

Hui-Chih Hung

List of Publications by Year in descending order

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papers

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citations

279701

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docs citations

79
times ranked

1798
citing authors

#	ARTICLE	IF	CITATIONS
1	Ornithine decarboxylase functions in both autophagy and apoptosis in response to ultraviolet B radiation injury. <i>Journal of Cellular Physiology</i> , 2022, .	2.0	3
2	Peptidylarginine deiminase 2 promotes T helper 17-like T cell activation and activated T cell-autonomous death (ACAD) through an endoplasmic reticulum stress and autophagy coupling mechanism. <i>Cellular and Molecular Biology Letters</i> , 2022, 27, 19.	2.7	4
3	Regulation of polyamine homeostasis through an antizyme citrullination pathway. <i>Journal of Cellular Physiology</i> , 2021, 236, 5646-5663.	2.0	2
4	Single nucleotide variants lead to dysregulation of the human mitochondrial NAD(P) ⁺ -dependent malic enzyme. <i>IScience</i> , 2021, 24, 102034.	1.9	3
5	Long, Noncoding RNA SRA Induces Apoptosis of β -Cells by Promoting the IRAK1/LDHA/Lactate Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1720.	1.8	10
6	miR-302 Attenuates Mutant Huntingtin-Induced Cytotoxicity through Restoration of Autophagy and Insulin Sensitivity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8424.	1.8	9
7	Baicalein, 7,8-Dihydroxyflavone and Myricetin as Potent Inhibitors of Human Ornithine Decarboxylase. <i>Nutrients</i> , 2020, 12, 3867.	1.7	6
8	The Pluripotency Factor Nanog Protects against Neuronal Amyloid β -Induced Toxicity and Oxidative Stress through Insulin Sensitivity Restoration. <i>Cells</i> , 2020, 9, 1339.	1.8	4
9	Functional Roles of Metabolic Intermediates in Regulating the Human Mitochondrial NAD(P) ⁺ -Dependent Malic Enzyme. <i>Scientific Reports</i> , 2019, 9, 9081.	1.6	15
10	Critical Factors in Human Antizymes that Determine the Differential Binding, Inhibition, and Degradation of Human Ornithine Decarboxylase. <i>Biomolecules</i> , 2019, 9, 864.	1.8	2
11	β stimulates microglial activation through antizyme-dependent downregulation of ornithine decarboxylase. <i>Journal of Cellular Physiology</i> , 2019, 234, 9733-9745.	2.0	13
12	Molecular Interplay between the Dimer Interface and the Substrate-Binding Site of Human Peptidylarginine Deiminase 4. <i>Scientific Reports</i> , 2017, 7, 42662.	1.6	10
13	Probing the Roles of Calcium-Binding Sites during the Folding of Human Peptidylarginine Deiminase 4. <i>Scientific Reports</i> , 2017, 7, 2429.	1.6	17
14	[P3 ¹²¹]: ROLES OF ORNITHINE DECARBOXYLASE (ODC) IN REGULATION OF AMYLOID β -INDUCED MICROGLIAL NEUROINFLAMMATION. <i>Alzheimer's and Dementia</i> , 2017, 13, P981.	0.4	0
15	A molecular signature of preclinical rheumatoid arthritis triggered by dysregulated PTPN22. <i>JCI Insight</i> , 2016, 1, e90045.	2.3	50
16	Dibenzoylmethane, hydroxydibenzoylmethane and hydroxymethyldibenzoylmethane inhibit phorbol-12-myristate 13-acetate-induced breast carcinoma cell invasion. <i>Molecular Medicine Reports</i> , 2015, 11, 4597-4604.	1.1	9
17	A small-molecule inhibitor suppresses the tumor-associated mitochondrial NAD(P) ⁺ -dependent malic enzyme (ME2) and induces cellular senescence. <i>Oncotarget</i> , 2015, 6, 20084-20098.	0.8	25
18	Humic Acid Increases Amyloid β -Induced Cytotoxicity by Induction of ER Stress in Human SK-N-MC Neuronal Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 10426-10442.	1.8	10

