

Hsin-Hou Chang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6573690/publications.pdf>

Version: 2024-02-01

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	Visible-Light-Induced Bactericidal Activity of a Nitrogen-Doped Titanium Photocatalyst against Human Pathogens. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6111-6116.	3.1	193
2	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.	2.3	160
3	Antiplatelet autoantibodies elicited by dengue virus nonstructural protein 1 cause thrombocytopenia and mortality in mice. <i>Journal of Thrombosis and Haemostasis</i> , 2007, 5, 2291-2299.	3.8	118
4	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.	7.0	103
5	A comparative study of the bactericidal effect of photocatalytic oxidation by TiO ₂ on antibiotic-resistant and antibiotic-sensitive bacteria. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1642-1653.	3.2	90
6	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.	4.0	60
7	Bactericidal Performance of Visible-Light Responsive Titania Photocatalyst with Silver Nanostructures. <i>PLoS ONE</i> , 2010, 5, e10394.	2.5	57
8	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.	4.1	54
9	Dendritic cells modulate platelet activity in IVIg-mediated amelioration of ITP in mice. <i>Blood</i> , 2010, 116, 5002-5009.	1.4	53
10	Antibacterial property of Ag nanoparticle-impregnated N-doped titania films under visible light. <i>Scientific Reports</i> , 2015, 5, 11978.	3.3	52
11	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.	4.0	49
12	Nanodiamonds protect skin from ultraviolet B-induced damage in mice. <i>Journal of Nanobiotechnology</i> , 2015, 13, 35.	9.1	47
13	The influence of nanodiamond on the oxygenation states and micro rheological properties of human red blood cells <italic>in vitro</italic>. <i>Journal of Biomedical Optics</i> , 2012, 17, 101512.	2.6	45
14	Role of Visible Light-Activated Photocatalyst on the Reduction of Anthrax Spore-Induced Mortality in Mice. <i>PLoS ONE</i> , 2009, 4, e4167.	2.5	43
15	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.	2.1	40
16	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.	7.0	38
17	Platelets in Inflammation and Immune Modulations: Functions Beyond Hemostasis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2012, 60, 443-451.	2.3	38
18	Recombinant Rhodostomin Substrates Induce Transformation and Active Calcium Oscillation in Human Platelets. <i>Experimental Cell Research</i> , 1999, 250, 387-400.	2.6	35

#	ARTICLE	IF	CITATIONS
19	Dengue virus and antiplatelet autoantibodies synergistically induce haemorrhage through Nlrp3-inflammasome and FcγRIII. <i>Thrombosis and Haemostasis</i> , 2015, 113, 1060-1070.	3.4	35
20	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.	7.0	32
21	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.	0.8	32
22	Visible light-“responsive core-shell structured In ₂ O ₃ @CaIn ₂ O ₄ photocatalyst with superior bactericidal properties and biocompatibility. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 609-617.	3.3	31
23	Application of recombinant rhodostomin in studying cell adhesion. <i>Journal of Biomedical Science</i> , 1997, 4, 235-243.	7.0	30
24	Visible Light Responsive Photocatalyst Induces Progressive and Apical-Terminus Preferential Damages on Escherichia coli Surfaces. <i>PLoS ONE</i> , 2011, 6, e19982.	2.5	30
25	PKCδ 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.	2.9	29
26	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.	1.6	28
27	Glutathione S-transferase-rhodostomin fusion protein inhibits platelet aggregation and induces platelet shape change. <i>Toxicon</i> , 1997, 35, 195-204.	1.6	27
28	Positional importance of Pro53 adjacent to the Arg49-Gly50-Asp51 sequence of rhodostomin in binding to integrin αIIbβ ₃ . <i>Biochemical Journal</i> , 2001, 357, 57-64.	3.7	26
29	Silver Nanoparticles Protect Skin from Ultraviolet B-Induced Damage in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7082.	4.1	26
30	Suppressive effect of dengue virus envelope protein domain III on megakaryopoiesis. <i>Virulence</i> , 2017, 8, 1719-1731.	4.4	24
31	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.	4.8	24
32	The Use of Nanoscale Visible Light-Responsive Photocatalyst TiO ₂ -Pt for the Elimination of Soil-Borne Pathogens. <i>PLoS ONE</i> , 2012, 7, e31212.	2.5	24
33	Expression of foreign antigens on the surface of Escherichia coli by fusion to the outer membrane protein TraT. <i>Journal of Biomedical Science</i> , 1999, 6, 64-70.	7.0	23
34	Thioacetamide-induced liver damage and thrombocytopenia is associated with induction of antiplatelet autoantibody in mice. <i>Scientific Reports</i> , 2019, 9, 17497.	3.3	23
35	Erythropoiesis Suppression Is Associated with Anthrax Lethal Toxin-Mediated Pathogenic Progression. <i>PLoS ONE</i> , 2013, 8, e71718.	2.5	21
36	Antibacterial Properties of Visible-Light-Responsive Carbon-Containing Titanium Dioxide Photocatalytic Nanoparticles against Anthrax. <i>Nanomaterials</i> , 2016, 6, 237.	4.1	21

