAS-mutant non-small-cell lung cancer to gefitinib by targeting TAZ. <i>International Journal of Cancer</i> , 2017 , 141, 1921-1931	7.5	27
67	Peptide-mediated liposomal drug delivery system targeting tumor blood vessels in anticancer therapy. <i>Journal of Oncology</i> , 2010 , 2010, 723798	4.5	27
66	Hepatoma-derived growth factor/nucleolin axis as a novel oncogenic pathway in liver carcinogenesis. <i>Oncotarget</i> , 2015 , 6, 16253-70	3.3	27
65	MDM2 expression in EBV-infected nasopharyngeal carcinoma cells. <i>Laboratory Investigation</i> , 2004 , 84, 1547-56	5.9	26
64	The combination of tetraiodothyroacetic acid and cetuximab inhibits cell proliferation in colorectal cancers with different K-ras status. <i>Steroids</i> , 2016 , 111, 63-70	2.8	26
63	Structure-based optimization of GRP78-binding peptides that enhances efficacy in cancer imaging and therapy. <i>Biomaterials</i> , 2016 , 94, 31-44	15.6	26

62	Generation and characterization of monoclonal antibodies against dengue virus type 1 for epitope mapping and serological detection by epitope-based peptide antigens. <i>Vaccine Journal</i> , 2007 , 14, 404-11		24
61	Response of nasopharyngeal carcinoma cells to Epstein-Barr virus infection in vitro. <i>Laboratory Investigation</i> , 2000 , 80, 1149-60	5.9	23
60	Krüppel-like factor 4 is involved in cell scattering induced by hepatocyte growth factor. <i>Journal of Cell Science</i> , 2012 , 125, 4853-64	5.3	22
59	Functional analysis of EBV in nasopharyngeal carcinoma cells. <i>Laboratory Investigation</i> , 2003 , 83, 797-812	5.9	22
58	NOLC1, an enhancer of nasopharyngeal carcinoma progression, is essential for TP53 to regulate MDM2 expression. <i>American Journal of Pathology</i> , 2009 , 175, 342-54	5.8	21
57	Thyroid Hormone Promotes β Catenin Activation and Cell Proliferation in Colorectal Cancer. <i>Hormones and Cancer</i> , 2018 , 9, 156-165	5	17
56	Monoclonal antibodies for COVID-19 therapy and SARS-CoV-2 detection.. <i>Journal of Biomedical Science</i> , 2022 , 29, 1	13.3	17
55	Biomimicking Platelet-Monocyte Interactions as a Novel Targeting Strategy for Heart Healing. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2686-2697	10.1	16
54	Site-specific antibody modification and immobilization on a microfluidic chip to promote the capture of circulating tumor cells and microemboli. <i>Chemical Communications</i> , 2017 , 53, 4152-4155	5.8	15
53	G protein beta2 subunit antisense oligonucleotides inhibit cell proliferation and disorganize microtubule and mitotic spindle organization. <i>Journal of Cellular Biochemistry</i> , 2001 , 83, 136-46	4.7	15
52	Hepatocellular carcinoma-targeted nanoparticles for cancer therapy. <i>International Journal of Oncology</i> , 2018 , 52, 389-401	4.4	14
51	An Epitope-Substituted DNA Vaccine Improves Safety and Immunogenicity against Dengue Virus Type 2. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003903	4.8	14
50	Epitope resurfacing on dengue virus-like particle vaccine preparation to induce broad neutralizing antibody. <i>ELife</i> , 2018 , 7,	8.9	14
49	Minocycline suppresses dengue virus replication by down-regulation of macrophage migration inhibitory factor-induced autophagy. <i>Antiviral Research</i> , 2018 , 155, 28-38	10.8	13
48	PTPN3 suppresses lung cancer cell invasiveness by counteracting Src-mediated DAAM1 activation and actin polymerization. <i>Oncogene</i> , 2019 , 38, 7002-7016	9.2	13
47	Identification of a rat brain gene associated with aging by PCR differential display method. <i>Journal of Molecular Neuroscience</i> , 1997 , 8, 13-8	3.3	13
46	Effect of Epstein-Barr virus infection on global gene expression in nasopharyngeal carcinoma. <i>Functional and Integrative Genomics</i> , 2007 , 7, 79-93	3.8	13
