Hsin-Hou Chang

List of Publications by Year
in descending order

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80 papers	2,292 citations	201674 27 h-index	243625 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. Tzu Chi Medical Journal, 2022, 34, 134.	1.1	4
2	Hematopoietic stem cell mobilization. Tzu Chi Medical Journal, 2022, 34, 270.	1.1	4
3	Nanodiamond-Induced Thrombocytopenia in Mice Involve P-Selectin-Dependent Nlrp3 Inflammasome-Mediated Platelet Aggregation, Pyroptosis and Apoptosis. Frontiers in Immunology, 2022, 13, 806686.	4.8	8
4	Correlation of Body Mass Index and Proinflammatory Cytokine Levels with Hematopoietic Stem Cell Mobilization. Journal of Clinical Medicine, 2022, 11, 4169.	2.4	3
5	PKCÎ´ mediates mitochondrial ROS generation and oxidation of HSP60 to relieve RKIP inhibition on MAPK pathway for HCC progression. Free Radical Biology and Medicine, 2021, 163, 69-87.	2.9	29
6	Exposure to Dengue Envelope Protein Domain III Induces Nlrp3 Inflammasome-Dependent Endothelial Dysfunction and Hemorrhage in Mice. Frontiers in Immunology, 2021, 12, 617251.	4.8	24
7	Dengue Virus Envelope Protein Domain III Induces Nlrp3 Inflammasome-Dependent NETosis-Mediated Inflammation in Mice. Frontiers in Immunology, 2021, 12, 618577.	4.8	16
8	Exposure of Platelets to Dengue Virus and Envelope Protein Domain III Induces Nlrp3 Inflammasome-Dependent Platelet Cell Death and Thrombocytopenia in Mice. Frontiers in Immunology, 2021, 12, 616394.	4.8	21
9	AQP0 is a novel surface marker for deciphering abnormal erythropoiesis. Stem Cell Research and Therapy, 2021, 12, 274.	5.5	4
10	Opportunistic gill infection is associated with TiO2 nanoparticle-induced mortality in zebrafish. PLoS ONE, 2021, 16, e0247859.	2.5	9
11	Snail Upregulates Transcription of FN, LEF, COX2, and COL1A1 in Hepatocellular Carcinoma: A General Model Established for Snail to Transactivate Mesenchymal Genes. Cells, 2021, 10, 2202.	4.1	4
12	Activating Transcription Factor 3 Protects against Restraint Stress-Induced Gastrointestinal Injury in Mice. Cells, 2021, 10, 3530.	4.1	11
13	Silver Nanoparticles Protect Skin from Ultraviolet B-Induced Damage in Mice. International Journal of Molecular Sciences, 2020, 21, 7082.	4.1	26
14	Visible-Light-Responsive Antibacterial Property of Boron-Doped Titania Films. Catalysts, 2020, 10, 1349.	3.5	8
15	SARS Unique Domain (SUD) of Severe Acute Respiratory Syndrome Coronavirus Induces NLRP3 Inflammasome-Dependent CXCL10-Mediated Pulmonary Inflammation. International Journal of Molecular Sciences, 2020, 21, 3179.	4.1	54
16	Suppressed humoral immunity is associated with dengue nonstructural protein NS1-elicited anti-death receptor antibody fractions in mice. Scientific Reports, 2020, 10, 6294.	3.3	14
17	Raman spectroscopy on live mouse early embryo while it continues to develop into blastocyst in vitro. Scientific Reports, 2019, 9, 6636.	3.3	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. Advanced Therapeutics, 2019, 2, 1900105.	3.2	8

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19	Thioacetamide-induced liver damage and thrombocytopenia is associated with induction of antiplatelet autoantibody in mice. Scientific Reports, 2019, 9, 17497.	3.3	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. Genes, Brain and Behavior, 2018, 17, e12479.	2.2	19
21	Different effects of granulocyte colony-stimulating factor and erythropoietin on erythropoiesis. Stem Cell Research and Therapy, 2018, 9, 119.	5.5	8
