

# Shih-Chung Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

3,237  
citations

567281

15  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3492  
citing authors

#	ARTICLE	IF	CITATIONS
1	An IFN- $\gamma$ -induced aminopeptidase in the ER, ERAP1, trims precursors to MHC class I-presented peptides. <i>Nature Immunology</i> , 2002, 3, 1169-1176.	14.5	486
2	Docking of the Proteasomal ATPases' Carboxyl Termini in the 20S Proteasome's $\beta$ Ring Opens the Gate for Substrate Entry. <i>Molecular Cell</i> , 2007, 27, 731-744.	9.7	460
3	The ER aminopeptidase ERAP1 enhances or limits antigen presentation by trimming epitopes to 8-9 residues. <i>Nature Immunology</i> , 2002, 3, 1177-1184.	14.5	448
4	Mechanism of Gate Opening in the 20S Proteasome by the Proteasomal ATPases. <i>Molecular Cell</i> , 2008, 30, 360-368.	9.7	334
5	The ER aminopeptidase, ERAP1, trims precursors to lengths of MHC class I peptides by a "molecular ruler" mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17107-17112.	7.1	283
6	Immune Selection for Altered Antigen Processing Leads to Cytotoxic T Lymphocyte Escape in Chronic HIV-1 Infection. <i>Journal of Experimental Medicine</i> , 2004, 199, 905-915.	8.5	266
7	Suppression of Klotho expression by protein-bound uremic toxins is associated with increased DNA methyltransferase expression and DNA hypermethylation. <i>Kidney International</i> , 2012, 81, 640-650.	5.2	234
8	Uremic Toxins Induce Kidney Fibrosis by Activating Intrarenal Renin-Angiotensin-Aldosterone System Associated Epithelial-to-Mesenchymal Transition. <i>PLoS ONE</i> , 2012, 7, e34026.	2.5	217
9	Structural basis for antigenic peptide precursor processing by the endoplasmic reticulum aminopeptidase ERAP1. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 604-613.	8.2	176
10	The Internal Sequence of the Peptide-Substrate Determines Its N-Terminus Trimming by ERAP1. <i>PLoS ONE</i> , 2008, 3, e3658.	2.5	82
11	Regulation of the catalytic behaviour of L-form starch phosphorylase from sweet potato roots by proteolysis. <i>Physiologia Plantarum</i> , 2002, 114, 506-515.	5.2	50
12	Multi-antigen avian influenza a (H7N9) virus-like particles: particulate characterizations and immunogenicity evaluation in murine and avian models. <i>BMC Biotechnology</i> , 2017, 17, 2.	3.3	32
13	BLMP-1/Blimp-1 Regulates the Spatiotemporal Cell Migration Pattern in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2014, 10, e1004428.	3.5	27
14	Hemojuvelin Modulates Iron Stress During Acute Kidney Injury: Improved by Furin Inhibitor. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1181-1194.	5.4	19
15	The Molecular Determinants of NEDD8 Specific Recognition by Human SENP8. <i>PLoS ONE</i> , 2011, 6, e27742.	2.5	18
16	Plastidial Starch Phosphorylase in Sweet Potato Roots Is Proteolytically Modified by Protein-Protein Interaction with the 20S Proteasome. <i>PLoS ONE</i> , 2012, 7, e35336.	2.5	14
17	Western Blotting by Thin-Film Direct Coating. <i>Analytical Chemistry</i> , 2014, 86, 5164-5170.	6.5	11
18	Easy and Fast Western Blotting by Thin-Film Direct Coating with Suction. <i>Analytical Chemistry</i> , 2016, 88, 6349-6356.	6.5	11

#	ARTICLE	IF	CITATIONS
19	GAGE mediates radio resistance in cervical cancers via the regulation of chromatin accessibility. <i>Cell Reports</i> , 2021, 36, 109621.	6.4	10
20	Neutralizing Monoclonal Antibodies Inhibit SARS-CoV-2 Infection through Blocking Membrane Fusion. <i>Microbiology Spectrum</i> , 2022, 10, e0181421.	3.0	9
21	Biochemical characterization of the small ubiquitin-like modifiers of <i>Chlamydomonas reinhardtii</i> . <i>Planta</i> , 2010, 232, 649-662.	3.2	8
22	The molecular determinants for distinguishing between ubiquitin and NEDD8 by USP2. <i>Scientific Reports</i> , 2017, 7, 2304.	3.3	8
23	Development and characterization of mouse monoclonal antibodies targeting to distinct epitopes of Zika virus envelope protein for specific detection of Zika virus. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 4663-4673.	3.6	8
24	Glycosylation at hemagglutinin Asn-167 protects the H6N1 avian influenza virus from tryptic cleavage at Arg-201 and maintains the viral infectivity. <i>Virus Research</i> , 2015, 197, 101-107.	2.2	7
25	Development of mouse monoclonal antibody for detecting hemagglutinin of avian influenza A(H7N9) virus and preventing virus infection. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3235-3248.	3.6	7
26	Plastidial $\alpha$ -glucan phosphorylase 1 complexes with disproportionating enzyme 1 in <i>Ipomoea batatas</i> storage roots for elevating malto-oligosaccharide metabolism. <i>PLoS ONE</i> , 2017, 12, e0177115.	2.5	6
27	Development and biochemical characterization of the monoclonal antibodies for specific detection of the emerging H5N8 and H5Nx avian influenza virus hemagglutinins. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 235-245.	3.6	3
28	Neutralization or enhancement of SARS-CoV-2 infection by a monoclonal antibody targeting a specific epitope in the spike receptor-binding domain. <i>Antiviral Research</i> , 2022, 200, 105290.	4.1	3