

Chan, Hye

List of Publications by Year in descending order

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105
papers

7,344
citations

117625

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58581

82
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110
all docs

110
docs citations

110
times ranked

10590
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	9.1	1,430
2	Chaperone Suppression of α -Synuclein Toxicity in a <i>Drosophila</i> Model for Parkinson's Disease. <i>Science</i> , 2002, 295, 865-868.	12.6	1,206
3	Suppression of polyglutamine-mediated neurodegeneration in <i>Drosophila</i> by the molecular chaperone HSP70. <i>Nature Genetics</i> , 1999, 23, 425-428.	21.4	815
4	Aggregated polyglutamine peptides delivered to nuclei are toxic to mammalian cells. <i>Human Molecular Genetics</i> , 2002, 11, 2905-2917.	2.9	321
5	Mechanisms of chaperone suppression of polyglutamine disease: selectivity, synergy and modulation of protein solubility in <i>Drosophila</i> . <i>Human Molecular Genetics</i> , 2000, 9, 2811-2820.	2.9	301
6	Isorhynchophylline, a natural alkaloid, promotes the degradation of alpha-synuclein in neuronal cells via inducing autophagy. <i>Autophagy</i> , 2012, 8, 98-108.	9.1	156
7	Genetic modulation of polyglutamine toxicity by protein conjugation pathways in <i>Drosophila</i> . <i>Human Molecular Genetics</i> , 2002, 11, 2895-2904.	2.9	148
8	The 3a protein of severe acute respiratory syndrome-associated coronavirus induces apoptosis in Vero E6 cells. <i>Journal of General Virology</i> , 2005, 86, 1921-1930.	2.9	135
9	CAG expansion induces nucleolar stress in polyglutamine diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13428-13433.	7.1	120
10	Blueberry extract prolongs lifespan of <i>Drosophila melanogaster</i> . <i>Experimental Gerontology</i> , 2012, 47, 170-178.	2.8	110
11	BFA-induced compartments from the Golgi apparatus and trans-Golgi network/early endosome are distinct in plant cells. <i>Plant Journal</i> , 2009, 60, 865-881.	5.7	107
12	Rationally Designed Small Molecules That Target Both the DNA and RNA Causing Myotonic Dystrophy Type 1. <i>Journal of the American Chemical Society</i> , 2015, 137, 14180-14189.	13.7	106
13	Green tea catechins upregulate superoxide dismutase and catalase in fruit flies. <i>Molecular Nutrition and Food Research</i> , 2007, 51, 546-554.	3.3	102
14	Apple Polyphenols Extend the Mean Lifespan of <i>Drosophila melanogaster</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2097-2106.	5.2	97
15	Targeting Toxic RNAs that Cause Myotonic Dystrophy Type 1 (DM1) with a Bisamidinium Inhibitor. <i>Journal of the American Chemical Society</i> , 2014, 136, 6355-6361.	13.7	91
16	The ion channel activity of the SARS-coronavirus 3a protein is linked to its pro-apoptotic function. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 2232-2239.	2.8	84
17	<i>Drosophila</i> models of human neurodegenerative disease. <i>Cell Death and Differentiation</i> , 2000, 7, 1075-1080.	11.2	74
18	Mechanism for the Cellular Uptake of Targeted Gold Nanorods of Defined Aspect Ratios. <i>Small</i> , 2016, 12, 5178-5189.	10.0	70