22	TRPM8 and RAAS-mediated hypertension is critical for cold-induced immunosuppression in mice. Oncotarget, 2018, 9, 12781-12795.	1.8	15
23	Soluble P-selectin rescues mice from anthrax lethal toxin-induced mortality through PSGL-1 pathway-mediated correction of hemostasis. Virulence, 2017, 8, 1216-1228.	4.4	16
24	Suppressive effect of dengue virus envelope protein domain III on megakaryopoiesis. Virulence, 2017, 8, 1719-1731.	4.4	24
25	Involvement of L-selectin expression inBurkholderia pseudomallei-infected monocytes invading the brain during murine melioidosis. Virulence, 2017, 8, 751-766.	4.4	11
26	Visible Light-Responsive Platinum-Containing Titania Nanoparticle-Mediated Photocatalysis Induces Nucleotide Insertion, Deletion and Substitution Mutations. Nanomaterials, 2017, 7, 2.	4.1	14
27	Antibacterial Properties of Visible-Light-Responsive Carbon-Containing Titanium Dioxide Photocatalytic Nanoparticles against Anthrax. Nanomaterials, 2016, 6, 237.	4.1	21
28	Soluble P-selectin rescues viper venomâ€“induced mortality through anti-inflammatory properties and PSGL-1 pathway-mediated correction of hemostasis. Scientific Reports, 2016, 6, 35868.	3.3	19
29	Altered susceptibility to the bactericidal effect of photocatalytic oxidation by TiO2 is related to colistin resistance development in Acinetobacter baumannii. Applied Microbiology and Biotechnology, 2016, 100, 8549-8561.	3.6	13
30	Nanodiamonds protect skin from ultraviolet B-induced damage in mice. Journal of Nanobiotechnology, 2015, 13, 35.	9.1	47
31	Acquired coagulant factor VIII deficiency induced byBacillus anthracislethal toxin in mice. Virulence, 2015, 6, 466-475.	4.4	13
32	Dengue virus and antiplatelet autoantibodies synergistically induce haemorrhage through Nlrp3-inflammasome and FcÒ¯RIII. Thrombosis and Haemostasis, 2015, 113, 1060-1070.	3.4	35
33	Megakaryocytic differentiation of mouse embryonic stem cells via coculture with immortalized OP9 stromal cells. Experimental Cell Research, 2015, 339, 44-50.	2.6	3
34	Antibacterial property of Ag nanoparticle-impregnated N-doped titania films under visible light. Scientific Reports, 2015, 5, 11978.	3.3	52
35	Differential regulation of caspase-2 in MPP+-induced apoptosis in primary cortical neurons. Experimental Cell Research, 2015, 332, 60-66.	2.6	10
36	Endothelial Cell Sensitization by Death Receptor Fractions of an Antiâ€“Dengue Nonstructural Protein 1 Antibody Induced Plasma Leakage, Coagulopathy, and Mortality in Mice. Journal of Immunology, 2015, 195, 2743-2753.	0.8	32

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37	Alteration of the Phenotypic and Pathogenic Patterns of Burkholderia pseudomallei that Persist in a Soil Environment. American Journal of Tropical Medicine and Hygiene, 2014, 90, 469-479.	1.4	11
38	Cell adhesion as a novel approach to determining the cellular binding motif on the severe acute respiratory syndrome coronavirus spike protein. Journal of Virological Methods, 2014, 201, 1-6.	2.1	11
39	Erythrocytic Mobilization Enhanced by the Granulocyte Colony-Stimulating Factor Is Associated with Reduced Anthrax-Lethal-Toxin-Induced Mortality in Mice. PLoS ONE, 2014, 9, e111149.	2.5	10
40	Antibacterial performance of nanoscaled visible-light responsive platinum-containing titania photocatalyst in vitro and in vivo. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3787-3795.	2.4	20
