Huu Phuc Nguyen

List of Publications by Year
in descending order

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117 papers	12,039 citations	94381 37 h-index	26591 107 g-index
121 all docs	121 docs citations	121 times ranked	24804 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	Transgenic rat model of Huntington's disease. Human Molecular Genetics, 2003, 12, 617-624.	1.4	329
4	Mutational spectrum in a worldwide study of 29,700 families withBRCA1orBRCA2mutations. Human Mutation, 2018, 39, 593-620.	1.1	224
5	Neurodegeneration and Motor Dysfunction in a Conditional Model of Parkinson's Disease. Journal of Neuroscience, 2008, 28, 2471-2484.	1.7	164
6	Cholesterol Defect Is Marked across Multiple Rodent Models of Huntington's Disease and Is Manifest in Astrocytes. Journal of Neuroscience, 2010, 30, 10844-10850.	1.7	136
7	Overexpression of human wildtype torsinA and human Î”GAG torsinA in a transgenic mouse model causes phenotypic abnormalities. Neurobiology of Disease, 2007, 27, 190-206.	2.1	123
8	Sex differences in a transgenic rat model of Huntington's disease: decreased 17Î²-estradiol levels correlate with reduced numbers of DARPP32+ neurons in males. Human Molecular Genetics, 2008, 17, 2595-2609.	1.4	114
9	Behavioral abnormalities precede neuropathological markers in rats transgenic for Huntington's disease. Human Molecular Genetics, 2006, 15, 3177-3194.	1.4	109
10	Localization of sequence variations in PGC-1Î± influence their modifying effect in Huntington disease. Molecular Neurodegeneration, 2011, 6, 1.	4.4	97
11	The regulation of OXPHOS by extramitochondrial calcium. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1018-1027.	0.5	96
12	Age at onset in Huntingtonâ€™s disease is modified by the autophagy pathway: implication of the V471A polymorphism in Atg7. Human Genetics, 2010, 128, 453-459.	1.8	93
13	A Novel BACHD Transgenic Rat Exhibits Characteristic Neuropathological Features of Huntington Disease. Journal of Neuroscience, 2012, 32, 15426-15438.	1.7	89
14	Stem Cell Quiescence in the Hippocampal Neurogenic Niche Is Associated With Elevated Transforming Growth Factor-Î² Signaling in an Animal Model of Huntington Disease. Journal of Neuropathology and Experimental Neurology, 2010, 69, 717-728.	0.9	86
15	Huntingtin-associated protein-1 is a modifier of the age-at-onset of Huntington's disease. Human Molecular Genetics, 2008, 17, 1137-1146.	1.4	78
16	Cellular and subcellular localization of Huntington aggregates in the brain of a rat transgenic for Huntington disease. Journal of Comparative Neurology, 2007, 501, 716-730.	0.9	77
17	Impaired Regulation of Brain Mitochondria by Extramitochondrial Ca2+ in Transgenic Huntington Disease Rats. Journal of Biological Chemistry, 2008, 283, 30715-30724.	1.6	76
18	Personalized peptide vaccine-induced immune response associated with long-term survival of a metastatic cholangiocarcinoma patient. Journal of Hepatology, 2016, 65, 849-855.	1.8	75

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19	Mitochondria and Energetic Depression in Cell Pathophysiology. International Journal of Molecular Sciences, 2009, 10, 2252-2303.	1.8	73
20	1H NMR based metabolomics of CSF and blood serum: A metabolic profile for a transgenic rat model of Huntington disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1371-1379.	1.8	73
21	Generation of a novel rodent model for DYT1 dystonia. Neurobiology of Disease, 2012, 47, 61-74.	2.1	70
22	Calpain-mediated ataxin-3 cleavage in the molecular pathogenesis of spinocerebellar ataxia type 3 (SCA3). Human Molecular Genetics, 2013, 22, 508-518.	1.4	70
23	Patterns of CAG repeat instability in the central nervous system and periphery in Huntingtonâ€™s disease and in spinocerebellar ataxia type 1. Human Molecular Genetics, 2020, 29, 2551-2567.	1.4	69
24	Selective striatal neuron loss and alterations in behavior correlate with impaired striatal function in Huntington's disease transgenic rats. Neurobiology of Disease, 2006, 22, 538-547.	2.1	65