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19	4-Phenylbutyric Acid (4-PBA) and Lithium Cooperatively Attenuate Cell Death during Oxygenâ€“Glucose Deprivation (OGD) and Reoxygenation. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 849-859.	1.7	14
20	Structural basis of antizyme-mediated regulation of polyamine homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11229-11234.	3.3	62
21	Human Mitochondrial NAD(P) + â€“Dependent Malic Enzyme Participates in Cutaneous Melanoma Progression and Invasion. <i>Journal of Investigative Dermatology</i> , 2015, 135, 807-815.	0.3	39
22	Multifaceted interactions and regulation between antizyme and its interacting proteins cyclin D1, ornithine decarboxylase and antizyme inhibitor. <i>Oncotarget</i> , 2015, 6, 23917-23929.	0.8	13
23	Fumarate Analogs Act as Allosteric Inhibitors of the Human Mitochondrial NAD(P)+-Dependent Malic Enzyme. <i>PLoS ONE</i> , 2014, 9, e98385.	1.1	11
24	Vimentin Is Involved in Peptidylarginine Deiminase 2-Induced Apoptosis of Activated Jurkat Cells. <i>Molecules and Cells</i> , 2014, 37, 426-434.	1.0	38
25	Pine (<i>Pinus morrisonicola</i> Hayata) Needle Extracts Sensitize GBM8901 Human Glioblastoma Cells to Temozolomide by Downregulating Autophagy and ⁶ -Methylguanine-DNA Methyltransferase Expression. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10458-10467.	2.4	27
26	207: A tea polyphenol epigallocatechin gallate (EGCG) displays a superior effect on enzyme inhibition of human ornithine decarboxylase. <i>European Journal of Cancer</i> , 2014, 50, S47.	1.3	0
27	Structural characteristics of the nonallosteric human cytosolic malic enzyme. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1773-1783.	1.1	19
28	Functional Roles of the Dimer-Interface Residues in Human Ornithine Decarboxylase. <i>PLoS ONE</i> , 2014, 9, e104865.	1.1	9
29	Functional Roles of the Non-Catalytic Calcium-Binding Sites in the N-Terminal Domain of Human Peptidylarginine Deiminase 4. <i>PLoS ONE</i> , 2013, 8, e51660.	1.1	18
30	261 Characterization of the Novel Proteins From Ornithine Decarboxylase Antizyme-1 Affinity Protein Complex. <i>European Journal of Cancer</i> , 2012, 48, S64.	1.3	0
31	288 Functional Roles of the Multiple Calcium Binding Sites in the N-terminal Domain of Human Peptidylarginine Deiminase 4 (PAD4). <i>European Journal of Cancer</i> , 2012, 48, S70-S71.	1.3	0
32	Biophysical Characterization of the Dimer and Tetramer Interface Interactions of the Human Cytosolic Malic Enzyme. <i>PLoS ONE</i> , 2012, 7, e50143.	1.1	11
33	Critical Factors Governing the Difference in Antizyme-Binding Affinities between Human Ornithine Decarboxylase and Antizyme Inhibitor. <i>PLoS ONE</i> , 2011, 6, e19253.	1.1	19
34	Determinants of Nucleotide-Binding Selectivity of Malic Enzyme. <i>PLoS ONE</i> , 2011, 6, e25312.	1.1	16
35	Determinants of the Differential Antizyme-Binding Affinity of Ornithine Decarboxylase. <i>PLoS ONE</i> , 2011, 6, e26835.	1.1	14
36	Ornithine decarboxylase prevents dibenzoylmethaneâ€“induced apoptosis through repressing reactive oxygen species generation. <i>Journal of Biochemical and Molecular Toxicology</i> , 2011, 25, 312-319.	1.4	13

