

# Hsin-Hou Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,292  
citations

201385

27  
h-index

243296

44  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging role of the itaconate-mediated rescue of cellular metabolic stress. <i>Tzu Chi Medical Journal</i> , 2022, 34, 134.	0.4	4
2	Hematopoietic stem cell mobilization. <i>Tzu Chi Medical Journal</i> , 2022, 34, 270.	0.4	4
3	Nanodiamond-Induced Thrombocytopenia in Mice Involve P-Selectin-Dependent Nlrp3 Inflammasome-Mediated Platelet Aggregation, Pyroptosis and Apoptosis. <i>Frontiers in Immunology</i> , 2022, 13, 806686.	2.2	8
4	Correlation of Body Mass Index and Proinflammatory Cytokine Levels with Hematopoietic Stem Cell Mobilization. <i>Journal of Clinical Medicine</i> , 2022, 11, 4169.	1.0	3
5	PKC $\delta$ mediates mitochondrial ROS generation and oxidation of HSP60 to relieve RKIP inhibition on MAPK pathway for HCC progression. <i>Free Radical Biology and Medicine</i> , 2021, 163, 69-87.	1.3	29
6	Exposure to Dengue Envelope Protein Domain III Induces Nlrp3 Inflammasome-Dependent Endothelial Dysfunction and Hemorrhage in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 617251.	2.2	24
7	Dengue Virus Envelope Protein Domain III Induces Nlrp3 Inflammasome-Dependent NETosis-Mediated Inflammation in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 618577.	2.2	16
8	Exposure of Platelets to Dengue Virus and Envelope Protein Domain III Induces Nlrp3 Inflammasome-Dependent Platelet Cell Death and Thrombocytopenia in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 616394.	2.2	21
9	AQPO is a novel surface marker for deciphering abnormal erythropoiesis. <i>Stem Cell Research and Therapy</i> , 2021, 12, 274.	2.4	4
10	Opportunistic gill infection is associated with TiO <sub>2</sub> nanoparticle-induced mortality in zebrafish. <i>PLoS ONE</i> , 2021, 16, e0247859.	1.1	9
11	Snail Upregulates Transcription of FN, LEF, COX2, and COL1A1 in Hepatocellular Carcinoma: A General Model Established for Snail to Transactivate Mesenchymal Genes. <i>Cells</i> , 2021, 10, 2202.	1.8	4
12	Activating Transcription Factor 3 Protects against Restraint Stress-Induced Gastrointestinal Injury in Mice. <i>Cells</i> , 2021, 10, 3530.	1.8	11
13	Silver Nanoparticles Protect Skin from Ultraviolet B-Induced Damage in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7082.	1.8	26
14	Visible-Light-Responsive Antibacterial Property of Boron-Doped Titania Films. <i>Catalysts</i> , 2020, 10, 1349.	1.6	8
15	SARS Unique Domain (SUD) of Severe Acute Respiratory Syndrome Coronavirus Induces NLRP3 Inflammasome-Dependent CXCL10-Mediated Pulmonary Inflammation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3179.	1.8	54
16	Suppressed humoral immunity is associated with dengue nonstructural protein NS1-elicited anti-death receptor antibody fractions in mice. <i>Scientific Reports</i> , 2020, 10, 6294.	1.6	14
17	Raman spectroscopy on live mouse early embryo while it continues to develop into blastocyst in vitro. <i>Scientific Reports</i> , 2019, 9, 6636.	1.6	18
18	Identification of Two Novel Small Compounds that Inhibit Liver Cancer Formation in Zebrafish and Analysis of Their Conjugation to Nanodiamonds to Further Reduce Toxicity. <i>Advanced Therapeutics</i> , 2019, 2, 1900105.	1.6	8