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19	The SARS-Coronavirus Membrane protein induces apoptosis through modulating the Akt survival pathway. <i>Archives of Biochemistry and Biophysics</i> , 2007, 459, 197-207.	3.0	69
20	Closing the (Ran)GAP on segregation distortion in <i>Drosophila</i> . <i>BioEssays</i> , 2003, 25, 108-115.	2.5	66
21	Black tea theaflavins extend the lifespan of fruit flies. <i>Experimental Gerontology</i> , 2009, 44, 773-783.	2.8	64
22	A novel missense mutation in <i>CCDC88C</i> activates the JNK pathway and causes a dominant form of spinocerebellar ataxia. <i>Journal of Medical Genetics</i> , 2014, 51, 590-595.	3.2	64
23	Expression of Expanded CAG Transcripts Triggers Nucleolar Stress in Huntington's Disease. <i>Cerebellum</i> , 2013, 12, 310-312.	2.5	59
24	Pharmacologically reversible zonation-dependent endothelial cell transcriptomic changes with neurodegenerative disease associations in the aged brain. <i>Nature Communications</i> , 2020, 11, 4413.	12.8	59
25	The role of ubiquitin linkages on α -synuclein induced toxicity in a <i>Drosophila</i> model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2009, 110, 208-219.	3.9	55
26	Dexas1 Interacts with FE65 to Regulate FE65-Amyloid Precursor Protein-dependent Transcription. <i>Journal of Biological Chemistry</i> , 2008, 283, 34728-34737.	3.4	48
27	Nuclear retention of full-length HTT RNA is mediated by splicing factors MBNL1 and U2AF65. <i>Scientific Reports</i> , 2015, 5, 12521.	3.3	47
28	The SARS-coronavirus membrane protein induces apoptosis via interfering with PDK1/PKB/Akt signalling. <i>Biochemical Journal</i> , 2014, 464, 439-447.	3.7	45
29	Perturbation of U2AF65/NXF1-mediated RNA nuclear export enhances RNA toxicity in polyQ diseases. <i>Human Molecular Genetics</i> , 2011, 20, 3787-3797.	2.9	44
30	Isolation and Identification of a Novel Anti-protein Aggregation Activity of Lignin-Carbohydrate Complex From <i>Chionanthus retusus</i> Leaves. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 573991.	4.1	43
31	Green tea catechins and broccoli reduce fat-induced mortality in <i>Drosophila melanogaster</i> . <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 376-383.	4.2	42
32	Intrinsically cell-penetrating multivalent and multitargeting ligands for myotonic dystrophy type 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8709-8714.	7.1	39
33	Black rice extract extends the lifespan of fruit flies. <i>Food and Function</i> , 2012, 3, 1271.	4.6	37
34	A Potent Inhibitor of Protein Sequestration by Expanded Triplet (CUG) Repeats that Shows Phenotypic Improvements in a <i>Drosophila</i> Model of Myotonic Dystrophy. <i>ChemMedChem</i> , 2016, 11, 1428-1435.	3.2	36
35	In vivo functional characterization of the SARS-Coronavirus 3a protein in <i>Drosophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 720-729.	2.1	34
36	FE65 interacts with ADP-ribosylation factor 6 to promote neurite outgrowth. <i>FASEB Journal</i> , 2014, 28, 337-349.	0.5	34

