

Kwon-Yul Ryu

List of Publications by Year in descending order

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46
papers

2,248
citations

393982

19
h-index

264894

42
g-index

46
all docs

46
docs citations

46
times ranked

2731
citing authors

#	ARTICLE	IF	CITATIONS
1	Global changes to the ubiquitin system in Huntington's disease. <i>Nature</i> , 2007, 448, 704-708.	13.7	478
2	Expression, Exon-Intron Organization, and Chromosome Mapping of the Human Sodium Iodide Symporter. <i>Endocrinology</i> , 1997, 138, 3555-3558.	1.4	191
3	An Immunohistochemical Study of Na ⁺ /I ⁻ Symporter in Human Thyroid Tissues and Salivary Gland Tissues. <i>Endocrinology</i> , 1998, 139, 4416-4419.	1.4	175
4	Ubiquitin accumulation in autophagy-deficient mice is dependent on the Nrf2-mediated stress response pathway: a potential role for protein aggregation in autophagic substrate selection. <i>Journal of Cell Biology</i> , 2010, 191, 537-552.	2.3	156
5	Phosphorylation of Mitochondrial Polyubiquitin by PINK1 Promotes Parkin Mitochondrial Tethering. <i>PLoS Genetics</i> , 2014, 10, e1004861.	1.5	140
6	The mouse polyubiquitin gene <i>Ubc</i> is essential for fetal liver development, cell-cycle progression and stress tolerance. <i>EMBO Journal</i> , 2007, 26, 2693-2706.	3.5	138
7	Cellular ubiquitin pool dynamics and homeostasis. <i>BMB Reports</i> , 2014, 47, 475-482.	1.1	99
8	The Mouse Polyubiquitin Gene <i>Ubb</i> Is Essential for Meiotic Progression. <i>Molecular and Cellular Biology</i> , 2008, 28, 1136-1146.	1.1	87
9	Hypothalamic neurodegeneration and adult-onset obesity in mice lacking the <i>Ubb</i> polyubiquitin gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4016-4021.	3.3	83
10	Neurotoxic potential of polystyrene nanoplastics in primary cells originating from mouse brain. <i>NeuroToxicology</i> , 2020, 81, 189-196.	1.4	55
11	An Immunohistochemical Study of Na ⁺ /I ⁻ Symporter in Human Thyroid Tissues and Salivary Gland Tissues. , 0, .		49
12	Ubiquitin-specific protease 2 as a tool for quantification of total ubiquitin levels in biological specimens. <i>Analytical Biochemistry</i> , 2006, 353, 153-155.	1.1	48
13	Expression, Exon-Intron Organization, and Chromosome Mapping of the Human Sodium Iodide Symporter. , 0, .		46
14	Promoter Characterization of the Rat Na ⁺ /I ⁻ Symporter Gene. <i>Biochemical and Biophysical Research Communications</i> , 1997, 239, 34-41.	1.0	44
15	Promoter Characterization of the Human Na ⁺ /I ⁻ Symporter ¹ . <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 3247-3251.	1.8	43
16	Development of Reverse Transcription-Competitive Polymerase Chain Reaction Method to Quantitate the Expression Levels of Human Sodium Iodide Symporter. <i>Thyroid</i> , 1999, 9, 405-409.	2.4	41
17	Disruption of polyubiquitin gene <i>Ubc</i> leads to attenuated resistance against arsenite-induced toxicity in mouse embryonic fibroblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 996-1009.	1.9	33
18	Disruption of polyubiquitin gene <i>Ubb</i> causes dysregulation of neural stem cell differentiation with premature gliogenesis. <i>Scientific Reports</i> , 2014, 4, 7026.	1.6	32

