

# Kwang Chul Chung

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9411473/publications.pdf>

Version: 2024-02-01

105  
papers

4,746  
citations

87723

38  
h-index

110170

64  
g-index

106  
all docs

106  
docs citations

106  
times ranked

6336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein phosphatase PPM1B inhibits DYRK1A kinase through dephosphorylation of pS258 and reduces toxic tau aggregation. <i>Journal of Biological Chemistry</i> , 2021, 296, 100245.	1.6	15
2	FBXO7 triggers caspase 8-mediated proteolysis of the transcription factor FOXO4 and exacerbates neuronal cytotoxicity. <i>Journal of Biological Chemistry</i> , 2021, 297, 101426.	1.6	6
3	Precise control of mitophagy through ubiquitin proteasome system and deubiquitin proteases and their dysfunction in Parkinson's disease. <i>BMB Reports</i> , 2021, 54, 592-600.	1.1	16
4	Precise control of mitophagy through ubiquitin proteasome system and deubiquitin proteases and their dysfunction in Parkinson's disease. <i>BMB Reports</i> , 2021, , .	1.1	2
5	Human telomerase reverse transcriptase positively regulates mitophagy by inhibiting the processing and cytoplasmic release of mitochondrial PINK1. <i>Cell Death and Disease</i> , 2020, 11, 425.	2.7	19
6	The central regulator p62 between ubiquitin proteasome system and autophagy and its role in the mitophagy and Parkinson's disease. <i>BMB Reports</i> , 2020, 53, 56-63.	1.1	60
7	Death-associated Protein Kinase 1 Phosphorylates $\alpha$ -Synuclein at Ser129 and Exacerbates Rotenone-induced Toxic Aggregation of $\alpha$ -Synuclein in Dopaminergic SH-SY5Y Cells. <i>Experimental Neurobiology</i> , 2020, 29, 207-218.	0.7	13
8	Mitochondria and neurodegenerative diseases: Special issue of <i>BMB Reports</i> in 2020. <i>BMB Reports</i> , 2020, 53, 1-2.	1.1	2
9	Gintonin Mitigates MPTP-Induced Loss of Nigrostriatal Dopaminergic Neurons and Accumulation of $\alpha$ -Synuclein via the Nrf2/HO-1 Pathway. <i>Molecular Neurobiology</i> , 2019, 56, 39-55.	1.9	59
10	Covalent ISG15 conjugation to CHIP promotes its ubiquitin E3 ligase activity and inhibits lung cancer cell growth in response to type I interferon. <i>Cell Death and Disease</i> , 2018, 9, 97.	2.7	38
11	The ubiquitin E3 ligase CHIP promotes proteasomal degradation of the serine/threonine protein kinase PINK1 during staurosporine-induced cell death. <i>Journal of Biological Chemistry</i> , 2018, 293, 1286-1297.	1.6	23
12	New insight into transglutaminase 2 and link to neurodegenerative diseases. <i>BMB Reports</i> , 2018, 51, 5-13.	1.1	36
13	Deubiquitinating enzyme USP22 positively regulates c-Myc stability and tumorigenic activity in mammalian and breast cancer cells. <i>Journal of Cellular Physiology</i> , 2017, 232, 3664-3676.	2.0	113
14	Human Telomerase Reverse Transcriptase (hTERT) Positively Regulates 26S Proteasome Activity. <i>Journal of Cellular Physiology</i> , 2017, 232, 2083-2093.	2.0	23
15	Covalent ISG15 conjugation positively regulates the ubiquitin E3 ligase activity of parkin. <i>Open Biology</i> , 2016, 6, 160193.	1.5	36
16	Estradiol Synthesis in Gut-Associated Lymphoid Tissue: Leukocyte Regulation by a Sexually Monomorphic System. <i>Endocrinology</i> , 2016, 157, 4579-4587.	1.4	9
17	Leucine-rich repeat kinase 2 exacerbates neuronal cytotoxicity through phosphorylation of histone deacetylase 3 and histone deacetylation. <i>Human Molecular Genetics</i> , 2016, 26, dww363.	1.4	17
18	Precise assembly and regulation of 26S proteasome and correlation between proteasome dysfunction and neurodegenerative diseases. <i>BMB Reports</i> , 2016, 49, 459-473.	1.1	20