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37	Statistical Design of Experiment (DoE) based development and optimization of DB213 in situ thermosensitive gel for intranasal delivery. <i>International Journal of Pharmaceutics</i> , 2018, 539, 50-57.	5.2	34
38	Authentication of <i>Saussurea lappa</i> , an Endangered Medicinal Material, by ITS DNA and 5S rRNA Sequencing. <i>Planta Medica</i> , 2008, 74, 889-892.	1.3	33
39	Expanded polyglutamine domain possesses nuclear export activity which modulates subcellular localization and toxicity of polyQ disease protein via exportin-1. <i>Human Molecular Genetics</i> , 2011, 20, 1738-1750.	2.9	33
40	Dynamic regulation of molecular chaperone gene expression in polyglutamine disease. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 1074-1084.	2.1	32
41	Sodium dodecyl sulfate-insoluble oligomers are involved in polyglutamine degeneration. <i>FASEB Journal</i> , 2008, 22, 3348-3357.	0.5	29
42	Protective role of Engrailed in a <i>Drosophila</i> model of Huntington's disease. <i>Human Molecular Genetics</i> , 2008, 17, 3601-3616.	2.9	27
43	The Aqueous Extract of Rhizome of <i>Gastrodia elata</i> Protected <i>Drosophila</i> and PC12 Cells against Beta-Amyloid-Induced Neurotoxicity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-12.	1.2	27
44	Roles of the nucleolus in the CAG RNA-mediated toxicity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 779-784.	3.8	27
45	A Three-Way Combinatorial CRISPR Screen for Analyzing Interactions among Druggable Targets. <i>Cell Reports</i> , 2020, 32, 108020.	6.4	27
46	Biochemical investigation of Tau protein phosphorylation status and its solubility properties in <i>Drosophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 150-159.	2.1	26
47	Integrating Display and Delivery Functionality with a Cell Penetrating Peptide Mimic as a Scaffold for Intracellular Multivalent Multitargeting. <i>Journal of the American Chemical Society</i> , 2016, 138, 9498-9507.	13.7	26
48	Degradation of mutant huntingtin via the ubiquitin/proteasome system is modulated by FE65. <i>Biochemical Journal</i> , 2012, 443, 681-689.	3.7	25
49	RNA-mediated pathogenic mechanisms in polyglutamine diseases and amyotrophic lateral sclerosis. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 431.	3.7	25
50	A mannose/glucose-specific lectin from Chinese evergreen chinkapin (<i>Castanopsis chinensis</i>). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 1017-1022.	2.4	24
51	Sesamin extends the mean lifespan of fruit flies. <i>Biogerontology</i> , 2013, 14, 107-119.	3.9	24
52	Dribble, the <i>Drosophila</i> KRR1p Homologue, Is Involved in rRNA Processing. <i>Molecular Biology of the Cell</i> , 2001, 12, 1409-1419.	2.1	23
53	A peptidyl inhibitor for neutralizing expanded <i>CAG</i> RNA-induced nucleolar stress in polyglutamine diseases. <i>Rna</i> , 2018, 24, 486-498.	3.5	23
54	Phosphorylation of FE65 Ser610 by serum- and glucocorticoid-induced kinase 1 modulates Alzheimer's disease amyloid precursor protein processing. <i>Biochemical Journal</i> , 2015, 470, 303-317.	3.7	22

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55	Neuronal adaptor FE65 stimulates Rac1-mediated neurite outgrowth by recruiting and activating ELMO1. <i>Journal of Biological Chemistry</i> , 2018, 293, 7674-7688.	3.4	21
56	MicroRNAs regulate the sesquiterpenoid hormonal pathway in <i>Drosophila</i> and other arthropods. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171827.	2.6	20
57	Expanded polyalanine tracts function as nuclear export signals and promote protein mislocalization via eEF1A1 factor. <i>Journal of Biological Chemistry</i> , 2017, 292, 5784-5800.	3.4	18
58	Planar cell polarity gene <i>Fuz</i> triggers apoptosis in neurodegenerative disease models. <i>EMBO Reports</i> , 2018, 19, .	4.5	18
59	A Peptidyl Inhibitor for Neutralizing (GGGGCC)-Associated Neurodegeneration in C9ALS-FTD. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 172-185.	5.1	18
60	GULP1 is a novel APP-interacting protein that alters APP processing. <i>Biochemical Journal</i> , 2011, 436, 631-639.	3.7	17
61	FipoQ/ FBXO 33, a Cullin-based ubiquitin ligase complex component modulates ubiquitination and solubility of polyglutamine disease protein. <i>Journal of Neurochemistry</i> , 2019, 149, 781-798.	3.9	17
62	CAG RNAs induce DNA damage and apoptosis by silencing <i>NUDT16</i> expression in polyglutamine degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
63	Hypnotic effects of a novel anti-insomnia formula on <i>Drosophila</i> insomnia model. <i>Chinese Journal of Integrative Medicine</i> , 2016, 22, 335-343.	1.6	16
64	<i>Drosophila melanogaster</i> As a Model Organism to Study RNA Toxicity of Repeat Expansion-Associated Neurodegenerative and Neuromuscular Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 70.	3.7	16
65	Co-Encapsulation and Co-Delivery of Peptide Drugs via Polymeric Nanoparticles. <i>Polymers</i> , 2019, 11, 288.	4.5	16
66	A SUMO1-Derived Peptide Targeting SUMO-Interacting Motif Inhibits α -Synuclein Aggregation. <i>Cell Chemical Biology</i> , 2021, 28, 180-190.e6.	5.2	15
67	A peptidyl inhibitor-based therapeutic approach that simultaneously suppresses RNA- and protein-mediated toxicities in polyglutamine diseases. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 321-34.	2.4	14
68	Demonstration of Direct Nose-to-Brain Transport of Unbound HIV-1 Replication Inhibitor DB213 Via Intranasal Administration by Pharmacokinetic Modeling. <i>AAPS Journal</i> , 2018, 20, 23.	4.4	14
69	Identification and characterization of the gene for <i>Drosophila</i> L3 ribosomal protein. <i>Gene</i> , 1998, 212, 119-125.	2.2	13
70	<i>Drosophila</i> Exo70 Is Essential for Neurite Extension and Survival under Thermal Stress. <i>Journal of Neuroscience</i> , 2018, 38, 8071-8086.	3.6	13
71	A Small RNA Transforms the Multidrug Resistance of <i>Pseudomonas aeruginosa</i> to Drug Susceptibility. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 218-228.	5.1	13
72	Transcriptional dysregulation in neurodegenerative diseases: Who tipped the balance of Yin Yang 1 in the brain?. <i>Neural Regeneration Research</i> , 2019, 14, 1148.	3.0	13

