

Hyangshuk Rhim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12075136/publications.pdf>

Version: 2024-02-01

56
papers

1,311
citations

331670

21
h-index

377865

34
g-index

56
all docs

56
docs citations

56
times ranked

1881
citing authors

#	ARTICLE	IF	CITATIONS
1	The novel human HtrA2 ortholog in zebrafish: New molecular insight and challenges into the imbalance of homeostasis. <i>Gene</i> , 2022, 819, 146263.	2.2	0
2	ALS-Related Mutant SOD1 Aggregates Interfere with Mitophagy by Sequestering the Autophagy Receptor Optineurin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7525.	4.1	24
3	Serine Protease HtrA2/Omi Deficiency Impairs Mitochondrial Homeostasis and Promotes Hepatic Fibrogenesis via Activation of Hepatic Stellate Cells. <i>Cells</i> , 2019, 8, 1119.	4.1	16
4	Hip2 ubiquitin-conjugating enzyme has a role in UV-induced G1/S arrest and re-entry. <i>Genes and Genomics</i> , 2019, 41, 159-166.	1.4	14
5	Quantitative biochemical characterization and biotechnological production of caspase modulator, XIAP: Therapeutic implications for apoptosis-associated diseases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1602-1611.	2.4	5
6	Cold atmospheric plasma (CAP), a novel physicochemical source, induces neural differentiation through cross-talk between the specific RONS cascade and Trk/Ras/ERK signaling pathway. <i>Biomaterials</i> , 2018, 156, 258-273.	11.4	46
7	NABi, a novel β -sheet breaker, inhibits $A\beta$ aggregation and neuronal toxicity: Therapeutic implications for Alzheimer's disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 71-80.	2.4	3
8	ALS-linked mutant SOD1 proteins promote $A\beta$ aggregates in ALS through direct interaction with $A\beta$. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 697-707.	2.1	9
9	Harmless effects of argon plasma on caudal fin regeneration and embryogenesis of zebrafish: novel biological approaches for safe medical applications of bioplasma. <i>Experimental and Molecular Medicine</i> , 2017, 49, e355-e355.	7.7	7
10	Amyotrophic lateral sclerosis-related mutant superoxide dismutase 1 aggregates inhibit 14-3-3-mediated cell survival by sequestration into the JUNQ compartment. <i>Human Molecular Genetics</i> , 2017, 26, 3615-3629.	2.9	18
11	Pathogenic Role of Serine Protease HtrA2/Omi in Neurodegenerative Diseases. <i>Current Protein and Peptide Science</i> , 2017, 18, 746-757.	1.4	14
12	HtrA2 suppresses autoimmune arthritis and regulates activation of STAT3. <i>Scientific Reports</i> , 2016, 6, 39393.	3.3	22
13	A novel link between the conformations, exposure of specific epitopes, and subcellular localization of β -synuclein. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2497-2505.	2.4	10
14	Celastrol ameliorates HIV-1 Tat-induced inflammatory responses via NF-kappaB and AP-1 inhibition and heme oxygenase-1 induction in astrocytes. <i>Toxicology and Applied Pharmacology</i> , 2014, 280, 42-52.	2.8	46
15	HtrA2/Omi influences the stability of LON protease 1 and prohibitin, proteins involved in mitochondrial homeostasis. <i>Experimental Cell Research</i> , 2014, 328, 456-465.	2.6	26
16	Hip2 ubiquitin-conjugating enzyme overcomes radiation-induced G2/M arrest. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2911-2921.	4.1	14
17	Characterization and Hsp104-induced artificial clearance of familial ALS-related SOD1 aggregates. <i>Biochemical and Biophysical Research Communications</i> , 2013, 434, 521-526.	2.1	9
18	HtrA2/Omi deficiency causes damage and mutation of mitochondrial DNA. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1866-1875.	4.1	52