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37	Hydroxydibenzoylmethane induces apoptosis through repressing ornithine decarboxylase in human promyelocytic leukemia HL-60 cells. <i>Experimental and Molecular Medicine</i> , 2011, 43, 189.	3.2	11
38	Functional Role of Dimerization of Human Peptidylarginine Deiminase 4 (PAD4). <i>PLoS ONE</i> , 2011, 6, e21314.	1.1	68
39	Minimal Antizyme Peptide Fully Functioning in the Binding and Inhibition of Ornithine Decarboxylase and Antizyme Inhibitor. <i>PLoS ONE</i> , 2011, 6, e24366.	1.1	14
40	Overexpression of Ornithine Decarboxylase Suppresses Thapsigargin-Induced Apoptosis. <i>Molecules and Cells</i> , 2010, 30, 311-318.	1.0	10
41	Structure of <i>Stenotrophomonas maltophilia</i> FeoA complexed with zinc: a unique prokaryotic SH3-domain protein that possibly acts as a bacterial ferrous iron-transport activating factor. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 636-642.	0.7	29
42	Effects of C-terminal truncation on autocatalytic processing of <i>Bacillus licheniformis</i> β -glutamyl transpeptidase. <i>Biochemistry (Moscow)</i> , 2010, 75, 919-929.	0.7	16
43	Dual roles of Lys57 at the dimer interface of human mitochondrial NAD(P) ⁺ -dependent malic enzyme. <i>Biochemical Journal</i> , 2009, 420, 201-209.	1.7	8
44	Functional Roles of the Tetramer Organization of Malic Enzyme. <i>Journal of Biological Chemistry</i> , 2009, 284, 18096-18105.	1.6	30
45	Engineering of the Cofactor Specificities and Isoform-specific Inhibition of Malic Enzyme. <i>Journal of Biological Chemistry</i> , 2009, 284, 4536-4544.	1.6	12
46	Critical Factors Determining Dimerization of Human Antizyme Inhibitor. <i>Journal of Biological Chemistry</i> , 2009, 284, 26768-26777.	1.6	21
47	Effects of structural analogues of the substrate and allosteric regulator of the human mitochondrial NAD(P) ⁺ -dependent malic enzyme. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5414-5419.	1.4	13
48	Functional role of fumarate site Glu59 involved in allosteric regulation and subunit-subunit interaction of human mitochondrial NAD(P) ⁺ -dependent malic enzyme. <i>FEBS Journal</i> , 2009, 276, 983-994.	2.2	11
49	Long-range interaction between the enzyme active site and a distant allosteric site in the human mitochondrial NAD(P) ⁺ -dependent malic enzyme. <i>Archives of Biochemistry and Biophysics</i> , 2009, 487, 19-27.	1.4	8
50	Structural studies of the pigeon cytosolic NADP ⁺ -dependent malic enzyme. <i>Protein Science</i> , 2009, 11, 332-341.	3.1	69
51	Ornithine decarboxylase interferes with macrophage-like differentiation and matrix metalloproteinase-9 expression by tumor necrosis factor alpha via NF- κ B. <i>Leukemia Research</i> , 2008, 32, 1124-1140.	0.4	9
52	Ornithine decarboxylase attenuates leukemic chemotherapy drugs-induced cell apoptosis and arrest in human promyelocytic HL-60 cells. <i>Leukemia Research</i> , 2008, 32, 1530-1540.	0.4	26
53	Influential factor contributing to the isoform-specific inhibition by ATP of human mitochondrial NAD(P) ⁺ -dependent malic enzyme. <i>FEBS Journal</i> , 2008, 275, 5383-5392.	2.2	12
54	Curcumin induces apoptosis through an ornithine decarboxylase-dependent pathway in human promyelocytic leukemia HL-60 cells. <i>Life Sciences</i> , 2008, 82, 367-375.	2.0	42