#	ARTICLE	IF	CITATIONS
37	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.	4.8	21
38	Suppressive Effects of Anthrax Lethal Toxin on Megakaryopoiesis. <i>PLoS ONE</i> , 2013, 8, e59512.	2.5	21
39	Positional importance of Pro53 adjacent to the Arg49-Gly50-Asp51 sequence of rhodostomin in binding to integrin α IIb β 3. <i>Biochemical Journal</i> , 2001, 357, 57.	3.7	20
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.	2.4	20
41	Sublethal Doses of Anthrax Lethal Toxin on the Suppression of Macrophage Phagocytosis. <i>PLoS ONE</i> , 2010, 5, e14289.	2.5	20
42	Calcium oscillation and phosphatidylinositol 3-kinase positively regulate integrin α IIb β 3-mediated outside-in signaling. <i>Journal of Biomedical Science</i> , 2005, 12, 321-333.	7.0	19
43	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.	3.3	19
44	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.	2.2	19
45	Raman spectroscopy on live mouse early embryo while it continues to develop into blastocyst in vitro. <i>Scientific Reports</i> , 2019, 9, 6636.	3.3	18
46	PI3-kinase is essential for ADP-stimulated integrin α IIb β 3-mediated platelet calcium oscillation, implications for P2Y receptor pathways in integrin α IIb β 3-initiated signaling cross-talks. <i>Journal of Biomedical Science</i> , 2005, 12, 937-948.	7.0	17
47	Characterization of Early Gamma Interferon (IFN- γ) Expression during Murine Listeriosis: Identification of NK1.1 + CD11c + Cells as the Primary IFN- γ -Expressing Cells. <i>Infection and Immunity</i> , 2007, 75, 1167-1176.	2.2	17
48	Modification with a phosphorylation tag of PKA in the TraT-based display vector of Escherichia coli. <i>Journal of Biotechnology</i> , 2000, 78, 115-122.	3.8	16
49	Differential regulation of JNK in caspase-3-mediated apoptosis of MPP+-treated primary cortical neurons. <i>Cell Biology International</i> , 2003, 27, 769-777.	3.0	16
50	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.	4.4	16
51	Dengue Virus Envelope Protein Domain III Induces Nlrp3 Inflammasome-Dependent NETosis-Mediated Inflammation in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 618577.	4.8	16
52	Activated protein C ameliorates Bacillus anthracis lethal toxin-induced lethal pathogenesis in rats. <i>Journal of Biomedical Science</i> , 2012, 19, 98.	7.0	15
53	TRPM8 and RAAS-mediated hypertension is critical for cold-induced immunosuppression in mice. <i>Oncotarget</i> , 2018, 9, 12781-12795.	1.8	15
54	Visible Light-Responsive Platinum-Containing Titania Nanoparticle-Mediated Photocatalysis Induces Nucleotide Insertion, Deletion and Substitution Mutations. <i>Nanomaterials</i> , 2017, 7, 2.	4.1	14

#	ARTICLE	IF	CITATIONS
55	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.	3.3	14
56	Acquired coagulant factor VIII deficiency induced by <i>Bacillus anthracis</i> lethal toxin in mice. <i>Virulence</i> , 2015, 6, 466-475.	4.4	13
57	Altered susceptibility to the bactericidal effect of photocatalytic oxidation by TiO ₂ is related to colistin resistance development in <i>Acinetobacter baumannii</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8549-8561.	3.6	13
58	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.	7.0	12
59	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.	3.0	12
60	Single-step purification of recombinant anthrax lethal factor from periplasm of <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2006, 126, 277-285.	3.8	11
61	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.	1.4	11
62	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.	2.1	11
63	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.	4.4	11
64	Activating Transcription Factor 3 Protects against Restraint Stress-Induced Gastrointestinal Injury in Mice. <i>Cells</i> , 2021, 10, 3530.	4.1	11
65	Differential regulation of caspase-2 in MPP ⁺ -induced apoptosis in primary cortical neurons. <i>Experimental Cell Research</i> , 2015, 332, 60-66.	2.6	10
66	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.	2.5	10
67	Opportunistic gill infection is associated with TiO ₂ nanoparticle-induced mortality in zebrafish. <i>PLoS ONE</i> , 2021, 16, e0247859.	2.5	9
68	Different effects of granulocyte colony-stimulating factor and erythropoietin on erythropoiesis. <i>Stem Cell Research and Therapy</i> , 2018, 9, 119.	5.5	8
69	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.	3.2	8
70	Visible-Light-Responsive Antibacterial Property of Boron-Doped Titania Films. <i>Catalysts</i> , 2020, 10, 1349.	3.5	8
71	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.	4.8	8
72	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.	7.0	5

#	ARTICLE	IF	CITATIONS
73	AQP0 is a novel surface marker for deciphering abnormal erythropoiesis. Stem Cell Research and Therapy, 2021, 12, 274.	5.5	4
74	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
75	Emerging role of the itaconate-mediated rescue of cellular metabolic stress. Tzu Chi Medical Journal, 2022, 34, 134.	1.1	4
76	Hematopoietic stem cell mobilization. Tzu Chi Medical Journal, 2022, 34, 270.	1.1	4
77	RECOMBINANT SNAKE DISINTEGRINS USED FOR MAMMALIAN INTEGRIN STUDY. Toxin Reviews, 2005, 24, 95-111.	3.4	3
78	Megakaryocytic differentiation of mouse embryonic stem cells via coculture with immortalized OP9 stromal cells. Experimental Cell Research, 2015, 339, 44-50.	2.6	3
79	Correlation of Body Mass Index and Proinflammatory Cytokine Levels with Hematopoietic Stem Cell Mobilization. Journal of Clinical Medicine, 2022, 11, 4169.	2.4	3
80	RHODOSTOMIN, A SNAKE VENOM DISINTEGRIN, SERVED AS A MOLECULAR TOOL TO DISSECT THE INTEGRIN FUNCTION. Toxin Reviews, 2007, 26, 189-202.	3.4	2