#	ARTICLE	IF	CITATIONS
19	A Simple and Accurate Genotype Analysis of the motor neuron degeneration 2 (mnd2) Mice: an Easy-to-Follow Guideline and Standard Protocol Applicable to Mutant Mouse Models.. Interdisciplinary Bio Central, 2012, 4, 1-7.	0.1	2
20	HtrA1 Is a Novel Antagonist Controlling Fibroblast Growth Factor (FGF) Signaling via Cleavage of FGF8. Molecular and Cellular Biology, 2012, 32, 4482-4492.	2.3	29
21	A new idea for simple and rapid monitoring of gene expression: requirement of nucleotide sequences encoding an N-terminal HA tag in the T7 promoter-driven expression in E. coli. Biotechnology Letters, 2012, 34, 1841-1846.	2.2	9
22	Matrix metalloproteinase-3 is activated by HtrA2/Omi in dopaminergic cells: Relevance to Parkinson's disease. Neurochemistry International, 2012, 60, 249-256.	3.8	15
23	Effects of Argon-plasma Jet on the Cytoskeleton of Fibroblasts: Implications of a New Approach for Cancer Therapy. KSBB Journal, 2012, 27, 308-312.	0.2	2
24	The serine protease HtrA2 cleaves UCH-L1 and inhibits its hydrolase activity: Implication in the UCH-L1-mediated cell death. Biochemical and Biophysical Research Communications, 2011, 415, 24-29.	2.1	10
25	The sCMV IE enhancer/promoter system for high-level expression and efficient functional studies of target genes in mammalian cells and zebrafish. Biotechnology Letters, 2011, 33, 1319-1326.	2.2	4
26	Improved recovery of active GST-fusion proteins from insoluble aggregates: solubilization and purification conditions using PKM2 and HtrA2 as model proteins. BMB Reports, 2011, 44, 279-284.	2.4	20
27	Hip2 interacts with cyclin B1 and promotes its degradation through the ubiquitin proteasome pathway. FEBS Letters, 2010, 584, 4505-4510.	2.8	14
28	SOX4 overexpression regulates the p53-mediated apoptosis in hepatocellular carcinoma: clinical implication and functional analysis in vitro. Carcinogenesis, 2010, 31, 1298-1307.	2.8	103
29	Hip2 interacts with and destabilizes Smac/DIABLO. Biochemical and Biophysical Research Communications, 2010, 397, 718-723.	2.1	9
30	Intracellular amyloid beta interacts with SOD1 and impairs the enzymatic activity of SOD1: implications for the pathogenesis of amyotrophic lateral sclerosis. Experimental and Molecular Medicine, 2009, 41, 611.	7.7	42
31	Intracellular A β 2 and C99 aggregates induce mitochondria-dependent cell death in human neuroglioma H4 cells through recruitment of the 20S proteasome subunits. Brain Research, 2009, 1273, 1-8.	2.2	19
32	The serine protease HtrA2/Omi cleaves Parkin and irreversibly inactivates its E3 ubiquitin ligase activity. Biochemical and Biophysical Research Communications, 2009, 387, 537-542.	2.1	25
33	PHB2 interacts with RNF2 and represses CP2c-stimulated transcription. Molecular and Cellular Biochemistry, 2008, 319, 69-77.	3.1	22
34	A simple and rapid strategy for the molecular cloning and monitoring of mouse HtrA2 serine protease. Biotechnology Letters, 2008, 30, 397-403.	2.2	1
35	Fine epitope mapping of monoclonal antibodies specific to human α -synuclein. Neuroscience Letters, 2006, 397, 53-58.	2.1	5
36	The homotrimeric structure of HtrA2 is indispensable for executing its serine protease activity. Experimental and Molecular Medicine, 2006, 38, 36-43.	7.7	18

