Tsung-Hsien Chuang

List of Publications by Year
in descending order

69	11,759	186265 28	102487 66
papers	citations	h-index	g-index

71	71	71	24848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Leptospiral lipopolysaccharide activates cells through a TLR2-dependent mechanism. Nature Immunology, 2001, 2, 346-352.	14.5	637
4	Triad3A, an E3 ubiquitin-protein ligase regulating Toll-like receptors. Nature Immunology, 2004, 5, 495-502.	14.5	349
5	Identification of hTLR10: a novel human Toll-like receptor preferentially expressed in immune cells. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1518, 157-161.	2.4	328
6	Tumor-Associated Macrophages Regulate Murine Breast Cancer Stem Cells Through a Novel Paracrine EGFR/Stat3/Sox-2 Signaling Pathway. Stem Cells, 2013, 31, 248-258.	3.2	231
7	Activation of anti-hepatitis C virus responses via Toll-like receptor 7. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1828-1833.	7.1	188
8	The E3 Ubiquitin Ligase Triad3A Negatively Regulates the RIG-I/MAVS Signaling Pathway by Targeting TRAF3 for Degradation. PLoS Pathogens, 2009, 5, e1000650.	4.7	159
9	TLR-induced PAI-2 expression suppresses IL-1Î² processing via increasing autophagy and NLRP3 degradation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16079-16084.	7.1	130
10	Glycolysis regulates the expansion of myeloid-derived suppressor cells in tumor-bearing hosts through prevention of ROS-mediated apoptosis. Cell Death and Disease, 2017, 8, e2779-e2779.	6.3	114
11	Toll-like receptor 9 mediates CpG-DNA signaling. Journal of Leukocyte Biology, 2002, 71, 538-44.	3.3	111
12	CD133/Src Axis Mediates Tumor Initiating Property and Epithelial-Mesenchymal Transition of Head and Neck Cancer. PLoS ONE, 2011, 6, e28053.	2.5	105
13	Toll-like receptor 9 and 21 have different ligand recognition profiles and cooperatively mediate activity of CpG-oligodeoxynucleotides in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20711-20716.	7.1	105
14	A five-amino-acid motif in the undefined region of the TLR8 ectodomain is required for species-specific ligand recognition. Molecular Immunology, 2010, 47, 1083-1090.	2.2	93
15	Regulation of autophagy by E3 ubiquitin ligase RNF216 through BECN1 ubiquitination. Autophagy, 2014, 10, 2239-2250.	9.1	93
16	Triad3A Regulates Ubiquitination and Proteasomal Degradation of RIP1 following Disruption of Hsp90 Binding. Journal of Biological Chemistry, 2006, 281, 34592-34600.	3.4	85
17	Functional interaction of heat shock protein 90 and Beclin 1 modulates Tollâ€like receptorâ€mediated autophagy. FASEB Journal, 2011, 25, 2700-2710.	0.5	82
18	Mitochondrial Lon-induced mtDNA leakage contributes to PD-L1â€“mediated immunoescape via STING-IFN signaling and extracellular vesicles. , 2020, 8, e001372.		77