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19	Thioacetamide-induced liver damage and thrombocytopenia is associated with induction of antiplatelet autoantibody in mice. <i>Scientific Reports</i> , 2019, 9, 17497.	1.6	23
20	Immune imbalance of global gene expression, and cytokine, chemokine and selectin levels in the brains of offspring with social deficits via maternal immune activation. <i>Genes, Brain and Behavior</i> , 2018, 17, e12479.	1.1	19
21	Different effects of granulocyte colony-stimulating factor and erythropoietin on erythropoiesis. <i>Stem Cell Research and Therapy</i> , 2018, 9, 119.	2.4	8
22	TRPM8 and RAAS-mediated hypertension is critical for cold-induced immunosuppression in mice. <i>Oncotarget</i> , 2018, 9, 12781-12795.	0.8	15
23	Soluble P-selectin rescues mice from anthrax lethal toxin-induced mortality through PSGL-1 pathway-mediated correction of hemostasis. <i>Virulence</i> , 2017, 8, 1216-1228.	1.8	16
24	Suppressive effect of dengue virus envelope protein domain III on megakaryopoiesis. <i>Virulence</i> , 2017, 8, 1719-1731.	1.8	24
25	Involvement of L-selectin expression in <i>Burkholderia pseudomallei</i> -infected monocytes invading the brain during murine melioidosis. <i>Virulence</i> , 2017, 8, 751-766.	1.8	11
26	Visible Light-Responsive Platinum-Containing Titania Nanoparticle-Mediated Photocatalysis Induces Nucleotide Insertion, Deletion and Substitution Mutations. <i>Nanomaterials</i> , 2017, 7, 2.	1.9	14
27	Antibacterial Properties of Visible-Light-Responsive Carbon-Containing Titanium Dioxide Photocatalytic Nanoparticles against Anthrax. <i>Nanomaterials</i> , 2016, 6, 237.	1.9	21
28	Soluble P-selectin rescues viper venom-induced mortality through anti-inflammatory properties and PSGL-1 pathway-mediated correction of hemostasis. <i>Scientific Reports</i> , 2016, 6, 35868.	1.6	19
29	Altered susceptibility to the bactericidal effect of photocatalytic oxidation by TiO <sub>2</sub> is related to colistin resistance development in <i>Acinetobacter baumannii</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8549-8561.	1.7	13
30	Nanodiamonds protect skin from ultraviolet B-induced damage in mice. <i>Journal of Nanobiotechnology</i> , 2015, 13, 35.	4.2	47
31	Acquired coagulant factor VIII deficiency induced by <i>Bacillus anthracis</i> lethal toxin in mice. <i>Virulence</i> , 2015, 6, 466-475.	1.8	13
32	Dengue virus and antiplatelet autoantibodies synergistically induce haemorrhage through Nlrp3-inflammasome and FcγRIII. <i>Thrombosis and Haemostasis</i> , 2015, 113, 1060-1070.	1.8	35
33	Megakaryocytic differentiation of mouse embryonic stem cells via coculture with immortalized OP9 stromal cells. <i>Experimental Cell Research</i> , 2015, 339, 44-50.	1.2	3
34	Antibacterial property of Ag nanoparticle-impregnated N-doped titania films under visible light. <i>Scientific Reports</i> , 2015, 5, 11978.	1.6	52
35	Differential regulation of caspase-2 in MPP <sup>+</sup> -induced apoptosis in primary cortical neurons. <i>Experimental Cell Research</i> , 2015, 332, 60-66.	1.2	10
36	Endothelial Cell Sensitization by Death Receptor Fractions of an Anti-Dengue Nonstructural Protein 1 Antibody Induced Plasma Leakage, Coagulopathy, and Mortality in Mice. <i>Journal of Immunology</i> , 2015, 195, 2743-2753.	0.4	32

