Ray Truant

List of Publications by Year in descending order

56 papers	3,438 citations	159585 30 h-index	189892 50 g-index
63 all docs	63 docs citations	63 times ranked	3630 citing authors

#	Article	IF	Citations
1	Huntingtin has a membrane association signal that can modulate huntingtin aggregation, nuclear entry and toxicity. Human Molecular Genetics, 2007, 16, 2600-2615.	2.9	322
2	Nuclear Import of Cdk/Cyclin Complexes: Identification of Distinct Mechanisms for Import of Cdk2/Cyclin E and Cdc2/Cyclin B1. Journal of Cell Biology, 1999, 144, 213-224.	5.2	192
3	Direct interaction between the transcriptional activation domain of human p53 and the TATA box-binding protein.. Journal of Biological Chemistry, 1993, 268, 2284-2287.	3.4	188
4	Kinase inhibitors modulate huntingtin cell localization and toxicity. Nature Chemical Biology, 2011, 7, 453-460.	8.0	164
5	Direct interaction between the transcriptional activation domain of human p53 and the TATA box-binding protein. Journal of Biological Chemistry, 1993, 268, 2284-7.	3.4	159
6	Ganglioside GM1 induces phosphorylation of mutant huntingtin and restores normal motor behavior in Huntington disease mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3528-3533.	7.1	140
7	Nuclear import of hnRNP A1 is mediated by a novel cellular cofactor related to karyopherin-Î². Journal of Cell Science, 1997, 110, 1325-1331.	2.0	138
8	Huntingtin contains a highly conserved nuclear export signal. Human Molecular Genetics, 2003, 12, 1393-1403.	2.9	128
9	Inhibition of Metabotropic Glutamate Receptor Signaling by the Huntingtin-binding Protein Optineurin. Journal of Biological Chemistry, 2005, 280, 34840-34848.	3.4	127
10	Polyglutamine domain flexibility mediates the proximity between flanking sequences in huntingtin. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14610-14615.	7.1	127
11	Determination of the Functional Domain Organization of the Importin Î± Nuclear Import Factor. Journal of Cell Biology, 1998, 143, 309-318.	5.2	123
12	Mutant huntingtin causes defective actin remodeling during stress: defining a new role for transglutaminase 2 in neurodegenerative disease. Human Molecular Genetics, 2011, 20, 1937-1951.	2.9	121
13	The huntingtin N17 domain is a multifunctional CRM1 and Ran-dependent nuclear and cilial export signal. Human Molecular Genetics, 2013, 22, 1383-1394.	2.9	114
14	RNA association and nucleocytoplasmic shuttling by ataxin-1. Journal of Cell Science, 2005, 118, 233-242.	2.0	109
15	Huntingtonâ€™s disease: revisiting the aggregation hypothesis in polyglutamine neurodegenerative diseases. FEBS Journal, 2008, 275, 4252-4262.	4.7	92
16	Huntingtin is a scaffolding protein in the ATM oxidative DNA damage response complex. Human Molecular Genetics, 2017, 26, ddw395.	2.9	83
17	Cofilin Nuclear-Cytoplasmic Shuttling Affects Cofilin-Actin Rod Formation During Stress. Journal of Cell Science, 2012, 125, 3977-88.	2.0	82
18	A stress sensitive ER membrane-association domain in Huntingtin protein defines a potential role for Huntingtin in the regulation of autophagy. Autophagy, 2008, 4, 91-93.	9.1	81