41	Erythropoiesis Suppression Is Associated with Anthrax Lethal Toxin-Mediated Pathogenic Progression. PLoS ONE, 2013, 8, e71718.	2.5	21
42	Suppressive Effects of Anthrax Lethal Toxin on Megakaryopoiesis. PLoS ONE, 2013, 8, e59512.	2.5	21
43	Platelets in Inflammation and Immune Modulations: Functions Beyond Hemostasis. Archivum Immunologiae Et Therapiae Experimentalis, 2012, 60, 443-451.	2.3	38
44	The influence of nanodiamond on the oxygenation states and micro rheological properties of human red blood cells <italic>in vitro</italic>. Journal of Biomedical Optics, 2012, 17, 101512.	2.6	45
45	Visible lightâ€“responsive core-shell structured In2O3@CaIn2O4 photocatalyst with superior bactericidal properties and biocompatibility. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 609-617.	3.3	31
46	Activated protein C ameliorates Bacillus anthracis lethal toxin-induced lethal pathogenesis in rats. Journal of Biomedical Science, 2012, 19, 98.	7.0	15
47	Bactericidal Effects and Mechanisms of Visible Light-Responsive Titanium Dioxide Photocatalysts on Pathogenic Bacteria. Archivum Immunologiae Et Therapiae Experimentalis, 2012, 60, 267-275.	2.3	160
48	The Use of Nanoscale Visible Light-Responsive Photocatalyst TiO2-Pt for the Elimination of Soil-Borne Pathogens. PLoS ONE, 2012, 7, e31212.	2.5	24
49	Visible Light Responsive Photocatalyst Induces Progressive and Apical-Terminus Preferential Damages on Escherichia coli Surfaces. PLoS ONE, 2011, 6, e19982.	2.5	30
50	Dendritic cells modulate platelet activity in IVIg-mediated amelioration of ITP in mice. Blood, 2010, 116, 5002-5009.	1.4	53
51	A comparative study of the bactericidal effect of photocatalytic oxidation by TiO₂ on antibioticâ€resistant and antibioticâ€sensitive bacteria. Journal of Chemical Technology and Biotechnology, 2010, 85, 1642-1653.	3.2	90
52	Bactericidal Performance of Visible-Light Responsive Titania Photocatalyst with Silver Nanostructures. PLoS ONE, 2010, 5, e10394.	2.5	57
53	Sublethal Doses of Anthrax Lethal Toxin on the Suppression of Macrophage Phagocytosis. PLoS ONE, 2010, 5, e14289.	2.5	20
54	The effects of the bacterial interaction with visible-light responsive titania photocatalyst on the bactericidal performance. Journal of Biomedical Science, 2009, 16, 7.	7.0	103

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55	Role of Visible Light-Activated Photocatalyst on the Reduction of Anthrax Spore-Induced Mortality in Mice. PLoS ONE, 2009, 4, e4167.	2.5	43
56	Characterization of Early Gamma Interferon (IFN-Î³) Expression during Murine Listeriosis: Identification of NK1.1 + CD11c + Cells as the Primary IFN-Î³-Expressing Cells. Infection and Immunity, 2007, 75, 1167-1176.	2.2	17
57	RHODOSTOMIN, A SNAKE VENOM DISINTEGRIN, SERVED AS A MOLECULAR TOOL TO DISSECT THE INTEGRIN FUNCTION. Toxin Reviews, 2007, 26, 189-202.	3.4	2
58	Antiplatelet autoantibodies elicited by dengue virus nonâ€structural protein 1 cause thrombocytopenia and mortality in mice. Journal of Thrombosis and Haemostasis, 2007, 5, 2291-2299.	3.8	118
59	Single-step purification of recombinant anthrax lethal factor from periplasm of Escherichia coli. Journal of Biotechnology, 2006, 126, 277-285.	3.8	11
60	Visible-Light-Induced Bactericidal Activity of a Nitrogen-Doped Titanium Photocatalyst against Human Pathogens. Applied and Environmental Microbiology, 2006, 72, 6111-6116.	3.1	193
61	Calcium oscillation and phosphatidylinositol 3-kinase positively regulate integrin Î±IIbÎ²3-mediated outside-in signaling. Journal of Biomedical Science, 2005, 12, 321-333.	7.0	19