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73	Biophysical characterisation reveals structural disorder in the nucleolar protein, Dribble. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 311-318.	2.1	11
74	Broccoli (<i>Brassica oleracea</i> var. <i>botrytis</i> L.) improves the survival and up-regulates endogenous antioxidant enzymes in <i>Drosophila melanogaster</i> challenged with reactive oxygen species. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 499-506.	3.5	11
75	scRNA Toxicity and Perturbation of rRNA Processing in Spinocerebellar Ataxia Type 2. <i>Movement Disorders</i> , 2021, 36, 2519-2529.	3.9	11
76	Pharmacokinetics and brain uptake of HIV-1 replication inhibitor DB213 in Sprague-Dawley rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 125, 41-47.	2.8	10
77	Familial ataxia, tremor, and dementia in a polish family with a novel mutation in the <i>CCDC88C</i> gene. <i>Movement Disorders</i> , 2019, 34, 142-144.	3.9	10
78	AQAMAN, a bisamidine-based inhibitor of toxic protein inclusions in neurons, ameliorates cytotoxicity in polyglutamine disease models. <i>Journal of Biological Chemistry</i> , 2019, 294, 2757-5526.	3.4	10
79	Pan-cancer investigation reveals mechanistic insights of planar cell polarity gene Fuz in carcinogenesis. <i>Aging</i> , 2021, 13, 7259-7283.	3.1	10
80	Identification and characterization of the gene for <i>Drosophila</i> S20 ribosomal protein. <i>Gene</i> , 1997, 200, 85-89.	2.2	9
81	A brain-targeting lipidated peptide for neutralizing RNA-mediated toxicity in Polyglutamine Diseases. <i>Scientific Reports</i> , 2017, 7, 12077.	3.3	9
82	Attenuation of amyloid β generation by atypical protein kinase C-mediated phosphorylation of engulfment adaptor PTB domain containing 1 threonine 35. <i>FASEB Journal</i> , 2019, 33, 12019-12035.	0.5	9
83	Transcriptional malfunctioning of heat shock protein gene expression in spinocerebellar ataxias. <i>Cerebellum</i> , 2007, 6, 111-117.	2.5	8
84	A fine balance between Prpf19 and Exoc7 in achieving degradation of aggregated protein and suppression of cell death in spinocerebellar ataxia type 3. <i>Cell Death and Disease</i> , 2021, 12, 136.	6.3	8
85	A heterozygous mutation in the <i>CCDC88C</i> gene likely causes early-onset pure hereditary spastic paraplegia: a case report. <i>BMC Neurology</i> , 2021, 21, 78.	1.8	8
86	Human receptor for activated protein kinase C1 associates with polyglutamine aggregates and modulates polyglutamine toxicity. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 714-719.	2.1	7
87	Whole-genome sequencing of two probands with hereditary spastic paraplegia reveals novel splice-donor region variant and known pathogenic variant in <i>SPG11</i> . <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a001248.	1.2	7
88	GULP1/CED-6 ameliorates amyloid β toxicity in a <i>Drosophila</i> model of Alzheimer's disease. <i>Oncotarget</i> , 2017, 8, 99274-99283.	1.8	7
89	Brain-Targeting Delivery of Two Peptidyl Inhibitors for Their Combination Therapy in Transgenic Polyglutamine Disease Mice via Intranasal Administration. <i>Molecular Pharmaceutics</i> , 2018, 15, 5781-5792.	4.6	7
90	Efficient brain uptake and distribution of an expanded CAG RNA inhibitor DB213 via intranasal administration. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 127, 240-251.	4.0	6