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19	Targeting LIN28B reprograms tumor glucose metabolism and acidic microenvironment to suppress cancer stemness and metastasis. Oncogene, 2019, 38, 4527-4539.	5.9	63
20	Natural Modulators of Endosomal Toll-Like Receptor-Mediated Psoriatic Skin Inflammation. Journal of Immunology Research, 2017, 2017, 1-15.	2.2	60
21	USP17 mediates macrophage-promoted inflammation and stemness in lung cancer cells by regulating TRAF2/TRAF3 complex formation. Oncogene, 2018, 37, 6327-6340.	5.9	53
22	Involvement of M1 Macrophage Polarization in Endosomal Toll-Like Receptors Activated Psoriatic Inflammation. Mediators of Inflammation, 2018, 2018, 1-14.	3.0	52
23	IKKÎ² Enforces a LIN28B/TCF7L2 Positive Feedback Loop That Promotes Cancer Cell Stemness and Metastasis. Cancer Research, 2015, 75, 1725-1735.	0.9	45
24	Interplay between Inflammation and Stemness in Cancer Cells: The Role of Toll-Like Receptor Signaling. Journal of Immunology Research, 2016, 2016, 1-14.	2.2	44
25	Immunostimulatory Activities of CpG-Oligodeoxynucleotides in Teleosts: Toll-Like Receptors 9 and 21. Frontiers in Immunology, 2019, 10, 179.	4.8	40
26	A Derivative of Butyric Acid, the Fermentation Metabolite of Staphylococcus epidermidis, Inhibits the Growth of a Staphylococcus aureus Strain Isolated from Atopic Dermatitis Patients. Toxins, 2019, 11, 311.	3.4	38
27	Recent Advances in the Development of Toll-like Receptor Agonist-Based Vaccine Adjuvants for Infectious Diseases. Pharmaceutics, 2022, 14, 423.	4.5	38
28	Mycotoxin Patulin Suppresses Innate Immune Responses by Mitochondrial Dysfunction and p62/Sequestosome-1-dependent Mitophagy. Journal of Biological Chemistry, 2016, 291, 19299-19311.	3.4	36
29	Adjuvant Effect of Toll-Like Receptor 9 Activation on Cancer Immunotherapy Using Checkpoint Blockade. Frontiers in Immunology, 2020, 11, 1075.	4.8	36
30	A novel spontaneous hepatocellular carcinoma mouse model for studying T-cell exhaustion in the tumor microenvironment. , 2018, 6, 144.		30
31	Leuconostoc mesenteroides fermentation produces butyric acid and mediates Ffar2 to regulate blood glucose and insulin in type 1 diabetic mice. Scientific Reports, 2020, 10, 7928.	3.3	29
32	Cross-Regulation of Proinflammatory Cytokines by Interleukin-10 and miR-155 in Orientia tsutsugamushi-Infected Human Macrophages Prevents Cytokine Storm. Journal of Investigative Dermatology, 2016, 136, 1398-1407.	0.7	25
33	Honeysuckle (Lonicera japonica) and Huangqi (Astragalus membranaceus) Suppress SARS-CoV-2 Entry and COVID-19 Related Cytokine Storm in Vitro. Frontiers in Pharmacology, 2021, 12, 765553.	3.5	24
34	Identification of Thiostrepton as a Novel Inhibitor for Psoriasis-like Inflammation Induced by TLR7â€“9. Journal of Immunology, 2015, 195, 3912-3921.	0.8	22
35	Activation of rabbit TLR9 by different CpG-ODN optimized for mouse and human TLR9. Comparative Immunology, Microbiology and Infectious Diseases, 2012, 35, 443-451.	1.6	21
36	CpG-oligodeoxynucleotides developed for grouper toll-like receptor (TLR) 21s effectively activate mouse and human TLR9s mediated immune responses. Scientific Reports, 2017, 7, 17297.	3.3	21

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37	ILâ€6/pâ€BTK/pâ€ERK signaling mediates calcium phosphateâ€induced pruritus. FASEB Journal, 2019, 33, 12036-12046.	0.5	21
38	Gene Expression Profiling and Pathway Network Analysis Predicts a Novel Antitumor Function for a Botanical-Derived Drug, PG2. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-15.	1.2	20
39	Establishment of a mouse model for the complete mosquito-mediated transmission cycle of Zika virus. PLoS Neglected Tropical Diseases, 2018, 12, e0006417.	3.0	19
40	TLR7/8 agonists activate a mild immune response in rabbits through TLR8 but not TLR7. Vaccine, 2014, 32, 5593-5599.	3.8	18
41	Skin Cutibacterium acnes Mediates Fermentation to Suppress the Calcium Phosphate-Induced Itching: A Butyric Acid Derivative with Potential for Uremic Pruritus. Journal of Clinical Medicine, 2020, 9, 312.	2.4	18
42	Nuclear factor ÎºB (NF-ÎºB) activation primes cells to a pro-inflammatory polarized response to a Toll-like receptor 7 (TLR7) agonist. Biochemical Journal, 2009, 421, 301-310.	3.7	17
43	The Inducible Nitric-oxide Synthase (iNOS)/Src Axis Mediates Toll-like Receptor 3 Tyrosine 759 Phosphorylation and Enhances Its Signal Transduction, Leading to Interferon-Î² Synthesis in Macrophages. Journal of Biological Chemistry, 2014, 289, 9208-9220.	3.4	16
44	Ifit1 Protects Against Lipopolysaccharide and D-galactosamineâ€“Induced Fatal Hepatitis by Inhibiting Activation of the JNK Pathway. Journal of Infectious Diseases, 2015, 212, 1509-1520.	4.0	16
45	ERK Activation Modulates Cancer Stemness and Motility of a Novel Mouse Oral Squamous Cell Carcinoma Cell Line. Cancers, 2020, 12, 61.	3.7	16
46	Development of CpG-Oligodeoxynucleotides for Effective Activation of Rabbit TLR9 Mediated Immune Responses. PLoS ONE, 2014, 9, e108808.	2.5	16
47	Synergistic effect of phosphodiesterase 4 inhibitor and serum on migration of endotoxin-stimulated macrophages. Innate Immunity, 2018, 24, 501-512.	2.4	15
48	Carboxyl-terminal fusion of E7 into Flagellin shifts TLR5 activation to NLRC4/NAIP5 activation and induces TLR5-independent anti-tumor immunity. Scientific Reports, 2016, 6, 24199.	3.3	14
49	MicroRNA-3613-3p functions as a tumor suppressor and represents a novel therapeutic target in breast cancer. Breast Cancer Research, 2021, 23, 12.	5.0	14
50	Therapeutic Development Based on the Immunopathogenic Mechanisms of Psoriasis. Pharmaceutics, 2021, 13, 1064.	4.5	14
51	Blimp-1-Mediated Pathway Promotes Type I IFN Production in Plasmacytoid Dendritic Cells by Targeting to Interleukin-1 Receptor-Associated Kinase M. Frontiers in Immunology, 2018, 9, 1828.	4.8	13
52	Epigenetic Silencing of Ubiquitin Specific Protease 4 by Snail1 Contributes to Macrophage-Dependent Inflammation and Therapeutic Resistance in Lung Cancer. Cancers, 2020, 12, 148.	3.7	13
53	Quantum dots induced interferon beta expression via TRIF-dependent signaling pathways by promoting endocytosis of TLR4. Toxicology, 2016, 344-346, 61-70.	4.2	12
54	Phosphodiesterase 4B negatively regulates endotoxin-activated interleukin-1 receptor antagonist responses in macrophages. Scientific Reports, 2017, 7, 46165.	3.3	12