#	ARTICLE	IF	CITATIONS
19	Leucine-Rich Repeat Kinase 2 (LRRK2) phosphorylates p53 and induces p21WAF1/CIP1 expression. <i>Molecular Brain</i> , 2015, 8, 54.	1.3	50
20	Dyrk1A phosphorylates parkin at Ser431 and negatively regulates its ubiquitin E3 ligase activity. <i>Journal of Neurochemistry</i> , 2015, 134, 756-768.	2.1	23
21	Ubiquitin-specific protease 22 (USP22) positively regulates RCAN1 protein levels through RCAN1 de-ubiquitination. <i>Journal of Cellular Physiology</i> , 2015, 230, 1651-1660.	2.0	15
22	PINK1 phosphorylates transglutaminase 2 and blocks its proteasomal degradation. <i>Journal of Neuroscience Research</i> , 2015, 93, 722-735.	1.3	16
23	The F-box protein FBXO7 positively regulates bone morphogenetic protein-mediated signaling through Lys-63-specific ubiquitination of neurotrophin receptor-interacting MAGE (NRAGE). <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 181-195.	2.4	28
24	Direct Interaction and Functional Coupling between Human 5-HT6 Receptor and the Light Chain 1 Subunit of the Microtubule-Associated Protein 1B (MAP1B-LC1). <i>PLoS ONE</i> , 2014, 9, e91402.	1.1	21
25	Histone Deacetylase 3 Promotes RCAN1 Stability and Nuclear Translocation. <i>PLoS ONE</i> , 2014, 9, e105416.	1.1	10
26	Reactive oxygen species mediate IL-8 expression in Down syndrome candidate region-1-overexpressed cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 55, 164-170.	1.2	13
27	Zinc finger protein 131 inhibits estrogen signaling by suppressing estrogen receptor $\alpha$ homo-dimerization. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 400-405.	1.0	8
28	UHRF2, a Ubiquitin E3 Ligase, Acts as a Small Ubiquitin-like Modifier E3 Ligase for Zinc Finger Protein 131. <i>Journal of Biological Chemistry</i> , 2013, 288, 9102-9111.	1.6	20
29	New Perspectives of Dyrk1A Role in Neurogenesis and Neuropathologic Features of Down Syndrome. <i>Experimental Neurobiology</i> , 2013, 22, 244-248.	0.7	50
30	Dyrk1A negatively regulates the actin cytoskeleton through threonine phosphorylation of N-WASP. <i>Journal of Cell Science</i> , 2012, 125, 67-80.	1.2	36
31	Small Ubiquitin-like Modifier (SUMO) Modification of Zinc Finger Protein 131 Potentiates Its Negative Effect on Estrogen Signaling. <i>Journal of Biological Chemistry</i> , 2012, 287, 17517-17529.	1.6	21
32	Protein kinase A phosphorylates Down syndrome critical region 1 (RCAN1). <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 657-661.	1.0	16
33	The transcription factor STAT2 enhances proteasomal degradation of RCAN1 through the ubiquitin E3 ligase FBW7. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 404-410.	1.0	16
34	PINK1 positively regulates IL-1 $\beta$ -mediated signaling through Tollip and IRAK1 modulation. <i>Journal of Neuroinflammation</i> , 2012, 9, 271.	3.1	27
35	Covalent NEDD8 Conjugation Increases RCAN1 Protein Stability and Potentiates Its Inhibitory Action on Calcineurin. <i>PLoS ONE</i> , 2012, 7, e48315.	1.1	17
36	Neddylation positively regulates the ubiquitin E3 ligase activity of parkin. <i>Journal of Neuroscience Research</i> , 2012, 90, 1030-1042.	1.3	43

