

Shih-Hwa Chiou

List of Publications by Year in descending order

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58
papers

2,588
citations

218381

26
h-index

205818

48
g-index

58
all docs

58
docs citations

58
times ranked

5432
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of SARS-CoV-2 and the Ongoing Clinical Trials. International Journal of Molecular Sciences, 2020, 21, 2657.	1.8	530
2	Highlight of Immune Pathogenic Response and Hematopathologic Effect in SARS-CoV, MERS-CoV, and SARS-Cov-2 Infection. Frontiers in Immunology, 2020, 11, 1022.	2.2	263
3	Integrated (epi)-Genomic Analyses Identify Subgroup-Specific Therapeutic Targets in CNS Rhabdoid Tumors. Cancer Cell, 2016, 30, 891-908.	7.7	191
4	Artificial intelligence-based decision-making for age-related macular degeneration. Theranostics, 2019, 9, 232-245.	4.6	116
5	Identification of CD133-Positive Radioresistant Cells in Atypical Teratoid/ Rhabdoid Tumor. PLoS ONE, 2008, 3, e2090.	1.1	110
6	Biomedical applications and colloidal properties of amphiphilically modified chitosan hybrids. Progress in Polymer Science, 2013, 38, 1307-1328.	11.8	91
7	Fluoxetine up-regulates expression of cellular FLICE-inhibitory protein and inhibits LPS-induced apoptosis in hippocampus-derived neural stem cell. Biochemical and Biophysical Research Communications, 2006, 343, 391-400.	1.0	86
8	Generation of Functional Dopaminergic Neurons from Reprogramming Fibroblasts by Nonviral-based Mesoporous Silica Nanoparticles. Scientific Reports, 2018, 8, 11.	1.6	86
9	METTL3-dependent N ⁶ -methyladenosine RNA modification mediates the atherogenic inflammatory cascades in vascular endothelium. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	68
10	Moclobemide upregulated Bcl-2 expression and induced neural stem cell differentiation into serotonergic neuron via extracellular-regulated kinase pathway. British Journal of Pharmacology, 2006, 148, 587-598.	2.7	67
11	A novel in vitro retinal differentiation model by co-culturing adult human bone marrow stem cells with retinal pigmented epithelium cells. Biochemical and Biophysical Research Communications, 2005, 326, 578-585.	1.0	66
12	RNA Modifications and Epigenetics in Modulation of Lung Cancer and Pulmonary Diseases. International Journal of Molecular Sciences, 2021, 22, 10592.	1.8	61
13	An Update on Mesoporous Silica Nanoparticle Applications in Nanomedicine. Pharmaceutics, 2021, 13, 1067.	2.0	57
14	Bio-Inspired NanoVilli Chips for Enhanced Capture of Tumor-Derived Extracellular Vesicles: Toward Non-Invasive Detection of Gene Alterations in Non-Small Cell Lung Cancer. ACS Applied Materials & Interfaces, 2019, 11, 13973-13983.	4.0	55
15	Noninfectious uveitis in the Asia-Pacific region. Eye, 2019, 33, 66-77.	1.1	53
16	Plasma Level of Circular RNA hsa_circ_0000190 Correlates with Tumor Progression and Poor Treatment Response in Advanced Lung Cancers. Cancers, 2020, 12, 1740.	1.7	45
17	Dual Delivery of HNF4 α and Cisplatin by Mesoporous Silica Nanoparticles Inhibits Cancer Pluripotency and Tumorigenicity in Hepatoma-Derived CD133-Expressing Stem Cells. ACS Applied Materials & Interfaces, 2019, 11, 19808-19818.	4.0	40
18	Genomic analysis and comparative multiple sequences of SARS-CoV2. Journal of the Chinese Medical Association, 2020, 83, 537-543.	0.6	40