#	ARTICLE	IF	CITATIONS
37	β -Amyloid Precursor Protein Is a Direct Cleavage Target of HtrA2 Serine Protease. <i>Journal of Biological Chemistry</i> , 2006, 281, 34277-34287.	3.4	88
38	E3 ubiquitin ligase RNF2 interacts with the S6 ϵ proteasomal ATPase subunit and increases the ATP hydrolysis activity of S6 ϵ . <i>Biochemical Journal</i> , 2005, 389, 457-463.	3.7	20
39	Autocatalytic Processing of HtrA2/Omi Is Essential for Induction of Caspase-dependent Cell Death through Antagonizing XIAP. <i>Journal of Biological Chemistry</i> , 2004, 279, 37588-37596.	3.4	43
40	Anti-complement effects of anion-substituted poly(vinyl alcohol) membranes. <i>Macromolecular Research</i> , 2004, 12, 46-52.	2.4	3
41	β -Synuclein has structural and functional similarities to small heat shock proteins. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 1352-1359.	2.1	41
42	Functional identification of the pro-apoptotic effector domain in human Sox4. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 59-67.	2.1	38
43	N-terminal truncation circumvents proteolytic degradation of the human HtrA2/Omi serine protease in <i>Escherichia coli</i> : rapid purification of a proteolytically active HtrA2/Omi. <i>Protein Expression and Purification</i> , 2004, 33, 200-208.	1.3	16
44	Alzheimer's disease-associated amyloid beta interacts with the human serine protease HtrA2/Omi. <i>Neuroscience Letters</i> , 2004, 357, 63-67.	2.1	62
45	Antigenicity of the region encoded by exon8 of the human serine protease, HtrA2/Omi, is associated with its protein solubility. <i>Biotechnology Letters</i> , 2003, 25, 1597-1603.	2.2	6
46	Plasma protein adsorption to anion substituted poly(vinyl alcohol) membranes. <i>Macromolecular Research</i> , 2003, 11, 451-457.	2.4	10
47	Sox-4 is a positive regulator of Hep3B and HepG2 cells' apoptosis induced by prostaglandin (PG)A2 and β -12-PGJ2. <i>Experimental and Molecular Medicine</i> , 2002, 34, 243-249.	7.7	44
48	Evidence that β -synuclein functions as a negative regulator of Ca ⁺⁺ -dependent β -granule release from human platelets. <i>Blood</i> , 2002, 100, 2506-2514.	1.4	51
49	Stress-Induced Aggregation Profiles of GST β -Synuclein Fusion Proteins: A Role of the C-Terminal Acidic Tail of β -Synuclein in Protein Thermosolubility and Stability. <i>Biochemistry</i> , 2002, 41, 4137-4146.	2.5	50
50	Induction of apoptosis dependent on caspase activities and growth arrest in HL-60 cells by PGA2. Prostaglandins and Other Lipid Mediators, 2002, 70, 169-183.	1.9	14
51	Rapid purification and analysis of β -synuclein proteins: C-terminal truncation promotes the conversion of β -synuclein into a protease-sensitive form in <i>Escherichia coli</i> . <i>Biotechnology and Applied Biochemistry</i> , 2002, 36, 33.	3.1	22
52	E3 ligase activity of RING finger proteins that interact with Hip ϵ , a human ubiquitin ϵ -conjugating enzyme. <i>FEBS Letters</i> , 2001, 503, 61-64.	2.8	38
53	Identification of cDNAs for Sox-4, an HMG-Box Protein, and a Novel Human Homolog of Yeast Splicing Factor SSF-1 Differentially Regulated during Apoptosis Induced by Prostaglandin A2/ β -12-PGJ2 in Hep3B Cells. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 216-221.	2.1	31
54	The role of c-Myc and heat shock protein 70 in human hepatocarcinoma Hep3B cells during apoptosis induced by prostaglandin A2/ β -12-prostaglandin J2. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998, 1448, 115-125.	4.1	22

#	ARTICLE	IF	CITATIONS
55	RNAs selected in vitro by the HIV-2 tat protein. <i>Journal of Biomedical Science</i> , 1997, 4, 28-34.	7.0	7
56	Functional Significance of the Dinucleotide Bulge in Stem-Loop1 and Stem-Loop2 of HIV-2 TAR RNA. <i>Virology</i> , 1994, 202, 202-211.	2.4	21