

Tsung-Hsien Chuang

List of Publications by Year in descending order

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69
papers

11,759
citations

186265
28
h-index

102487
66
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71
all docs

71
docs citations

71
times ranked

24848
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell RNA sequencing uncovers the individual alteration of intestinal mucosal immunocytes in Dusp6 knockout mice. <i>IScience</i> , 2022, 25, 103738.	4.1	1
2	Recent Advances in the Development of Toll-like Receptor Agonist-Based Vaccine Adjuvants for Infectious Diseases. <i>Pharmaceutics</i> , 2022, 14, 423.	4.5	38
3	Furin and TMPRSS2 Resistant Spike Induces Robust Humoral and Cellular Immunity Against SARS-CoV-2 Lethal Infection. <i>Frontiers in Immunology</i> , 2022, 13, 872047.	4.8	3
4	MicroRNA-3613-3p functions as a tumor suppressor and represents a novel therapeutic target in breast cancer. <i>Breast Cancer Research</i> , 2021, 23, 12.	5.0	14
5	ZNRF1 Mediates Epidermal Growth Factor Receptor Ubiquitination to Control Receptor Lysosomal Trafficking and Degradation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 642625.	3.7	10
6	Terminal uridylyltransferase 7 regulates TLR4-triggered inflammation by controlling Regnase-1 mRNA uridylation and degradation. <i>Nature Communications</i> , 2021, 12, 3878.	12.8	12
7	Lactate Dehydrogenase-A (LDH-A) Preserves Cancer Stemness and Recruitment of Tumor-Associated Macrophages to Promote Breast Cancer Progression. <i>Frontiers in Oncology</i> , 2021, 11, 654452.	2.8	12
8	Type I Interferon Signaling Accelerates Liver Regeneration by Metabolic Modulation in Noninfectious Conditions. <i>American Journal of Pathology</i> , 2021, 191, 1036-1048.	3.8	4
9	Therapeutic Development Based on the Immunopathogenic Mechanisms of Psoriasis. <i>Pharmaceutics</i> , 2021, 13, 1064.	4.5	14
10	Sharpening up tumor microenvironment to enhance the efficacy of immune checkpoint blockade on head and neck cancer using a CpG-oligodeoxynucleotide. <i>Cancer Immunology, Immunotherapy</i> , 2021, , 1.	4.2	7
11	Honeysuckle (<i>Lonicera japonica</i>) and Huangqi (<i>Astragalus membranaceus</i>) Suppress SARS-CoV-2 Entry and COVID-19 Related Cytokine Storm in Vitro. <i>Frontiers in Pharmacology</i> , 2021, 12, 765553.	3.5	24
12	ERK Activation Modulates Cancer Stemness and Motility of a Novel Mouse Oral Squamous Cell Carcinoma Cell Line. <i>Cancers</i> , 2020, 12, 61.	3.7	16
13	Production of electricity and reduction of high-fat diet-induced IL-6 by glucose fermentation of <i>Leuconostoc mesenteroides</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 651-656.	2.1	7
14	Mitochondrial Lon-induced mtDNA leakage contributes to PD-L1-mediated immunoescape via STING-IFN signaling and extracellular vesicles. , 2020, 8, e001372.		77
15	Toll-Like Receptor 21 of Chicken and Duck Recognize a Broad Array of Immunostimulatory CpG-oligodeoxynucleotide Sequences. <i>Vaccines</i> , 2020, 8, 639.	4.4	8
16	Mouse Abdominal Fat Depots Reduced by Butyric Acid-Producing <i>Leuconostoc mesenteroides</i> . <i>Microorganisms</i> , 2020, 8, 1180.	3.6	6
17	Adjuvant Effect of Toll-Like Receptor 9 Activation on Cancer Immunotherapy Using Checkpoint Blockade. <i>Frontiers in Immunology</i> , 2020, 11, 1075.	4.8	36
18	<i>Leuconostoc mesenteroides</i> fermentation produces butyric acid and mediates Ffar2 to regulate blood glucose and insulin in type 1 diabetic mice. <i>Scientific Reports</i> , 2020, 10, 7928.	3.3	29