25	Behavioral and In Vivo Electrophysiological Evidence for Presymptomatic Alteration of Prefrontostriatal Processing in the Transgenic Rat Model for Huntington Disease. Journal of Neuroscience, 2011, 31, 8986-8997.	1.7	64
26	Structural and molecular myelination deficits occur prior to neuronal loss in the YAC128 and BACHD models of Huntington disease. Human Molecular Genetics, 2016, 25, ddw122.	1.4	62
27	Activation of AMPK-induced autophagy ameliorates Huntington disease pathology inÂvitro. Neuropharmacology, 2016, 108, 24-38.	2.0	59
28	Progressive deterioration of reaction time performance and choreiform symptoms in a new Huntington's disease transgenic ratmodel. Behavioural Brain Research, 2006, 170, 257-261.	1.2	53
29	Assessment of Motor Function, Sensory Motor Gating and Recognition Memory in a Novel BACHD Transgenic Rat Model for Huntington Disease. PLoS ONE, 2013, 8, e68584.	1.1	53
30	N-terminal ataxin-3 causes neurological symptoms with inclusions, endoplasmic reticulum stress and ribosomal dislocation. Brain, 2011, 134, 1925-1942.	3.7	52
31	The V471A Polymorphism in Autophagy-Related Gene ATG7 Modifies Age at Onset Specifically in Italian Huntington Disease Patients. PLoS ONE, 2013, 8, e68951.	1.1	49
32	Early postnatal behavioral, cellular, and molecular changes in models of Huntington disease are reversible by HDAC inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8765-E8774.	3.3	47
33	Blood level of brain-derived neurotrophic factor mRNA is progressively reduced in rodent models of Huntington's disease: Restoration by the neuroprotective compound CEP-1347. Molecular and Cellular Neurosciences, 2008, 39, 1-7.	1.0	46
34	Automated phenotyping and advanced data mining exemplified in rats transgenic for Huntington's disease. Journal of Neuroscience Methods, 2014, 234, 38-53.	1.3	45
35	Subtle neurological and metabolic abnormalities in an Opa1 mouse model of autosomal dominant optic atrophy. Experimental Neurology, 2009, 220, 404-409.	2.0	44
36	Proteasome and oxidative phoshorylation changes may explain why aging is a risk factor for neurodegenerative disorders. Journal of Proteomics, 2010, 73, 2230-2238.	1.2	39

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37	Factors influencing behavior of group-housed male rats in the social interaction test. Physiology and Behavior, 2001, 74, 277-282.	1.0	38
38	HBOC multi-gene panel testing: comparison of two sequencing centers. Breast Cancer Research and Treatment, 2015, 152, 129-136.	1.1	38
39	Development of an AAV-Based MicroRNA Gene Therapy to Treat Machado-Joseph Disease. Molecular Therapy - Methods and Clinical Development, 2019, 15, 343-358.	1.8	38
40	A Novel Transgenic Rat Model for Spinocerebellar Ataxia Type 17 Recapitulates Neuropathological Changes and SuppliesIn VivoImaging Biomarkers. Journal of Neuroscience, 2013, 33, 9068-9081.	1.7	37
41	Early Deficits in Glycolysis Are Specific to Striatal Neurons from a Rat Model of Huntington Disease. PLoS ONE, 2013, 8, e81528.	1.1	37
42	Mitochondrial Membrane Fluidity is Consistently Increased in Different Models of Huntington Disease: Restorative Effects of Olesoxime. Molecular Neurobiology, 2014, 50, 107-118.	1.9	37
43	Olesoxime suppresses calpain activation and mutant huntingtin fragmentation in the BACHD rat. Brain, 2015, 138, 3632-3653.	3.7	36
44	Increased numbers of motor activity peaks during light cycle are associated with reductions in adrenergic Î±2-receptor levels in a transgenic Huntington's disease rat model. Behavioural Brain Research, 2009, 205, 175-182.	1.2	35
45	Reduction in Subventricular Zone-Derived Olfactory Bulb Neurogenesis in a Rat Model of Huntingtonâ€™s Disease Is Accompanied by Striatal Invasion of Neuroblasts. PLoS ONE, 2015, 10, e0116069.	1.1	34
46	A behavioral comparison of the common laboratory rat strains Lister Hooded, Lewis, Fischer 344 and Wistar in an automated homecage system. Genes, Brain and Behavior, 2014, 13, 305-321.	1.1	33