#	ARTICLE	IF	CITATIONS
37	PINK1 stimulates interleukin-1 $\beta$ -mediated inflammatory signaling via the positive regulation of TRAF6 and TAK1. Cellular and Molecular Life Sciences, 2012, 69, 3301-3315.	2.4	32
38	Proteasome inhibition induces $\alpha$ -synuclein SUMOylation and aggregate formation. Journal of the Neurological Sciences, 2011, 307, 157-161.	0.3	82
39	Dyrk1A Positively Stimulates ASK1-JNK Signaling Pathway during Apoptotic Cell Death. Experimental Neurobiology, 2011, 20, 35-44.	0.7	27
40	Human Polycomb protein 2 promotes $\alpha$ -synuclein aggregate formation through covalent SUMOylation. Brain Research, 2011, 1381, 78-89.	1.1	55
41	Stilbene Derivatives as Human 5-HT <sub>6</sub> Receptor Antagonists from the Root of Caragana sinica. Biological and Pharmaceutical Bulletin, 2010, 33, 2024-2028.	0.6	13
42	ASK1 Negatively Regulates the 26 S Proteasome. Journal of Biological Chemistry, 2010, 285, 36434-36446.	1.6	41
43	Dyrk1A Phosphorylates p53 and Inhibits Proliferation of Embryonic Neuronal Cells. Journal of Biological Chemistry, 2010, 285, 31895-31906.	1.6	107
44	Parkin Directly Modulates 26S Proteasome Activity. Journal of Neuroscience, 2010, 30, 11805-11814.	1.7	71
45	Formation of parkin aggregates and enhanced PINK1 accumulation during the pathogenesis of Parkinson's disease. Biochemical and Biophysical Research Communications, 2010, 393, 824-828.	1.0	23
46	Activation of adenylate cyclase by forskolin increases the protein stability of RCAN1 (DSCR1 or Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.3	8
47	Function and regulation of Dyrk1A: towards understanding Down syndrome. Cellular and Molecular Life Sciences, 2009, 66, 3235-3240.	2.4	171
48	On the mechanism of internalization of $\alpha$ -synuclein into microglia: roles of ganglioside GM1 and lipid raft. Journal of Neurochemistry, 2009, 110, 400-411.	2.1	116
49	Down syndrome candidate region-1 protein interacts with Tollip and positively modulates interleukin-1 receptor-mediated signaling. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 1673-1680.	1.1	17
50	Modulation of Cav3.1 T-type Ca <sup>2+</sup> channels by the ran binding protein RanBPM. Biochemical and Biophysical Research Communications, 2009, 378, 15-20.	1.0	15
51	Identification of the amino acid sequence motif of $\alpha$ -synuclein responsible for macrophage activation. Biochemical and Biophysical Research Communications, 2009, 381, 39-43.	1.0	50
52	The serine protease HtrA2/Omi cleaves Parkin and irreversibly inactivates its E3 ubiquitin ligase activity. Biochemical and Biophysical Research Communications, 2009, 387, 537-542.	1.0	25
53	Molecular interaction between parkin and PINK1 in mammalian neuronal cells. Molecular and Cellular Neurosciences, 2009, 40, 421-432.	1.0	62
54	Two key genes closely implicated with the neuropathological characteristics in Down syndrome: DYRK1A and RCAN1. BMB Reports, 2009, 42, 6-15.	1.1	68

#	ARTICLE	IF	CITATIONS
55	Water deprivation-induced expression of neuronal nitric oxide synthase in the hypothalamic paraventricular nucleus of rat. <i>Journal of Neuroscience Research</i> , 2008, 86, 1371-1379.	1.3	5
56	A novel role of hippocalcin in bFGF-induced neurite outgrowth of H1975 cells. <i>Journal of Neuroscience Research</i> , 2008, 86, 1557-1565.	1.3	15
57	CREB activates proteasomal degradation of DSCR1/RCAN1. <i>FEBS Letters</i> , 2008, 582, 1889-1893.	1.3	20
58	Down syndrome critical region 2 protein inhibits the transcriptional activity of peroxisome proliferator-activated receptor $\gamma$ in HEK293 cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 478-482.	1.0	9
59	Interaction of SOCS3 with NonO attenuates IL-1 $\beta$ -dependent MUC8 gene expression. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 946-951.	1.0	17
60	Crystal Structure of Filamentous Aggregates of Human DJ-1 Formed in an Inorganic Phosphate-dependent Manner. <i>Journal of Biological Chemistry</i> , 2008, 283, 34069-34075.	1.6	16
61	NF- $\kappa$ B-inducing Kinase Phosphorylates and Blocks the Degradation of Down Syndrome Candidate Region 1. <i>Journal of Biological Chemistry</i> , 2008, 283, 3392-3400.	1.6	38
62	cAMP-responding Element-binding Protein and c-Ets1 Interact in the Regulation of ATP-dependent MUC5AC Gene Expression. <i>Journal of Biological Chemistry</i> , 2008, 283, 26869-26878.	1.6	26
63	Functional Interaction of Neuronal Cav1.3 L-type Calcium Channel with Ryanodine Receptor Type 2 in the Rat Hippocampus. <i>Journal of Biological Chemistry</i> , 2007, 282, 32877-32889.	1.6	76
64	Phospholipase D1 is associated with amyloid precursor protein in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2007, 28, 1015-1027.	1.5	38
65	Overexpression of DSCR1 blocks zinc-induced neuronal cell death through the formation of nuclear aggregates. <i>Molecular and Cellular Neurosciences</i> , 2007, 35, 585-595.	1.0	22
66	Dyrk1A overexpression in immortalized hippocampal cells produces the neuropathological features of Down syndrome. <i>Molecular and Cellular Neurosciences</i> , 2007, 36, 270-279.	1.0	58
67	$\beta$ -Synuclein overexpression reduces gap junctional intercellular communication in dopaminergic neuroblastoma cells. <i>Neuroscience Letters</i> , 2007, 416, 289-293.	1.0	30
68	JNK- and Rac1-dependent induction of immediate early gene pip92 suppresses neuronal differentiation. <i>Journal of Neurochemistry</i> , 2007, 100, 555-566.	2.1	10
69	Zinc induces cell death in immortalized embryonic hippocampal cells via activation of Akt-GSK-3 $\beta$ signaling. <i>Experimental Cell Research</i> , 2007, 313, 312-321.	1.2	33
70	Calpain-resistant fragment(s) of $\beta$ -synuclein regulates the synuclein-cleaving activity of 20S proteasome. <i>Archives of Biochemistry and Biophysics</i> , 2006, 455, 40-47.	1.4	14
71	Huntingtin-interacting protein 1-mediated neuronal cell death occurs through intrinsic apoptotic pathways and mitochondrial alterations. <i>FEBS Letters</i> , 2006, 580, 5275-5282.	1.3	28
72	Amino acid sequence motifs and mechanistic features of the membrane translocation of alpha-synuclein. <i>Journal of Neurochemistry</i> , 2006, 97, 265-279.	2.1	110