45	Sonic hedgehog antagonists induce cell death in acute myeloid leukemia cells with the presence of lipopolysaccharides, tumor necrosis factor- α or interferons. <i>Investigational New Drugs</i> , 2013 , 31, 823-32	4.3	12

44	Age-dependent increase in C7-1 gene expression in rat frontal cortex. <i>Molecular Brain Research</i> , 2000 , 75, 330-6		12
43	Design and Synthesis of 1,2-Bis(hydroxymethyl)pyrrolo[2,1- a]phthalazine Hybrids as Potent Anticancer Agents that Inhibit Angiogenesis and Induce DNA Interstrand Cross-links. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 2404-2418	8.3	12
42	Liposomal paclitaxel induces fewer hematopoietic and cardiovascular complications than bioequivalent doses of Taxol. <i>International Journal of Oncology</i> , 2018 , 53, 1105-1117	4.4	11
41	EpCAM Signaling Promotes Tumor Progression and Protein Stability of PD-L1 through the EGFR Pathway. <i>Cancer Research</i> , 2020 , 80, 5035-5050	10.1	11
40	Improving dengue viral antigens detection in dengue patient serum specimens using a low pH glycine buffer treatment. <i>Journal of Microbiology, Immunology and Infection</i> , 2017 , 50, 167-174	8.5	10
39	Novel human Ab against vascular endothelial growth factor receptor 2 shows therapeutic potential for leukemia and prostate cancer. <i>Cancer Science</i> , 2019 , 110, 3773-3787	6.9	10
38	Generation of an anti-EpCAM antibody and epigenetic regulation of EpCAM in colorectal cancer. <i>International Journal of Oncology</i> , 2015 , 46, 1788-800	4.4	10
37	ENO1 Promotes Lung Cancer Metastasis via HGFR and WNT Signaling-Driven Epithelial-to-Mesenchymal Transition. <i>Cancer Research</i> , 2021 , 81, 4094-4109	10.1	10
36	Nucleolin antisense oligodeoxynucleotides induce apoptosis and may be used as a potential drug for nasopharyngeal carcinoma therapy. <i>Oncology Reports</i> , 2012 , 27, 94-100	3.5	9
35	G protein beta subunit is closely associated with microtubules. <i>Journal of Cellular Biochemistry</i> , 1998 , 70, 553-62	4.7	9
34	Novel GM1 ganglioside-like peptide mimics prevent the association of cholera toxin to human intestinal epithelial cells in vitro. <i>Glycobiology</i> , 2016 , 26, 63-73	5.8	8
33	Novel anti-EGFR scFv human antibody-conjugated immunoliposomes enhance chemotherapeutic efficacy in squamous cell carcinoma of head and neck. <i>Oral Oncology</i> , 2020 , 106, 104689	4.4	8
32	Rapid generation of mouse model for emerging infectious disease with the case of severe COVID-19. <i>PLoS Pathogens</i> , 2021 , 17, e1009758	7.6	8
31	Dengue and Zika Virus Domain III-Flagellin Fusion and Glycan-Masking E Antigen for Prime-Boost Immunization. <i>Theranostics</i> , 2019 , 9, 4811-4826	12.1	7
30	Generation of Monoclonal Antibodies against Dengue Virus Type 4 and Identification of Enhancing Epitopes on Envelope Protein. <i>PLoS ONE</i> , 2015 , 10, e0136328	3.7	7
29	Rapid separation of acetophenone and its monohydroxy isomers by capillary electrophoresis. <i>Chinese Chemical Letters</i> , 2013 , 24, 833-836	8.1	6
28	Cytochrome C release induces apoptosis of nasopharyngeal carcinoma (NPC) by antitumor glyfoline. <i>Planta Medica</i> , 2005 , 71, 28-32	3.1	6
27	Antibody cocktail effective against variants of SARS-CoV-2. <i>Journal of Biomedical Science</i> , 2021 , 28, 80	13.3	6

26	Structure-guided antibody cocktail for prevention and treatment of COVID-19. <i>PLoS Pathogens</i> , 2021 , 17, e1009704	7.6	6
25	Structure-activity relationships of B.1.617 and other SARS-CoV-2 spike variants		6
24	The extracellular domain of epithelial cell adhesion molecule (EpCAM) enhances multipotency of mesenchymal stem cells through EGFR-LIN28-LET7 signaling. <i>Journal of Biological Chemistry</i> , 2019 , 294, 7769-7786	5.4	5