47	A combinatorial approach to identify calpain cleavage sites in the Machado-Joseph disease protein ataxin-3. Brain, 2017, 140, 1280-1299.	3.7	33
48	Frequency of the loss of CAA interruption in the HTT CAG tract and implications for Huntington disease in the reduced penetrance range. Genetics in Medicine, 2020, 22, 2108-2113.	1.1	32
49	Optical genome mapping reveals additional prognostic information compared to conventional cytogenetics in <scp>AML</scp>/<scp>MDS</scp> patients. International Journal of Cancer, 2022, 150, 1998-2011.	2.3	32
50	Neurobehavioral Tests in Rat Models of Degenerative Brain Diseases. Methods in Molecular Biology, 2010, 597, 333-356.	0.4	31
51	Olfactory neuron-specific expression of A30P alpha-synuclein exacerbates dopamine deficiency and hyperactivity in a novel conditional model of early Parkinson's disease stages. Neurobiology of Disease, 2011, 44, 192-204.	2.1	28
52	Impulsivity trait in the early symptomatic BACHD transgenic rat model of Huntington disease. Behavioural Brain Research, 2016, 299, 6-10.	1.2	25
53	Reversal Learning and Associative Memory Impairments in a BACHD Rat Model for Huntington Disease. PLoS ONE, 2013, 8, e71633.	1.1	24
54	Impaired Decision Making and Loss of Inhibitory-Control in a Rat Model of Huntington Disease. Frontiers in Behavioral Neuroscience, 2016, 10, 204.	1.0	23

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55	The BACHD Rat Model of Huntington Disease Shows Specific Deficits in a Test Battery of Motor Function. Frontiers in Behavioral Neuroscience, 2017, 11, 218.	1.0	23
56	Genotype specific age related changes in a transgenic rat model of Huntington's disease. NeuroImage, 2011, 58, 1006-1016.	2.1	22
57	Olesoxime in neurodegenerative diseases: Scrutinising a promising drug candidate. Biochemical Pharmacology, 2019, 168, 305-318.	2.0	22
58	Impaired dopamine- and adenosine-mediated signaling and plasticity in a novel rodent model for DYT25 dystonia. Neurobiology of Disease, 2020, 134, 104634.	2.1	22
59	Automated quantitative analysis to assess motor function in different rat models of impaired coordination and ataxia. Journal of Neuroscience Methods, 2016, 268, 171-181.	1.3	21
60	Altered diffusion tensor imaging measurements in aged transgenic Huntington disease rats. Brain Structure and Function, 2013, 218, 767-778.	1.2	19
61	Calpastatin ablation aggravates the molecular phenotype in cell and animal models of Huntington disease. Neuropharmacology, 2018, 133, 94-106.	2.0	19
62	The BACHD Rat Model of Huntington Disease Shows Signs of Fronto-Striatal Dysfunction in Two Operant Conditioning Tests of Short-Term Memory. PLoS ONE, 2017, 12, e0169051.	1.1	18
63	Killing Two Angry Birds with One Stone: Autophagy Activation by Inhibiting Calpains in Neurodegenerative Diseases and Beyond. BioMed Research International, 2019, 2019, 1-13.	0.9	18
64	Site-specific ubiquitination of pathogenic huntingtin attenuates its deleterious effects. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18661-18669.	3.3	18
65	Cerebellar Soluble Mutant Ataxin-3 Level Decreases during Disease Progression in Spinocerebellar Ataxia Type 3 Mice. PLoS ONE, 2013, 8, e62043.	1.1	18
66	Ageâ€dependent gene expression profile and protein expression in a transgenic rat model of Huntington's disease. Proteomics - Clinical Applications, 2008, 2, 1638-1650.	0.8	17
67	Modified impact of emotion on temporal discrimination in a transgenic rat model of Huntington disease. Frontiers in Behavioral Neuroscience, 2013, 7, 130.	1.0	17
68	Reduced cell size, chromosomal aberration and altered proliferation rates are characteristics and confounding factors in the STHdh cell model of Huntington disease. Scientific Reports, 2017, 7, 16880.	1.6	17
69	Polygenic Scores for Cognitive Abilities and Their Association with Different Aspects of General Intelligenceâ€"A Deep Phenotyping Approach. Molecular Neurobiology, 2021, 58, 4145-4156.	1.9	17
70	H3 acetylation selectively promotes basal progenitor proliferation and neocortex expansion. Science Advances, 2021, 7, eabc6792.	4.7	16