62	PI3-kinase is essential for ADP-stimulated integrin Î±IIbÎ²3-mediated platelet calcium oscillation, implications for P2Y receptor pathways in integrin Î±IIbÎ²3-initiated signaling cross-talks. Journal of Biomedical Science, 2005, 12, 937-948.	7.0	17
63	The integrin Î±6Î²1 modulation of PI3K and Cdc42 activities induces dynamic filopodium formation in human platelets. Journal of Biomedical Science, 2005, 12, 881-898.	7.0	38
64	RECOMBINANT SNAKE DISINTEGRINS USED FOR MAMMALIAN INTEGRIN STUDY. Toxin Reviews, 2005, 24, 95-111.	3.4	3
65	Antiplatelet Activities of Anthrax Lethal Toxin Are Associated with Suppressed p42/44 and p38 Mitogenâ€Activated Protein Kinase Pathways in the Platelets. Journal of Infectious Diseases, 2005, 192, 1465-1474.	4.0	49
66	Cell-adhesion and morphological changes are not sufficient to support anchorage-dependent cell growth via non-integrin-mediated attachment. Cell Biology International, 2003, 27, 123-133.	3.0	12
67	Differential regulation of JNK in caspase-3-mediated apoptosis of MPP+-treated primary cortical neurons. Cell Biology International, 2003, 27, 769-777.	3.0	16
68	Facilitation of Cell Adhesion by Immobilized Dengue Viral Nonstructural Protein 1 (NS1): Arginineâ€Glycineâ€Aspartic Acid Structural Mimicry within the Dengue Viral NS1 Antigen. Journal of Infectious Diseases, 2002, 186, 743-751.	4.0	60
69	Positional importance of Pro53 adjacent to the Arg49-Gly50-Asp51 sequence of rhodostomin in binding to integrin Î±IIbÎ²3. Biochemical Journal, 2001, 357, 57.	3.7	20
70	Positional importance of Pro53 adjacent to the Arg49-Gly50-Asp51 sequence of rhodostomin in binding to integrin Î±IIbÎ²3. Biochemical Journal, 2001, 357, 57-64.	3.7	26
71	Receptor-mediated endocytosis as a selection force to enrich bacteria expressing rhodostomin on their surface. Journal of Biomedical Science, 2000, 7, 42-50.	7.0	12
72	DNA vaccination using the fragment C of botulinum neurotoxin type A provided protective immunity in mice. Journal of Biomedical Science, 2000, 7, 51-57.	7.0	32

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73	Modification with a phosphorylation tag of PKA in the TraT-based display vector of Escherichia coli. Journal of Biotechnology, 2000, 78, 115-122.	3.8	16
74	Expression of Foreign Antigens on the Surface of Escherichia coli by Fusion to the Outer Membrane Protein TraT. Journal of Biomedical Science, 1999, 6, 64-70.	7.0	5
75	Expression of foreign antigens on the surface ofEscherichia coli by fusion to the outer membrane protein TraT. Journal of Biomedical Science, 1999, 6, 64-70.	7.0	23
76	Recombinant Rhodostomin Substrates Induce Transformation and Active Calcium Oscillation in Human Platelets. Experimental Cell Research, 1999, 250, 387-400.	2.6	35
77	Full-spreading platelets induced by the recombinant rhodostomin are via binding to integrins and correlated with FAK phosphorylation. Toxicon, 1998, 36, 1087-1099.	1.6	28
78	Glutathione S-transferase-rhodostomin fusion protein inhibits platelet aggregation and induces platelet shape change. Toxicon, 1997, 35, 195-204.	1.6	27
79	Application of recombinant rhodostomin in studying cell adhesion. Journal of Biomedical Science, 1997, 4, 235-243.	7.0	30
80	Rhodostomin, an RGD-Containing Peptide Expressed from a Synthetic Gene in Escherichia coli, Facilitates the Attachment of Human Hepatoma Cells. Biochemical and Biophysical Research Communications, 1993, 190, 242-249.	2.1	40