

Chan, Hye

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9243909/publications.pdf>

Version: 2024-02-01

105
papers

7,344
citations

117625

34
h-index

58581

82
g-index

110
all docs

110
docs citations

110
times ranked

10590
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | NMR solution structures of d(GGCCTG) _n repeats associated with spinocerebellar ataxia type 36. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 607-615. | 7.5 | 4 |
| 2 | A peptide inhibitor that rescues polyglutamine-induced synaptic defects and cell death through suppressing RNA and protein toxicities. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 29, 102-115. | 5.1 | 0 |
| 3 | Preclinical Nanomedicines for Polyglutamine-Based Neurodegenerative Diseases. <i>Molecular Pharmaceutics</i> , 2021, 18, 610-626. | 4.6 | 3 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Pan-cancer investigation reveals mechanistic insights of planar cell polarity gene <i>Fuz</i> in carcinogenesis. <i>Aging</i> , 2021, 13, 7259-7283. | 3.1 | 10 |
| 8 | 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 |
| 9 | rRNA Toxicity and Perturbation of rRNA Processing in Spinocerebellar Ataxia Type 2. <i>Movement Disorders</i> , 2021, 36, 2519-2529. | 3.9 | 11 |
| 10 | Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (edition 9.1, 1,430 | 9.1 | 1,430 |
| 11 | Exclusion of unsuitable CNS drug candidates based on their physicochemical properties and unbound fractions in biomatrices for brain microdialysis investigations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112946. | 2.8 | 4 |
| 12 | A Three-Way Combinatorial CRISPR Screen for Analyzing Interactions among Druggable Targets. <i>Cell Reports</i> , 2020, 32, 108020. | 6.4 | 27 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | FipoQ/ FBXO 33, a Cullin1-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 |
| 17 | A Peptidyl Inhibitor for Neutralizing (GGGCC)-Associated Neurodegeneration in C9ALS-FTD. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 172-185. | 5.1 | 18 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Co-Encapsulation and Co-Delivery of Peptide Drugs via Polymeric Nanoparticles. <i>Polymers</i> , 2019, 11, 288. | 4.5 | 16 |
| 21 | A Targeted Gene Panel That Covers Coding, Non-coding and Short Tandem Repeat Regions Improves the Diagnosis of Patients With Neurodegenerative Diseases. <i>Frontiers in Neuroscience</i> , 2019, 13, 1324. | 2.8 | 4 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | <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 |
| 32 | Planar cell polarity gene <i>Fuz</i> triggers apoptosis in neurodegenerative disease models. <i>EMBO Reports</i> , 2018, 19, . | 4.5 | 18 |
| 33 | Maternal oxytocin responsiveness improves specificity of positive social memory recall. <i>Psychoneuroendocrinology</i> , 2018, 98, 148-152. | 2.7 | 5 |
| 34 | 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 |
| 35 | A brain-targeting lipidated peptide for neutralizing RNA-mediated toxicity in Polyglutamine Diseases. <i>Scientific Reports</i> , 2017, 7, 12077. | 3.3 | 9 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | <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 |
| 38 | GULP1/CED-6 ameliorates amyloid- β^2 toxicity in a <i>Drosophila</i> model of Alzheimer's disease. <i>Oncotarget</i> , 2017, 8, 99274-99283. | 1.8 | 7 |
| 39 | Conformational flexibility in the RNA stem-loop structures formed by CAG repeats. <i>FEBS Letters</i> , 2017, 591, 1752-1760. | 2.8 | 2 |
| 40 | 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 |
| 41 | A peptidic 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Mechanism for the Cellular Uptake of Targeted Gold Nanorods of Defined Aspect Ratios. <i>Small</i> , 2016, 12, 5178-5189. | 10.0 | 70 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | RNA-mediated pathogenic mechanisms in polyglutamine diseases and amyotrophic lateral sclerosis. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 431. | 3.7 | 25 |
| 51 | 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 |
| 52 | 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 |
| 53 | FE65 interacts with ADP-ribosylation factor 6 to promote neurite outgrowth. <i>FASEB Journal</i> , 2014, 28, 337-349. | 0.5 | 34 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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 |
| 56 | Sesamin extends the mean lifespan of fruit flies. <i>Biogerontology</i> , 2013, 14, 107-119. | 3.9 | 24 |
| 57 | Expression of Expanded CAG Transcripts Triggers Nucleolar Stress in Huntington's Disease. <i>Cerebellum</i> , 2013, 12, 310-312. | 2.5 | 59 |
| 58 | 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 |