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55	Structural variation manipulates the differential oxidative susceptibility and conformational stability of apolipoprotein E isoforms. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 68, 363-374.	1.5	3
56	The functional haplotype of peptidylarginine deiminase IV (S55G, A82V and A112G) associated with susceptibility to rheumatoid arthritis dominates apoptosis of acute T leukemia Jurkat cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 475-487.	2.2	23
57	Overexpression of peptidylarginine deiminase IV features in apoptosis of haematopoietic cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 183-196.	2.2	69
58	Increasing ornithine decarboxylase activity is another way of prolactin preventing methotrexate-induced apoptosis: Crosstalk between ODC and BCL-2. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 389-399.	2.2	27
59	Antizyme, a natural ornithine decarboxylase inhibitor, induces apoptosis of haematopoietic cells through mitochondrial membrane depolarization and caspases' cascade. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1773-1788.	2.2	18
60	Determinants of the Dual Cofactor Specificity and Substrate Cooperativity of the Human Mitochondrial NAD(P) ⁺ -dependent Malic Enzyme. <i>Journal of Biological Chemistry</i> , 2006, 281, 23237-23245.	1.6	39
61	A continuous spectrophotometric assay method for peptidylarginine deiminase type 4 activity. <i>Analytical Biochemistry</i> , 2005, 347, 176-181.	1.1	28
62	Ornithine decarboxylase prevents tumor necrosis factor alpha-induced apoptosis by decreasing intracellular reactive oxygen species. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 569-581.	2.2	34
63	Ornithine decarboxylase prevents methotrexate-induced apoptosis by reducing intracellular reactive oxygen species production. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 895-907.	2.2	81
64	Characterization of the functional role of allosteric site residue Asp102 in the regulatory mechanism of human mitochondrial NAD(P) ⁺ -dependent malate dehydrogenase (malic enzyme). <i>Biochemical Journal</i> , 2005, 392, 39-45.	1.7	27
65	Functional Roles of ATP-Binding Residues in the Catalytic Site of Human Mitochondrial NAD(P) ⁺ -Dependent Malic Enzyme. <i>Biochemistry</i> , 2005, 44, 12737-12745.	1.2	23
66	The PKC delta inhibitor, rottlerin, induces apoptosis of haematopoietic cell lines through mitochondrial membrane depolarization and caspases' cascade. <i>Life Sciences</i> , 2005, 77, 707-719.	2.0	45
67	Metal-Induced reversible structural interconversion of human mitochondrial NAD(P) ⁺ -Dependent malic enzyme. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 54, 404-411.	1.5	4
68	Dual Functional Roles of ATP in the Human Mitochondrial Malic Enzyme. <i>Biochemistry</i> , 2004, 43, 7382-7390.	1.2	29
69	Equilibrium Protein Folding—Unfolding Process Involving Multiple Intermediates. <i>Bulletin of Mathematical Biology</i> , 2003, 65, 553-570.	0.9	15
70	Multiple Unfolding Intermediates of Human Placental Alkaline Phosphatase in Equilibrium Urea Denaturation. <i>Biophysical Journal</i> , 2001, 81, 3456-3471.	0.2	39
71	Differentiation of the slow-binding mechanism for magnesium ion activation and zinc ion inhibition of human placental alkaline phosphatase. <i>Protein Science</i> , 2001, 10, 34-45.	3.1	28
72	Potent and Competitive Inhibition of Malic Enzymes by Lanthanide Ions. <i>Biochemical and Biophysical Research Communications</i> , 2000, 274, 440-444.	1.0	29

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73	Slow Binding of Metal Ions to Pigeon Liver Malic Enzyme: A General Case. Biochemistry, 2000, 39, 14095-14102.	1.2	13
74	Partitioning of 4-nitrophenol in aerosol-OT reverse micelles. Journal of the Chemical Society Perkin Transactions II, 1999, , 2177-2182.	0.9	11
75	Inhibitory effect of magnesium ion on the human placental alkaline phosphatase-catalyzed reaction in a reverse micellar system. The Protein Journal, 1998, 17, 99-106.	1.1	4
76	Biphasic denaturation of human placental alkaline phosphatase in guanidinium chloride. , 1998, 33, 49-61.		10
77	Solvent kinetic isotope effects of human placental alkaline phosphatase in reverse micelles. Biochemical Journal, 1998, 330, 267-275.	1.7	17
78	Reverse micelles as a model system with which to study leaving group effects on alkaline phosphatase-catalysed hydrolysis. Journal of the Chemical Society Perkin Transactions II, 1997, , 2757-2760.	0.9	8