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19	Dual delivery of siRNA and plasmid DNA using mesoporous silica nanoparticles to differentiate induced pluripotent stem cells into dopaminergic neurons. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3012-3023.	2.9	38
20	The Immediate Early 2 Protein of Human Cytomegalovirus (HCMV) Mediates the Apoptotic Control in HCMV Retinitis through Up-Regulation of the Cellular FLICE-Inhibitory Protein Expression. <i>Journal of Immunology</i> , 2006, 177, 6199-6206.	0.4	36
21	Salvage Boron Neutron Capture Therapy for Malignant Brain Tumor Patients in Compliance with Emergency and Compassionate Use: Evaluation of 34 Cases in Taiwan. <i>Biology</i> , 2021, 10, 334.	1.3	33
22	Impaired ROS Scavenging System in Human Induced Pluripotent Stem Cells Generated from Patients with MERRF Syndrome. <i>Scientific Reports</i> , 2016, 6, 23661.	1.6	32
23	MafA promotes the reprogramming of placenta-derived multipotent stem cells into pancreatic islets-like and insulin+ cells. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 612-624.	1.6	31
24	A temperature-induced and shear-reversible assembly of latanoprost-loaded amphiphilic chitosan colloids: Characterization and in vivo glaucoma treatment. <i>Acta Biomaterialia</i> , 2014, 10, 3188-3196.	4.1	30
25	Mitochondrial transport mediates survival of retinal ganglion cells in affected LHON patients. <i>Human Molecular Genetics</i> , 2020, 29, 1454-1464.	1.4	30
26	Laminin modification subretinal bio-scaffold remodels retinal pigment epithelium-driven microenvironment <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2016, 7, 64631-64648.	0.8	29
27	Supramolecular nanosubstrate-mediated delivery system enables CRISPR-Cas9 knockin of hemoglobin beta gene for hemoglobinopathies. <i>Science Advances</i> , 2020, 6, .	4.7	25
28	Involvement of <i>let-7</i> microRNA for the therapeutic effects of Rhenium-188-embedded liposomal nanoparticles on orthotopic human head and neck cancer model. <i>Oncotarget</i> , 2016, 7, 65782-65796.	0.8	21
29	Apoptosis of Human Retina and Retinal Pigment Cells Induced by Human Cytomegalovirus Infection. <i>Ophthalmic Research</i> , 2002, 34, 77-82.	1.0	20
30	Circular RNA hsa_circ_0000190 Facilitates the Tumorigenesis and Immune Evasion by Upregulating the Expression of Soluble PD-L1 in Non-Small-Cell Lung Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 64.	1.8	19
31	Expression profiling of cell-intrinsic regulators in the process of differentiation of human iPSCs into retinal lineages. <i>Stem Cell Research and Therapy</i> , 2018, 9, 140.	2.4	16
32	Nano-vectors for CRISPR/Cas9-mediated genome editing. <i>Nano Today</i> , 2022, 44, 101482.	6.2	15
33	Arsenic trioxide-mediated suppression of miR-182-5p is associated with potent anti-oxidant effects through up-regulation of <i>SESN2</i> . <i>Oncotarget</i> , 2018, 9, 16028-16042.	0.8	14
34	Evaluation of anti-Fas ligand-induced apoptosis and neural differentiation of PC12 cells treated with nerve growth factor using small interfering RNA method and sampling by microdialysis. <i>Analytical Biochemistry</i> , 2007, 363, 46-57.	1.1	13
35	Chinese herbal medicines promote hippocampal neuroproliferation, reduce stress hormone levels, inhibit apoptosis, and improve behavior in chronically stressed mice. <i>Journal of Ethnopharmacology</i> , 2016, 193, 159-168.	2.0	13
36	Musashi-1 promotes stress-induced tumor progression through recruitment of AGO2. <i>Theranostics</i> , 2020, 10, 201-217.	4.6	13