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19	Epigenetic Silencing of Ubiquitin Specific Protease 4 by Snail1 Contributes to Macrophage-Dependent Inflammation and Therapeutic Resistance in Lung Cancer. <i>Cancers</i> , 2020, 12, 148.	3.7	13
20	Skin Cutibacterium acnes Mediates Fermentation to Suppress the Calcium Phosphate-Induced Itching: A Butyric Acid Derivative with Potential for Uremic Pruritus. <i>Journal of Clinical Medicine</i> , 2020, 9, 312.	2.4	18
21	Cysteine-Capped Hydrogels Incorporating Copper as Effective Antimicrobial Materials against Methicillin-Resistant Staphylococcus aureus. <i>Microorganisms</i> , 2020, 8, 149.	3.6	6
22	IL-6/p38 β /BTK/p38 β /ERK signaling mediates calcium phosphate-induced pruritus. <i>FASEB Journal</i> , 2019, 33, 12036-12046.	0.5	21
23	Immunostimulatory Activities of CpG-Oligodeoxynucleotides in Teleosts: Toll-Like Receptors 9 and 21. <i>Frontiers in Immunology</i> , 2019, 10, 179.	4.8	40
24	A Derivative of Butyric Acid, the Fermentation Metabolite of Staphylococcus epidermidis, Inhibits the Growth of a Staphylococcus aureus Strain Isolated from Atopic Dermatitis Patients. <i>Toxins</i> , 2019, 11, 311.	3.4	38
25	Targeting LIN28B reprograms tumor glucose metabolism and acidic microenvironment to suppress cancer stemness and metastasis. <i>Oncogene</i> , 2019, 38, 4527-4539.	5.9	63
26	PP4 deficiency leads to DNA replication stress that impairs immunoglobulin class switch efficiency. <i>Cell Death and Differentiation</i> , 2019, 26, 1221-1234.	11.2	8
27	Synergistic effect of phosphodiesterase 4 inhibitor and serum on migration of endotoxin-stimulated macrophages. <i>Innate Immunity</i> , 2018, 24, 501-512.	2.4	15
28	Involvement of M1 Macrophage Polarization in Endosomal Toll-Like Receptors Activated Psoriatic Inflammation. <i>Mediators of Inflammation</i> , 2018, 2018, 1-14.	3.0	52
29	A novel spontaneous hepatocellular carcinoma mouse model for studying T-cell exhaustion in the tumor microenvironment. <i>Journal of Experimental Medicine</i> , 2018, 205, 144.		30
30	Establishment of a mouse model for the complete mosquito-mediated transmission cycle of Zika virus. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006417.	3.0	19
31	USP17 mediates macrophage-promoted inflammation and stemness in lung cancer cells by regulating TRAF2/TRAF3 complex formation. <i>Oncogene</i> , 2018, 37, 6327-6340.	5.9	53
32	Blimp-1-Mediated Pathway Promotes Type I IFN Production in Plasmacytoid Dendritic Cells by Targeting to Interleukin-1 Receptor-Associated Kinase M. <i>Frontiers in Immunology</i> , 2018, 9, 1828.	4.8	13
33	Glycolysis regulates the expansion of myeloid-derived suppressor cells in tumor-bearing hosts through prevention of ROS-mediated apoptosis. <i>Cell Death and Disease</i> , 2017, 8, e2779-e2779.	6.3	114
34	Phosphodiesterase 4B negatively regulates endotoxin-activated interleukin-1 receptor antagonist responses in macrophages. <i>Scientific Reports</i> , 2017, 7, 46165.	3.3	12
35	CpG-oligodeoxynucleotides developed for grouper toll-like receptor (TLR) 21s effectively activate mouse and human TLR9s mediated immune responses. <i>Scientific Reports</i> , 2017, 7, 17297.	3.3	21
36	Natural Modulators of Endosomal Toll-Like Receptor-Mediated Psoriatic Skin Inflammation. <i>Journal of Immunology Research</i> , 2017, 2017, 1-15.	2.2	60