#	ARTICLE	IF	CITATIONS
73	Î±-Synuclein enhances dopamine D2 receptor signaling. <i>Brain Research</i> , 2006, 1124, 5-9.	1.1	10
74	Functional modulation of parkin through physical interaction with SUMO-1. <i>Journal of Neuroscience Research</i> , 2006, 84, 1543-1554.	1.3	91
75	Dequalinium-induced Protofibril Formation of Î±-Synuclein. <i>Journal of Biological Chemistry</i> , 2006, 281, 3463-3472.	1.6	22
76	Parkin Ubiquitinates and Promotes the Degradation of RanBP2. <i>Journal of Biological Chemistry</i> , 2006, 281, 3595-3603.	1.6	84
77	Dyrk1A Phosphorylates Î±-Synuclein and Enhances Intracellular Inclusion Formation. <i>Journal of Biological Chemistry</i> , 2006, 281, 33250-33257.	1.6	95
78	Phospholipase D Prevents Etoposide-Induced Apoptosis by Inhibiting the Expression of Early Growth Response-1 and Phosphatase and Tensin Homologue Deleted on Chromosome 10. <i>Cancer Research</i> , 2006, 66, 784-793.	0.4	38
79	Regulation of the proapoptotic activity of huntingtin interacting protein 1 by Dyrk1 and caspase-3 in hippocampal neuroprogenitor cells. <i>Journal of Neuroscience Research</i> , 2005, 81, 62-72.	1.3	39
80	Prostaglandin E2 Induces MUC8 Gene Expression via a Mechanism Involving ERK MAPK/RSK1/cAMP Response Element Binding Protein Activation in Human Airway Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 6676-6681.	1.6	38
81	Proteolytic Cleavage of Extracellular Secreted Î±-Synuclein via Matrix Metalloproteinases. <i>Journal of Biological Chemistry</i> , 2005, 280, 25216-25224.	1.6	209
82	Bruton's Tyrosine Kinase Phosphorylates cAMP-responsive Element-binding Protein at Serine 133 during Neuronal Differentiation in Immortalized Hippocampal Progenitor Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 1827-1837.	1.6	34
83	LIM Kinase 1 Activates cAMP-responsive Element-binding Protein during the Neuronal Differentiation of Immortalized Hippocampal Progenitor Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 8903-8910.	1.6	61
84	Pyrrolidine dithiocarbamate and zinc inhibit proteasome-dependent proteolysis. <i>Experimental Cell Research</i> , 2004, 298, 229-238.	1.2	58
85	Pyrrolidine dithiocarbamate-induced neuronal cell death is mediated by Akt, casein kinase 2, c-Jun N-terminal kinase, and I?B kinase in embryonic hippocampal progenitor cells. <i>Journal of Neuroscience Research</i> , 2003, 71, 689-700.	1.3	29
86	Regulation of Cyr61/CCN1 gene expression through RhoA GTPase and p38MAPK signaling pathways. Role of CREB and AP-1 transcription factors. <i>FEBS Journal</i> , 2003, 270, 3408-3421.	0.2	73
87	Expression of Angiogenic Factor Cyr61 during Neuronal Cell Death via the Activation of c-Jun N-terminal Kinase and Serum Response Factor. <i>Journal of Biological Chemistry</i> , 2003, 278, 13847-13854.	1.6	41
88	Parkin Cleaves Intracellular Î±-Synuclein Inclusions via the Activation of Calpain. <i>Journal of Biological Chemistry</i> , 2003, 278, 41890-41899.	1.6	68
89	Induction of MUC8 Gene Expression by Interleukin-1Î² Is Mediated by a Sequential ERK MAPK/RSK1/CREB Cascade Pathway in Human Airway Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 34890-34896.	1.6	45
90	Interleukin-1Î² and Tumor Necrosis Factor-Î± Induce MUC5AC Overexpression through a Mechanism Involving ERK/p38 Mitogen-activated Protein Kinases-MSK1-CREB Activation in Human Airway Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 23243-23250.	1.6	264