| 59 | Degradation of mutant huntingtin via the ubiquitin/proteasome system is modulated by FE65. <i>Biochemical Journal</i> , 2012, 443, 681-689. | 3.7 | 25 |
| 60 | 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 |
| 61 | Promoter characterization and genomic organization of the human X11 ¹² gene APBA2. <i>NeuroReport</i> , 2012, 23, 146-151. | 1.2 | 5 |
| 62 | Genomic Organization and Promoter Cloning of the Human X11 ¹² Gene <i>APBA1</i> . <i>DNA and Cell Biology</i> , 2012, 31, 651-659. | 1.9 | 2 |
| 63 | 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 |
| 64 | Black rice extract extends the lifespan of fruit flies. <i>Food and Function</i> , 2012, 3, 1271. | 4.6 | 37 |
| 65 | Blueberry extract prolongs lifespan of <i>Drosophila melanogaster</i> . <i>Experimental Gerontology</i> , 2012, 47, 170-178. | 2.8 | 110 |
| 66 | 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 |
| 67 | GULP1 is a novel APP-interacting protein that alters APP processing. <i>Biochemical Journal</i> , 2011, 436, 631-639. | 3.7 | 17 |
| 68 | 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 |
| 69 | 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 |
| 70 | Black tea theaflavins extend the lifespan of fruit flies. <i>Experimental Gerontology</i> , 2009, 44, 773-783. | 2.8 | 64 |
| 71 | 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 |
| 72 | The role of ubiquitin linkages on alpha-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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | 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 |
| 74 | 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 |
| 75 | Broccoli (<i>Brassica oleracea</i> var. botrytis 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | 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 |
| 79 | Sodium dodecyl sulfate-insoluble oligomers are involved in polyglutamine degeneration. <i>FASEB Journal</i> , 2008, 22, 3348-3357. | 0.5 | 29 |
| 80 | 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 |
| 81 | 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 |
| 82 | The influence of protein nucleocytoplasmic transport on expanded polyglutamine-induced neurodegeneration. <i>FASEB Journal</i> , 2008, 22, 1013.6. | 0.5 | 0 |
| 83 | A Green Fluorescent Protein-Based Reporter for Protein Nuclear Import Studies in <i>Drosophila</i> Cells. <i>Fly</i> , 2007, 1, 340-342. | 1.7 | 4 |
| 84 | 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 |
| 85 | 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 |
| 86 | Transcriptional malfunctioning of heat shock protein gene expression in spinocerebellar ataxias. <i>Cerebellum</i> , 2007, 6, 111-117. | 2.5 | 8 |
| 87 | Biophysical characterisation reveals structural disorder in the nucleolar protein, Dribble. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 311-318. | 2.1 | 11 |
| 88 | 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 |
| 89 | 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 |
| 90 | Dynamic regulation of molecular chaperone gene expression in polyglutamine disease. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 1074-1084. | 2.1 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 91 | 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 |
| 92 | <i>Drosophila</i> Models of Polyglutamine Diseases. , 2003, 217, 241-252. | | 5 |
| 93 | Closing the (Ran)GAP on segregation distortion in <i>Drosophila</i> . <i>BioEssays</i> , 2003, 25, 108-115. | 2.5 | 66 |
| 94 | 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 |
| 95 | Aggregated polyglutamine peptides delivered to nuclei are toxic to mammalian cells. <i>Human Molecular Genetics</i> , 2002, 11, 2905-2917. | 2.9 | 321 |
| 96 | 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 |
| 97 | Fly-ing from genes to drugs. <i>Trends in Molecular Medicine</i> , 2002, 8, 99-101. | 6.7 | 3 |
| 98 | Rev-GFP transgenic lines for studies of nucleocytoplasmic transport in <i>Drosophila</i> . <i>Genesis</i> , 2002, 34, 139-141. | 1.6 | 1 |
| 99 | 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 |
| 100 | <i>Drosophila</i> models of human neurodegenerative disease. <i>Cell Death and Differentiation</i> , 2000, 7, 1075-1080. | 11.2 | 74 |
| 101 | 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 |
| 102 | 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 |
| 103 | Identification and characterization of the gene for <i>Drosophila</i> L3 ribosomal protein. <i>Gene</i> , 1998, 212, 119-125. | 2.2 | 13 |
| 104 | Identification and characterization of kraken, a gene encoding a putative hydrolytic enzyme in <i>Drosophila melanogaster</i> . <i>Gene</i> , 1998, 222, 195-201. | 2.2 | 3 |
| 105 | Identification and characterization of the gene for <i>Drosophila</i> S20 ribosomal protein. <i>Gene</i> , 1997, 200, 85-89. | 2.2 | 9 |