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37	Alteration of the Phenotypic and Pathogenic Patterns of <i>Burkholderia pseudomallei</i> that Persist in a Soil Environment. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 90, 469-479.	0.6	11
38	Cell adhesion as a novel approach to determining the cellular binding motif on the severe acute respiratory syndrome coronavirus spike protein. <i>Journal of Virological Methods</i> , 2014, 201, 1-6.	1.0	11
39	Erythrocytic Mobilization Enhanced by the Granulocyte Colony-Stimulating Factor Is Associated with Reduced Anthrax-Lethal-Toxin-Induced Mortality in Mice. <i>PLoS ONE</i> , 2014, 9, e111149.	1.1	10
40	Antibacterial performance of nanoscaled visible-light responsive platinum-containing titania photocatalyst in vitro and in vivo. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3787-3795.	1.1	20
41	Erythropoiesis Suppression Is Associated with Anthrax Lethal Toxin-Mediated Pathogenic Progression. <i>PLoS ONE</i> , 2013, 8, e71718.	1.1	21
42	Suppressive Effects of Anthrax Lethal Toxin on Megakaryopoiesis. <i>PLoS ONE</i> , 2013, 8, e59512.	1.1	21
43	Platelets in Inflammation and Immune Modulations: Functions Beyond Hemostasis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2012, 60, 443-451.	1.0	38
44	The influence of nanodiamond on the oxygenation states and micro rheological properties of human red blood cells <i>&amp;lt;itali&amp;gt;in vitro&amp;lt;/itali&amp;gt;</i> . <i>Journal of Biomedical Optics</i> , 2012, 17, 101512.	1.4	45
45	Visible light&quot;responsive core-shell structured In <sub>2</sub> O <sub>3</sub> @CaIn <sub>2</sub> O <sub>4</sub> photocatalyst with superior bactericidal properties and biocompatibility. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 609-617.	1.7	31
46	Activated protein C ameliorates <i>Bacillus anthracis</i> lethal toxin-induced lethal pathogenesis in rats. <i>Journal of Biomedical Science</i> , 2012, 19, 98.	2.6	15
47	Bactericidal Effects and Mechanisms of Visible Light-Responsive Titanium Dioxide Photocatalysts on Pathogenic Bacteria. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2012, 60, 267-275.	1.0	160
48	The Use of Nanoscale Visible Light-Responsive Photocatalyst TiO <sub>2</sub> -Pt for the Elimination of Soil-Borne Pathogens. <i>PLoS ONE</i> , 2012, 7, e31212.	1.1	24
49	Visible Light Responsive Photocatalyst Induces Progressive and Apical-Terminus Preferential Damages on <i>Escherichia coli</i> Surfaces. <i>PLoS ONE</i> , 2011, 6, e19982.	1.1	30
50	Dendritic cells modulate platelet activity in IVIg-mediated amelioration of ITP in mice. <i>Blood</i> , 2010, 116, 5002-5009.	0.6	53
51	A comparative study of the bactericidal effect of photocatalytic oxidation by TiO <sub>2</sub> on antibiotic&quot;resistant and antibiotic&quot;sensitive bacteria. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1642-1653.	1.6	90
52	Bactericidal Performance of Visible-Light Responsive Titania Photocatalyst with Silver Nanostructures. <i>PLoS ONE</i> , 2010, 5, e10394.	1.1	57
53	Sublethal Doses of Anthrax Lethal Toxin on the Suppression of Macrophage Phagocytosis. <i>PLoS ONE</i> , 2010, 5, e14289.	1.1	20
54	The effects of the bacterial interaction with visible-light responsive titania photocatalyst on the bactericidal performance. <i>Journal of Biomedical Science</i> , 2009, 16, 7.	2.6	103