#	ARTICLE	IF	CITATIONS
91	Î±-Synuclein Interacts with Phospholipase D Isozymes and Inhibits Pervanadate-induced Phospholipase D Activation in Human Embryonic Kidney-293 Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 12334-12342.	1.6	118
92	Evidence that Î±-synuclein functions as a negative regulator of Ca <sup>++</sup> -dependent Î±-granule release from human platelets. <i>Blood</i> , 2002, 100, 2506-2514.	0.6	51
93	A Systemic Administration of NMDA Induces Immediate Early Gene pip92 in the Hippocampus. <i>Journal of Neurochemistry</i> , 2001, 75, 9-17.	2.1	20
94	Zn <sup>2+</sup> -induced ERK activation mediated by reactive oxygen species causes cell death in differentiated PC12 cells. <i>Journal of Neurochemistry</i> , 2001, 78, 600-610.	2.1	117
95	Differential activation of phospholipases by mitogenic EGF and neurogenic PDGF in immortalized hippocampal stem cell lines. <i>Journal of Neurochemistry</i> , 2001, 78, 1044-1053.	2.1	40
96	Tumor Necrosis Factor-Î± and Phorbol 12-Myristate 13-Acetate Differentially Modulate Cytotoxic Effect of Nitric Oxide Generated by Serum Deprivation in Neuronal PC12 Cells. <i>Journal of Neurochemistry</i> , 2001, 72, 1482-1488.	2.1	39
97	Multiple ligand interaction of Î±-synuclein produced various forms of protein aggregates in the presence of AÎ² <sub>25-35</sub> , copper, and eosin. <i>Brain Research</i> , 2001, 908, 93-98.	1.1	28
98	Basic Fibroblast Growth Factor-induced Activation of Novel CREB Kinase during the Differentiation of Immortalized Hippocampal Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 13858-13866.	1.6	39
99	Protein Kinase Dyrk1 Activates cAMP Response Element-binding Protein during Neuronal Differentiation in Hippocampal Progenitor Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 39819-39824.	1.6	156
100	Intracellular Calcium Mobilization Induces Immediate Early Gene pip92 via Src and Mitogen-activated Protein Kinase in Immortalized Hippocampal Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 2132-2138.	1.6	17
101	Induction of Neuronal Cell Death by Rab5A-dependent Endocytosis of Î±-Synuclein. <i>Journal of Biological Chemistry</i> , 2001, 276, 27441-27448.	1.6	174
102	Novel biphasic effect of pyrrolidine dithiocarbamate on neuronal cell viability is mediated by the differential regulation of intracellular zinc and copper ion levels, NF-Î²B, and MAP kinases. <i>Journal of Neuroscience Research</i> , 2000, 59, 117-125.	1.3	73
103	Novel biphasic effect of pyrrolidine dithiocarbamate on neuronal cell viability is mediated by the differential regulation of intracellular zinc and copper ion levels, NF-Î²B, and MAP kinases. , 2000, 59, 117.		2
104	Pyrrithione, a Zinc Ionophore, Inhibits NF-Î²B Activation. <i>Biochemical and Biophysical Research Communications</i> , 1999, 259, 505-509.	1.0	66
105	Expression of immediate early gene <i>cyr61</i> during the differentiation of immortalized embryonic hippocampal neuronal cells. <i>Neuroscience Letters</i> , 1998, 255, 155-158.	1.0	22