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91	Drosophila Models of Polyglutamine Diseases. , 2003, 217, 241-252.		5
92	Promoter characterization and genomic organization of the human X11 ² gene APBA2. NeuroReport, 2012, 23, 146-151.	1.2	5
93	Maternal oxytocin responsiveness improves specificity of positive social memory recall. Psychoneuroendocrinology, 2018, 98, 148-152.	2.7	5
94	A Green Fluorescent Protein-Based Reporter for Protein Nuclear Import Studies in Drosophila Cells. Fly, 2007, 1, 340-342.	1.7	4
95	A Targeted Gene Panel That Covers Coding, Non-coding and Short Tandem Repeat Regions Improves the Diagnosis of Patients With Neurodegenerative Diseases. Frontiers in Neuroscience, 2019, 13, 1324.	2.8	4
96	Exclusion of unsuitable CNS drug candidates based on their physicochemical properties and unbound fractions in biomatrices for brain microdialysis investigations. Journal of Pharmaceutical and Biomedical Analysis, 2020, 178, 112946.	2.8	4
97	NMR solution structures of d(GGCCTG) _n repeats associated with spinocerebellar ataxia type 36. International Journal of Biological Macromolecules, 2022, 201, 607-615.	7.5	4
98	Identification and characterization of kraken, a gene encoding a putative hydrolytic enzyme in Drosophila melanogaster. Gene, 1998, 222, 195-201.	2.2	3
99	Fly-ing from genes to drugs. Trends in Molecular Medicine, 2002, 8, 99-101.	6.7	3
100	Preclinical Nanomedicines for Polyglutamine-Based Neurodegenerative Diseases. Molecular Pharmaceutics, 2021, 18, 610-626.	4.6	3
101	Genomic Organization and Promoter Cloning of the Human X11 [±] Gene<i>APBA1</i>. DNA and Cell Biology, 2012, 31, 651-659.	1.9	2
102	Conformational flexibility in the <scp>RNA</scp> stemâ€loop structures formed by <scp>CAG</scp> repeats. FEBS Letters, 2017, 591, 1752-1760.	2.8	2
103	Rev-GFP transgenic lines for studies of nucleocytoplasmic transport indrosophila. Genesis, 2002, 34, 139-141.	1.6	1
104	The influence of protein nucleocytoplasmic transport on expanded polyglutamineâ€induced neurodegeneration. FASEB Journal, 2008, 22, 1013.6.	0.5	0
105	A peptide inhibitor that rescues polyglutamine-induced synaptic defects and cell death through suppressing RNA and protein toxicities. Molecular Therapy - Nucleic Acids, 2022, 29, 102-115.	5.1	0