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37	Supercontinuum source-based multi-contrast optical coherence tomography for rat retina imaging. <i>Biomedical Optics Express</i> , 2018, 9, 6132.	1.5	13
38	Glutamate Stimulation Dysregulates AMPA Receptors-Induced Signal Transduction Pathway in Leber's Inherited Optic Neuropathy Patient-Specific hiPSC-Derived Retinal Ganglion Cells. <i>Cells</i> , 2019, 8, 625.	1.8	12
39	Circular RNAs Modulate Cancer Hallmark and Molecular Pathways to Support Cancer Progression and Metastasis. <i>Cancers</i> , 2022, 14, 862.	1.7	11
40	Application of artificial intelligence-driven endoscopic screening and diagnosis of gastric cancer. <i>World Journal of Gastroenterology</i> , 2021, 27, 2979-2993.	1.4	10
41	Modifications of intravitreal injections in response to the COVID-19 pandemic. <i>Journal of the Chinese Medical Association</i> , 2021, 84, 827-832.	0.6	9
42	Generation of osimertinib-resistant cells from epidermal growth factor receptor L858R/T790M mutant non-small cell lung carcinoma cell line. <i>Journal of the Chinese Medical Association</i> , 2021, 84, 248-254.	0.6	9
43	Molecular target therapeutics of EGF-TKI and downstream signaling pathways in non-small cell lung cancers. <i>Journal of the Chinese Medical Association</i> , 2022, 85, 409-413.	0.6	9
44	Supramolecular Nanosubstrate-Mediated Delivery for CRISPR/Cas9 Gene Disruption and Deletion. <i>Small</i> , 2021, 17, 2100546.	5.2	8
45	Modulation of osmotic stress-induced TRPV1 expression rescues human iPSC-derived retinal ganglion cells through PKA. <i>Stem Cell Research and Therapy</i> , 2019, 10, 284.	2.4	7
46	Inhibition of DUSP6 Activates Autophagy and Rescues the Retinal Pigment Epithelium in Sodium Iodate-Induced Retinal Degeneration Models In Vivo and In Vitro. <i>Biomedicines</i> , 2022, 10, 159.	1.4	7
47	Effect of cold provocation on vessel density in eyes with primary open angle glaucoma: An optical coherence tomography angiography study. <i>Scientific Reports</i> , 2019, 9, 9384.	1.6	5
48	Prevalence of glaucoma in the elderly population in Taiwan: The Shihpai Eye Study. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 880-884.	0.6	5
49	Three-Year Outcomes of Patients with Neovascular Age-Related Macular Degeneration Treated with Aflibercept under the National Health Insurance Program in Taiwan. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-8.	0.6	5
50	Oral Anticoagulation Timing in Patients with Acute Ischemic Stroke and Atrial Fibrillation. <i>Thrombosis and Haemostasis</i> , 2022, 122, 939-950.	1.8	5
51	Genome-Wide Polygenic Risk Score for Predicting High Risk Glaucoma Individuals of Han Chinese Ancestry. <i>Journal of Personalized Medicine</i> , 2021, 11, 1169.	1.1	5
52	Cytokine and Epigenetic Regulation of Programmed Death-Ligand 1 in Stem Cell Differentiation and Cancer Cell Plasticity. <i>Stem Cells</i> , 2021, 39, 1298-1309.	1.4	5
53	MicroRNA-362 negatively and positively regulates SMAD4 expression in TGF- β 2/SMAD signaling to suppress cell migration and invasion. <i>International Journal of Medical Sciences</i> , 2021, 18, 1798-1809.	1.1	3
54	Surface Modification of Materials by Plasma Process and UV-induced Grafted Polymerization for Biomedical Applications. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2007, 50, 609-614.	0.2	2

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55	Aqueous Lumican Correlates with Central Retinal Thickness in Patients with Idiopathic Epiretinal Membrane: A Proteome Study. <i>Disease Markers</i> , 2022, 2022, 1-13.	0.6	2
56	Proteomic Analysis of Aqueous Humor Proteins in Association with Cataract Risks: Diabetes and Smoking. <i>Journal of Clinical Medicine</i> , 2021, 10, 5731.	1.0	2
57	Generation of human induced pluripotent stem cells from cystic fibrosis patient carrying nonsense mutation (p.S308X) in CFTR gene. <i>Stem Cell Research</i> , 2022, 60, 102683.	0.3	1
58	Osimertinib in previously EGFR-TKI treated non-small cell lung cancer (NSCLC) patients without T790M mutation: Real-world evidence.. <i>Journal of Clinical Oncology</i> , 2020, 38, e21631-e21631.	0.8	0