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55	Terminal uridyltransferase 7 regulates TLR4-triggered inflammation by controlling Regnase-1 mRNA uridylation and degradation. Nature Communications, 2021, 12, 3878.	12.8	12
56	Lactate Dehydrogenase-A (LDH-A) Preserves Cancer Stemness and Recruitment of Tumor-Associated Macrophages to Promote Breast Cancer Progression. Frontiers in Oncology, 2021, 11, 654452.	2.8	12
57	ZNRF1 Mediates Epidermal Growth Factor Receptor Ubiquitination to Control Receptor Lysosomal Trafficking and Degradation. Frontiers in Cell and Developmental Biology, 2021, 9, 642625.	3.7	10
58	PP4 deficiency leads to DNA replication stress that impairs immunoglobulin class switch efficiency. Cell Death and Differentiation, 2019, 26, 1221-1234.	11.2	8
59	Toll-Like Receptor 21 of Chicken and Duck Recognize a Broad Array of Immunostimulatory CpG-oligodeoxynucleotide Sequences. Vaccines, 2020, 8, 639.	4.4	8
60	Production of electricity and reduction of high-fat diet-induced IL-6 by glucose fermentation of Leuconostoc mesenteroides. Biochemical and Biophysical Research Communications, 2020, 533, 651-656.	2.1	7
61	Sharpening up tumor microenvironment to enhance the efficacy of immune checkpoint blockade on head and neck cancer using a CpG-oligodeoxynucleotide. Cancer Immunology, Immunotherapy, 2021, , 1.	4.2	7
62	Mouse Abdominal Fat Depots Reduced by Butyric Acid-Producing Leuconostoc mesenteroides. Microorganisms, 2020, 8, 1180.	3.6	6
63	Cysteine-Capped Hydrogels Incorporating Copper as Effective Antimicrobial Materials against Methicillin-Resistant Staphylococcus aureus. Microorganisms, 2020, 8, 149.	3.6	6
64	Type I Interferon Signaling Accelerates Liver Regeneration by Metabolic Modulation in Noninfectious Conditions. American Journal of Pathology, 2021, 191, 1036-1048.	3.8	4
65	Furin and TMPRSS2 Resistant Spike Induces Robust Humoral and Cellular Immunity Against SARS-CoV-2 Lethal Infection. Frontiers in Immunology, 2022, 13, 872047.	4.8	3
66	355 Triad3A E3 ligase negatively regulates the RIG-I/MAVS signaling pathway by targeting TRAF3 for degradation. Cytokine, 2008, 43, 328.	3.2	1
67	Single-cell RNA sequencing uncovers the individual alteration of intestinal mucosal immunocytes in Dusp6 knockout mice. IScience, 2022, 25, 103738.	4.1	1
68	Abstract 4232: Tumor-associated macrophages are responsible for EGF-R triggered upregulation of the Sox-2 signaling pathway in CSCs, which enhance tumorigenicity and tumor metastasis. , 2010, , .		0
69	Abstract 1914: Cross-talk between breast cancer cells and tumor-associated macrophages leads to tumor cell invasion, angiogenesis and metastasis. , 2010, , .		0