23	Subtype-specific binding peptides enhance the therapeutic efficacy of nanomedicine in the treatment of ovarian cancer. <i>Cancer Letters</i> , 2015 , 360, 39-47	9.9	5
22	Oestrogen receptor-regulated glutathione S-transferase mu 3 expression attenuates hydrogen peroxide-induced cytotoxicity, which confers tamoxifen resistance on breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2018 , 172, 45-59	4.4	5
21	The association of heterotrimeric GTP-binding protein (Go) with microtubules. <i>Journal of Biomedical Science</i> , 2001 , 8, 349-58	13.3	5
20	Small G protein signalling modulator 2 (SGSM2) is involved in oestrogen receptor-positive breast cancer metastasis through enhancement of migratory cell adhesion via interaction with E-cadherin. <i>Cell Adhesion and Migration</i> , 2019 , 13, 120-137	3.2	4
19	Novel monoclonal antibody against integrin B shows therapeutic potential for ovarian cancer. <i>Cancer Science</i> , 2020 , 111, 3478-3492	6.9	4
18	Imaging and biodistribution of radiolabeled SP90 peptide in BT-483 tumor bearing mice. <i>Applied Radiation and Isotopes</i> , 2020 , 161, 109162	1.7	3
17	In vitro evaluation of the L-peptide modified magnetic lipid nanoparticles as targeted magnetic resonance imaging contrast agent for the nasopharyngeal cancer. <i>Journal of Biomaterials Applications</i> , 2013 , 28, 580-94	2.9	3
16	CXCL14 Maintains hESC Self-Renewal through Binding to IGF-1R and Activation of the IGF-1R Pathway. <i>Cells</i> , 2020 , 9,	7.9	3
15	Identification of COVID-19 B-cell epitopes with phage-displayed peptide library. <i>Journal of Biomedical Science</i> , 2021 , 28, 43	13.3	3
14	Establishment and Comparison of Two Different Diagnostic Platforms for Detection of DENV1 NS1 Protein. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 27850-64	6.3	2
13	Generation and Characterization of Antinonstructural Protein 1 Monoclonal Antibodies and Development of Diagnostics for Dengue Virus Serotype 2. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017 , 97, 1049-1061	3.2	2
12	Impacts on the structure-function relationship of SARS-CoV-2 spike by B.1.1.7 mutations		2
11	The association of heterotrimeric GTP-binding protein (Go) with microtubules 2001 , 8, 349		1
10	Monoclonal Antibodies against Nucleocapsid Protein of SARS-CoV-2 Variants for Detection of COVID-19. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
9	Homogeneous antibody and CAR-T cells with improved effector functions targeting SSEA-4 glycan on pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1

8	Combined Effect of Anti-SSEA4 and Anti-Globo H Antibodies on Breast Cancer Cells. <i>ACS Chemical Biology</i> , 2021 , 16, 1526-1537	4.9	○
7	α2,6-sialic acid/IgG anti-dsDNA ratios correlate with human lupus disease activity and possible mechanisms: A pilot study.. <i>Lupus</i> , 2022 , 9612033221099766	2.6	○
6	Immunoassays: Cellulose-Based Diagnostic Devices for Diagnosing Serotype-2 Dengue Fever in Human Serum (Adv. Healthcare Mater. 2/2014). <i>Advanced Healthcare Materials</i> , 2014 , 3, 154-154	10.1	
5	Using Non-Destructive Analysis Techniques to Examine the Artworks of Taiwanese Artist Cheng-Po Chen (1895-1947). <i>Journal of the Chinese Chemical Society</i> , 2013 , 60, 1127-1134	1.5	
4	Peptide Targeting Methods 2020 , 451-488		
3	Nature-inspired design of tetraindoles: Optimization of the core structure and evaluation of structure-activity relationship. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 4497-4503	2.9	
2	Evaluation of seasonal variation of major chemical parameters in the estuaries of southwestern Taiwan. <i>Environmental Forensics</i> , 1-10	1.6	
1	NOTCH1 signaling promotes protein stability of HER3 through the AKT pathway in squamous cell carcinoma of head and neck. <i>Oncogenesis</i> , 2021 , 10, 59	6.6	