71	Functional changes in postsynaptic adenosine A2A receptors during early stages of a rat model of Huntington disease. Experimental Neurology, 2011, 232, 76-80.	2.0	15
72	Automated Behavioral Phenotyping Reveals Presymptomatic Alterations in a SCA3 Genetrap Mouse Model. Journal of Genetics and Genomics, 2012, 39, 287-299.	1.7	15

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73	Reduced Motivation in the BACHD Rat Model of Huntington Disease Is Dependent on the Choice of Food Deprivation Strategy. PLoS ONE, 2014, 9, e105662.	1.1	15
74	Reduced impact of emotion on choice behavior in presymptomatic BACHD rats, a transgenic rodent model for Huntington Disease. Neurobiology of Learning and Memory, 2015, 125, 249-257.	1.0	15
75	Mosaic Trisomy 21/Monosomy 21 in a Living Female Infant. Cytogenetic and Genome Research, 2009, 125, 26-32.	0.6	13
76	Dysregulation of gene expression in the striatum of BACHD rats expressing full-length mutant huntingtin and associated abnormalities on molecular and protein levels. Neuropharmacology, 2017, 117, 260-272.	2.0	13
77	BACHD rats expressing full-length mutant huntingtin exhibit differences in social behavior compared to wild-type littermates. PLoS ONE, 2018, 13, e0192289.	1.1	13
78	The calpain-suppressing effects of olesoxime in Huntington's disease. Rare Diseases (Austin, Tex), 2016, 4, e1153778.	1.8	12
79	Brain-penetrant PQR620 mTOR and PQR530 PI3K/mTOR inhibitor reduce huntingtin levels in cell models of HD. Neuropharmacology, 2020, 162, 107812.	2.0	12
80	Low Risk of Severe Acute Respiratory Syndrome Coronavirus 2 Transmission by Fomites: A Clinical Observational Study in Highly Infectious Coronavirus Disease 2019 Patients. Journal of Infectious Diseases, 2022, 226, 1608-1615.	1.9	12
81	Further investigation of phenotypes and confounding factors of progressive ratio performance and feeding behavior in the BACHD rat model of Huntington disease. PLoS ONE, 2017, 12, e0173232.	1.1	11
82	The Guanine Nucleotide Exchange Factor Kalirin-7 Is a Novel Synphilin-1 Interacting Protein and Modifies Synphilin-1 Aggregate Transport and Formation. PLoS ONE, 2012, 7, e51999.	1.1	10
83	Altered reactivity of central amygdala to GABAAR antagonist in the BACHD rat model of Huntington disease. Neuropharmacology, 2017, 123, 136-147.	2.0	10
84	Environment-dependent striatal gene expression in the BACHD rat model for Huntington disease. Scientific Reports, 2018, 8, 5803.	1.6	10
85	Home-cage anxiety levels in a transgenic rat model for Spinocerebellar ataxia type 17 measured by an approach-avoidance task: The light spot test. Journal of Neuroscience Methods, 2018, 300, 48-58.	1.3	10
86	Investigating the effects of additional truncating variants in DNA-repair genes on breast cancer risk in BRCA1-positive women. BMC Cancer, 2019, 19, 787.	1.1	10
87	Intranuclear immunostaining-based FACS protocol from embryonic cortical tissue. STAR Protocols, 2021, 2, 100318.	0.5	10
88	Sexual behavior and testis morphology in the BACHD rat model. PLoS ONE, 2018, 13, e0198338.	1.1	8
89	The Alteration of Emotion Regulation Precedes the Deficits in Interval Timing in the BACHD Rat Model for Huntington Disease. Frontiers in Integrative Neuroscience, 2018, 12, 14.	1.0	8
90	bHLH Transcription Factor Math6 Antagonizes TGF-Î² Signalling in Reprogramming, Pluripotency and Early Cell Fate Decisions. Cells, 2019, 8, 529.	1.8	8

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91	Environmental stimulation in Huntington disease patients and animal models. Neurobiology of Disease, 2022, 171, 105725.	2.1	8
92	Gene expression changes in a transgenic mouse model overexpressing human wildtype and mutant torsinA. Proteomics - Clinical Applications, 2008, 2, 720-736.	0.8	7
93	Automated home cage assessment shows behavioral changes in a transgenic mouse model of spinocerebellar ataxia type 17. Behavioural Brain Research, 2013, 250, 157-165.	1.2	7
94	Serum levels of a subset of cytokines show high interindividual variability and are not altered in rats transgenic for HuntingtonÂ´s disease. PLOS Currents, 2010, 2, RRN1190.	1.4	7