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37	Interplay between Inflammation and Stemness in Cancer Cells: The Role of Toll-Like Receptor Signaling. <i>Journal of Immunology Research</i> , 2016, 2016, 1-14.	2.2	44
38	Carboxyl-terminal fusion of E7 into Flagellin shifts TLR5 activation to NLRC4/NAIP5 activation and induces TLR5-independent anti-tumor immunity. <i>Scientific Reports</i> , 2016, 6, 24199.	3.3	14
39	Cross-Regulation of Proinflammatory Cytokines by Interleukin-10 and miR-155 in <i>Orientia tsutsugamushi</i> -Infected Human Macrophages Prevents Cytokine Storm. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1398-1407.	0.7	25
40	Mycotoxin Patulin Suppresses Innate Immune Responses by Mitochondrial Dysfunction and p62/Sequestosome-1-dependent Mitophagy. <i>Journal of Biological Chemistry</i> , 2016, 291, 19299-19311.	3.4	36
41	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
42	Quantum dots induced interferon beta expression via TRIF-dependent signaling pathways by promoting endocytosis of TLR4. <i>Toxicology</i> , 2016, 344-346, 61-70.	4.2	12
43	Ifit1 Protects Against Lipopolysaccharide and D-galactosamine- α -Induced Fatal Hepatitis by Inhibiting Activation of the JNK Pathway. <i>Journal of Infectious Diseases</i> , 2015, 212, 1509-1520.	4.0	16
44	Gene Expression Profiling and Pathway Network Analysis Predicts a Novel Antitumor Function for a Botanical-Derived Drug, PG2. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-15.	1.2	20
45	IKK β Enforces a LIN28B/TCF7L2 Positive Feedback Loop That Promotes Cancer Cell Stemness and Metastasis. <i>Cancer Research</i> , 2015, 75, 1725-1735.	0.9	45
46	Identification of Thiostrepton as a Novel Inhibitor for Psoriasis-like Inflammation Induced by TLR7 α 9. <i>Journal of Immunology</i> , 2015, 195, 3912-3921.	0.8	22
47	Regulation of autophagy by E3 ubiquitin ligase RNF216 through BECN1 ubiquitination. <i>Autophagy</i> , 2014, 10, 2239-2250.	9.1	93
48	TLR7/8 agonists activate a mild immune response in rabbits through TLR8 but not TLR7. <i>Vaccine</i> , 2014, 32, 5593-5599.	3.8	18
49	The Inducible Nitric-oxide Synthase (iNOS)/Src Axis Mediates Toll-like Receptor 3 Tyrosine 759 Phosphorylation and Enhances Its Signal Transduction, Leading to Interferon- β Synthesis in Macrophages. <i>Journal of Biological Chemistry</i> , 2014, 289, 9208-9220.	3.4	16
50	Development of CpG-Oligodeoxynucleotides for Effective Activation of Rabbit TLR9 Mediated Immune Responses. <i>PLoS ONE</i> , 2014, 9, e108808.	2.5	16
51	Tumor-Associated Macrophages Regulate Murine Breast Cancer Stem Cells Through a Novel Paracrine EGFR/Stat3/Sox-2 Signaling Pathway. <i>Stem Cells</i> , 2013, 31, 248-258.	3.2	231
52	Toll-like receptor 9 and 21 have different ligand recognition profiles and cooperatively mediate activity of CpG-oligodeoxynucleotides in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20711-20716.	7.1	105
53	TLR-induced PAI-2 expression suppresses IL-1 β processing via increasing autophagy and NLRP3 degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16079-16084.	7.1	130
54	Activation of rabbit TLR9 by different CpG-ODN optimized for mouse and human TLR9. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2012, 35, 443-451.	1.6	21

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55	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
56	Functional interaction of heat shock protein 90 and Beclin 1 modulates Toll-like receptor-mediated autophagy. <i>FASEB Journal</i> , 2011, 25, 2700-2710.	0.5	82
57	CD133/Src Axis Mediates Tumor Initiating Property and Epithelial-Mesenchymal Transition of Head and Neck Cancer. <i>PLoS ONE</i> , 2011, 6, e28053.	2.5	105
58	A five-amino-acid motif in the undefined region of the TLR8 ectodomain is required for species-specific ligand recognition. <i>Molecular Immunology</i> , 2010, 47, 1083-1090.	2.2	93
59	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
60	Abstract 1914: Cross-talk between breast cancer cells and tumor-associated macrophages leads to tumor cell invasion, angiogenesis and metastasis. , 2010, , .		0
61	The E3 Ubiquitin Ligase Triad3A Negatively Regulates the RIG-I/MAVS Signaling Pathway by Targeting TRAF3 for Degradation. <i>PLoS Pathogens</i> , 2009, 5, e1000650.	4.7	159
62	Nuclear factor κ B (NF- κ B) activation primes cells to a pro-inflammatory polarized response to a Toll-like receptor 7 (TLR7) agonist. <i>Biochemical Journal</i> , 2009, 421, 301-310.	3.7	17
63	355 Triad3A E3 ligase negatively regulates the RIG-I/MAVS signaling pathway by targeting TRAF3 for degradation. <i>Cytokine</i> , 2008, 43, 328.	3.2	1
64	Triad3A Regulates Ubiquitination and Proteasomal Degradation of RIP1 following Disruption of Hsp90 Binding. <i>Journal of Biological Chemistry</i> , 2006, 281, 34592-34600.	3.4	85
65	Activation of anti-hepatitis C virus responses via Toll-like receptor 7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1828-1833.	7.1	188
66	Triad3A, an E3 ubiquitin-protein ligase regulating Toll-like receptors. <i>Nature Immunology</i> , 2004, 5, 495-502.	14.5	349
67	Toll-like receptor 9 mediates CpG-DNA signaling. <i>Journal of Leukocyte Biology</i> , 2002, 71, 538-44.	3.3	111
68	Leptospiral lipopolysaccharide activates cells through a TLR2-dependent mechanism. <i>Nature Immunology</i> , 2001, 2, 346-352.	14.5	637
69	Identification of hTLR10: a novel human Toll-like receptor preferentially expressed in immune cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2001, 1518, 157-161.	2.4	328