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19	Signaling through 3 β ,5 β -Cyclic Adenosine Monophosphate and Phosphoinositide-3 Kinase Induces Sodium/Iodide Symporter Expression in Breast Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 5196-5203.	1.8	27
20	The polyubiquitin <i>Ubc</i> gene modulates histone H2A monoubiquitylation in the R6/2 mouse model of Huntington's disease. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2645-2657.	1.6	23
21	Altered testicular gene expression patterns in mice lacking the polyubiquitin gene <i>Ubb</i> . <i>Molecular Reproduction and Development</i> , 2011, 78, 415-425.	1.0	20
22	Stress Response of Mouse Embryonic Fibroblasts Exposed to Polystyrene Nanoplastics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2094.	1.8	20
23	Loss of polyubiquitin gene <i>Ubb</i> leads to metabolic and sleep abnormalities in mice. <i>Neuropathology and Applied Neurobiology</i> , 2010, 36, 285-299.	1.8	17
24	Restoration of cellular ubiquitin reverses impairments in neuronal development caused by disruption of the polyubiquitin gene <i>Ubb</i> . <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 443-448.	1.0	16
25	Quantification of oxidative stress in live mouse embryonic fibroblasts by monitoring the responses of polyubiquitin genes. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 470-475.	1.0	14
26	Effect of cellular ubiquitin levels on the regulation of oxidative stress response and proteasome function via Nrf1. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 234-240.	1.0	14
27	Temporal downregulation of the polyubiquitin gene <i>Ubb</i> affects neuronal differentiation, but not maturation, in cells cultured in vitro. <i>Scientific Reports</i> , 2018, 8, 2629.	1.6	14
28	Cloning of the 5'-Flanking Region of Mouse Sodium/Iodide Symporter and Identification of a Thyroid-Specific and TSH-Responsive Enhancer. <i>Thyroid</i> , 2004, 14, 19-27.	2.4	13
29	Perturbation of the Hematopoietic System during Embryonic Liver Development Due to Disruption of Polyubiquitin Gene <i>Ubc</i> in Mice. <i>PLoS ONE</i> , 2012, 7, e32956.	1.1	13
30	Locus coeruleus neurons are resistant to dysfunction and degeneration by maintaining free ubiquitin levels although total ubiquitin levels decrease upon disruption of polyubiquitin gene <i>Ubb</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 541-546.	1.0	12
31	Effect of p62/SQSTM1 polyubiquitination on its autophagic adaptor function and cellular survival under oxidative stress induced by arsenite. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 839-844.	1.0	12
32	A gold nanoparticle-mediated rapid in vitro assay of anti-aggregation reagents for amyloid β and its validation. <i>Chemical Communications</i> , 2017, 53, 4449-4452.	2.2	12
33	Application of the Cre/loxP System to Enhance Thyroid-Targeted Expression of Sodium/Iodide Symporter. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 2344-2350.	1.8	11
34	Disruption of polyubiquitin gene <i>Ubc</i> leads to defective proliferation of hepatocytes and bipotent fetal liver epithelial progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 435, 434-440.	1.0	10
35	Reduced free ubiquitin levels and proteasome activity in cultured neurons and brain tissues treated with amyloid beta aggregates. <i>Molecular Brain</i> , 2020, 13, 89.	1.3	10
36	Regulation of polyubiquitin genes to meet cellular ubiquitin requirement. <i>BMB Reports</i> , 2021, 54, 189-195.	1.1	8

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37	Polyubiquitin gene Ubb is required for upregulation of Piwi protein level during mouse testis development. <i>Cell Death Discovery</i> , 2021, 7, 194.	2.0	8
38	Increased clearance of non-biodegradable polystyrene nanoplastics by exocytosis through inhibition of retrograde intracellular transport. <i>Journal of Hazardous Materials</i> , 2022, 439, 129576.	6.5	8
39	Disruption of the polyubiquitin gene Ubb causes retinal degeneration in mice. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 35-40.	1.0	7
40	Disruption of the polyubiquitin gene Ubb reduces the self-renewal capacity of neural stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 372-378.	1.0	6
41	Reversible Regulation of Polyubiquitin Gene UBC via Modified Inducible CRISPR/Cas9 System. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3168.	1.8	4
42	Simultaneous Disruption of Both Polyubiquitin Genes Affects Proteasome Function and Decreases Cellular Proliferation. <i>Cell Biochemistry and Biophysics</i> , 2020, 78, 321-329.	0.9	4
43	Ubiquitin homeostasis: from neural stem cell differentiation to neuronal development. <i>Neural Regeneration Research</i> , 2015, 10, 1209.	1.6	4
44	Cytoprotective role of ubiquitin against toxicity induced by polyglutamine-expanded aggregates. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 344-350.	1.0	3
45	Regulation of REST levels overcomes dysregulation of neural stem cell differentiation caused by disruption of polyubiquitin gene Ubb. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 171-177.	1.0	0
46	Free ubiquitin: a novel therapeutic target for neurodegenerative diseases. <i>Neural Regeneration Research</i> , 2021, 16, 1781.	1.6	0