95	Genetic analysis of polymorphisms in the kalirin gene for association with age-at-onset in European Huntington disease patients. BMC Medical Genetics, 2012, 13, 48.	2.1	6
96	Calpains as novel players in the molecular pathogenesis of spinocerebellar ataxia type 17. Cellular and Molecular Life Sciences, 2022, 79, 262.	2.4	6
97	Anxiety and risk assessment-related traits in a rat model of Spinocerebellar ataxia type 17. Behavioural Brain Research, 2017, 321, 106-112.	1.2	5
98	Capturing schizophrenia-like prodromal symptoms in a spinocerebellar ataxia-17 transgenic rat. Journal of Psychopharmacology, 2017, 31, 461-473.	2.0	5
99	Validation of behavioral phenotypes in the BACHD rat model. Behavioural Brain Research, 2020, 393, 112783.	1.2	5
100	Molecular Profiling Reveals Involvement of ESCO2 in Intermediate Progenitor Cell Maintenance in the Developing Mouse Cortex. Stem Cell Reports, 2021, 16, 968-984.	2.3	5
101	Normal-Weight 14-Year-Old Girl with Acanthosis Nigricans and Markedly Increased Hepatic Steatosis: Evidence for the Important Role of Ectopic Fat Deposition in the Pathogenesis of Insulin Resistance in Childhood and Adolescence. Hormone Research in Paediatrics, 2010, 74, 376-380.	0.8	4
102	Teaching Video NeuroImages: New STUB1 Variant Causes Chorea, Tremor, Dystonia, Myoclonus, Ataxia, Depression, Cognitive Impairment, Epilepsy, and Superficial Siderosis. Neurology, 2021, 97, 10.1212/WNL.0000000000012264.	1.5	4
103	DYT6 mutated THAP1 is a cell type dependent regulator of the SP1 family. Brain, 2022, 145, 3968-3984.	3.7	4
104	Mapping of domain-mediated protein-protein interaction by SPOT peptide assay. STAR Protocols, 2021, 2, 100503.	0.5	3
105	Regulation of Cell Delamination During Cortical Neurodevelopment and Implication for Brain Disorders. Frontiers in Neuroscience, 2022, 16, 824802.	1.4	3
106	FDG Î¼PET Fails to Detect a Disease-Specific Phenotype in Rats Transgenic for Huntington's Disease â€“ A 15 Months Follow-up Study. Journal of Huntington's Disease, 2015, 4, 37-47.	0.9	2
107	Dynamic nuclear envelope phenotype in rats overexpressing mutated human torsinA protein. Biology Open, 2018, 7, .	0.6	2
108	The BACHD rat model of Huntington disease shows slowed learning in a Go/No-Go-like test of visual discrimination. Behavioural Brain Research, 2019, 359, 116-126.	1.2	2

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109	Adenoma and colorectal cancer risks in Lynch syndrome, Lynchâ€like syndrome and familial colorectal cancer type X. International Journal of Cancer, 2022, 150, 56-66.	2.3	2
110	Ageâ€related alteration of emotional regulation in the BACHD rat model of Huntington disease. Genes, Brain and Behavior, 2020, 19, e12633.	1.1	1
111	The Novel Alpha-2 Adrenoceptor Inhibitor Beditin Reduces Cytotoxicity and Huntingtin Aggregates in Cell Models of Huntingtonâ€™s Disease. Pharmaceuticals, 2021, 14, 257.	1.7	1
112	B42â€…Early olfactory behaviour deficits associated with olfactory bulb atrophy and caspase-8 activation in HD rodent models. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A24.1-A24.	0.9	0
113	C6â€…Novel behavioural readouts of the bachd rat in the reeperbahn and barnes maze tests. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A28.3-A29.	0.9	0
114	C7â€…The bachd rat model of huntingtonâ€™s disease shows signs of fronto-striatal dysfunction in two skinner box-based tests of short-term memory. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A29.1-A29.	0.9	0
115	B05â€…Environment-driven influences and neuroprotection in the BACHD RAT model for huntington disease. , 2018, , .		0
116	Huntington disease update: new insights into the role of repeat instability in disease pathogenesis. Medizinische Genetik, 2022, 33, 293-300.	0.1	0
117	Differential Cellular Balance of Olfactory and Vomeronasal Epithelia in a Transgenic BACHD Rat Model of Huntingtonâ€™s Disease. International Journal of Molecular Sciences, 2022, 23, 7625.	1.8	0