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55	Role of Visible Light-Activated Photocatalyst on the Reduction of Anthrax Spore-Induced Mortality in Mice. <i>PLoS ONE</i> , 2009, 4, e4167.	1.1	43
56	Characterization of Early Gamma Interferon (IFN- $\gamma$ ) Expression during Murine Listeriosis: Identification of NK1.1 + CD11c + Cells as the Primary IFN- $\gamma$ -Expressing Cells. <i>Infection and Immunity</i> , 2007, 75, 1167-1176.	1.0	17
57	RHODOSTOMIN, A SNAKE VENOM DISINTEGRIN, SERVED AS A MOLECULAR TOOL TO DISSECT THE INTEGRIN FUNCTION. <i>Toxin Reviews</i> , 2007, 26, 189-202.	1.5	2
58	Antiplatelet autoantibodies elicited by dengue virus non-structural protein 1 cause thrombocytopenia and mortality in mice. <i>Journal of Thrombosis and Haemostasis</i> , 2007, 5, 2291-2299.	1.9	118
59	Single-step purification of recombinant anthrax lethal factor from periplasm of <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2006, 126, 277-285.	1.9	11
60	Visible-Light-Induced Bactericidal Activity of a Nitrogen-Doped Titanium Photocatalyst against Human Pathogens. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6111-6116.	1.4	193
61	Calcium oscillation and phosphatidylinositol 3-kinase positively regulate integrin $\alpha$ IIb $\beta$ 3-mediated outside-in signaling. <i>Journal of Biomedical Science</i> , 2005, 12, 321-333.	2.6	19
62	PI3-kinase is essential for ADP-stimulated integrin $\alpha$ IIb $\beta$ 3-mediated platelet calcium oscillation, implications for P2Y receptor pathways in integrin $\alpha$ IIb $\beta$ 3-initiated signaling cross-talks. <i>Journal of Biomedical Science</i> , 2005, 12, 937-948.	2.6	17
63	The integrin $\alpha$ 6 $\beta$ 1 modulation of PI3K and Cdc42 activities induces dynamic filopodium formation in human platelets. <i>Journal of Biomedical Science</i> , 2005, 12, 881-898.	2.6	38
64	RECOMBINANT SNAKE DISINTEGRINS USED FOR MAMMALIAN INTEGRIN STUDY. <i>Toxin Reviews</i> , 2005, 24, 95-111.	1.5	3
65	Antiplatelet Activities of Anthrax Lethal Toxin Are Associated with Suppressed p42/44 and p38 Mitogen-Activated Protein Kinase Pathways in the Platelets. <i>Journal of Infectious Diseases</i> , 2005, 192, 1465-1474.	1.9	49
66	Cell-adhesion and morphological changes are not sufficient to support anchorage-dependent cell growth via non-integrin-mediated attachment. <i>Cell Biology International</i> , 2003, 27, 123-133.	1.4	12
67	Differential regulation of JNK in caspase-3-mediated apoptosis of MPP <sup>+</sup> -treated primary cortical neurons. <i>Cell Biology International</i> , 2003, 27, 769-777.	1.4	16
68	Facilitation of Cell Adhesion by Immobilized Dengue Viral Nonstructural Protein 1 (NS1): Arginine-Glycine-Aspartic Acid Structural Mimicry within the Dengue Viral NS1 Antigen. <i>Journal of Infectious Diseases</i> , 2002, 186, 743-751.	1.9	60
69	Positional importance of Pro53 adjacent to the Arg49-Gly50-Asp51 sequence of rhodostomin in binding to integrin $\alpha$ IIb $\beta$ 3. <i>Biochemical Journal</i> , 2001, 357, 57.	1.7	20
70	Positional importance of Pro53 adjacent to the Arg49-Gly50-Asp51 sequence of rhodostomin in binding to integrin $\alpha$ IIb $\beta$ 3. <i>Biochemical Journal</i> , 2001, 357, 57-64.	1.7	26
71	Receptor-mediated endocytosis as a selection force to enrich bacteria expressing rhodostomin on their surface. <i>Journal of Biomedical Science</i> , 2000, 7, 42-50.	2.6	12
72	DNA vaccination using the fragment C of botulinum neurotoxin type A provided protective immunity in mice. <i>Journal of Biomedical Science</i> , 2000, 7, 51-57.	2.6	32

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73	Modification with a phosphorylation tag of PKA in the TraT-based display vector of <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2000, 78, 115-122.	1.9	16
74	Expression of Foreign Antigens on the Surface of <i>Escherichia coli</i> by Fusion to the Outer Membrane Protein TraT. <i>Journal of Biomedical Science</i> , 1999, 6, 64-70.	2.6	5
75	Expression of foreign antigens on the surface of <i>Escherichia coli</i> by fusion to the outer membrane protein TraT. <i>Journal of Biomedical Science</i> , 1999, 6, 64-70.	2.6	23
76	Recombinant Rhodostomin Substrates Induce Transformation and Active Calcium Oscillation in Human Platelets. <i>Experimental Cell Research</i> , 1999, 250, 387-400.	1.2	35
77	Full-spreading platelets induced by the recombinant rhodostomin are via binding to integrins and correlated with FAK phosphorylation. <i>Toxicon</i> , 1998, 36, 1087-1099.	0.8	28
78	Glutathione S-transferase-rhodostomin fusion protein inhibits platelet aggregation and induces platelet shape change. <i>Toxicon</i> , 1997, 35, 195-204.	0.8	27
79	Application of recombinant rhodostomin in studying cell adhesion. <i>Journal of Biomedical Science</i> , 1997, 4, 235-243.	2.6	30
80	Rhodostomin, an RGD-Containing Peptide Expressed from a Synthetic Gene in <i>Escherichia coli</i> , Facilitates the Attachment of Human Hepatoma Cells. <i>Biochemical and Biophysical Research Communications</i> , 1993, 190, 242-249.	1.0	40