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19	DNA Damage Repair in Huntington's Disease and Other Neurodegenerative Diseases. Neurotherapeutics, 2019, 16, 948-956.	4.4	69
20	Using FLIM-FRET to Measure Conformational Changes of Transglutaminase Type 2 in Live Cells. PLoS ONE, 2012, 7, e44159.	2.5	66
21	Identification and Functional Characterization of a Novel Nuclear Localization Signal Present in the Yeast Nab2 Poly(A)⁺ RNA Binding Protein. Molecular and Cellular Biology, 1998, 18, 1449-1458.	2.3	64
22	The Human Tap Nuclear RNA Export Factor Contains a Novel Transportin-dependent Nuclear Localization Signal That Lacks Nuclear Export Signal Function. Journal of Biological Chemistry, 1999, 274, 32167-32171.	3.4	59
23	Hypothesis: huntingtin may function in membrane association and vesicular traffickingThis paper is one of a selection of papers published in this Special Issue, entitled CSBMCB â€" Membrane Proteins in Health and Disease.. Biochemistry and Cell Biology, 2006, 84, 912-917.	2.0	53
24	Nucleocytoplasmic trafficking and transcription effects of huntingtin in Huntington's disease. Progress in Neurobiology, 2007, 83, 211-227.	5.7	50
25	Huntingtin N17 domain is a reactive oxygen species sensor regulating huntingtin phosphorylation and localization. Human Molecular Genetics, 2016, 25, 3937-3945.	2.9	48
26	A unifying mechanism in neurodegeneration. Nature, 2017, 541, 34-35.	27.8	45
27	Identification of a Karyopherin Î²1/Î²2 Proline-Tyrosine Nuclear Localization Signal in Huntingtin Protein. Journal of Biological Chemistry, 2012, 287, 39626-39633.	3.4	40
28	N6-Furfuryladenine is protective in Huntingtonâ€™s disease models by signaling huntingtin phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7081-E7090.	7.1	40
29	Ataxin-7 Can Export from the Nucleus via a Conserved Exportin-dependent Signal. Journal of Biological Chemistry, 2006, 281, 2730-2739.	3.4	38
30	The role of the cofilin-actin rod stress response in neurodegenerative diseases uncovers potential new drug targets. Bioarchitecture, 2012, 2, 204-208.	1.5	36
31	A huntingtin-mediated fast stress response halting endosomal trafficking is defective in Huntington's disease. Human Molecular Genetics, 2015, 24, 450-462.	2.9	35
32	Live cell imaging and biophotonic methods reveal two types of mutant huntingtin inclusions. Human Molecular Genetics, 2014, 23, 2324-2338.	2.9	30
33	Bacteria Getting into Shape: Genetic Determinants of E.Âcoli Morphology. MBio, 2017, 8, .	4.1	29
34	DIXDC1 Phosphorylation and Control of Dendritic Morphology Are Impaired by Rare Genetic Variants. Cell Reports, 2016, 17, 1892-1904.	6.4	28
35	A patient-derived cellular model for Huntingtonâ€™s disease reveals phenotypes at clinically relevant CAG lengths. Molecular Biology of the Cell, 2018, 29, 2809-2820.	2.1	26
36	DNA Repair Signaling of Huntingtin: The Next Link Between Late-Onset Neurodegenerative Disease and Oxidative DNA Damage. DNA and Cell Biology, 2019, 38, 1-6.	1.9	25

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37	When the labs closed: graduate studentsâ€™ and postdoctoral fellowsâ€™ experiences of disrupted research during the COVID-19 pandemic. Facets, 2021, 6, 966-997.	2.4	25
38	Huntingtin structure is orchestrated by HAP40 and shows a polyglutamine expansion-specific interaction with exon 1. Communications Biology, 2021, 4, 1374.	4.4	22
39	Live-Cell Nucleocytoplasmic Protein Shuttle Assay Utilizing Laser Confocal Microscopy and FRAP. BioTechniques, 2002, 32, 80-87.	1.8	21
40	DNA Repair in Huntingtonâ€™s Disease and Spinocerebellar Ataxias: Somatic Instability and Alternative Hypotheses. Journal of Huntington's Disease, 2021, 10, 165-173.	1.9	17
41	Shedding a new light on Huntingtonâ€™s disease: how blood can both propagate and ameliorate disease pathology. Molecular Psychiatry, 2021, 26, 5441-5463.	7.9	16
42	High-mobility group box 1 links sensing of reactive oxygen species by huntingtin to its nuclear entry. Journal of Biological Chemistry, 2019, 294, 1915-1923.	3.4	12
43	Canadian Association of Neurosciences Review: Polyglutamine Expansion Neurodegenerative Diseases. Canadian Journal of Neurological Sciences, 2006, 33, 278-291.	0.5	11
44	The impact of the COVID-19 pandemic on perceived publication pressure among academic researchers in Canada. PLoS ONE, 2022, 17, e0269743.	2.5	10
45	Nucleocytoplasmic transport of huntingtin and Huntington's disease. Clinical Neuroscience Research, 2003, 3, 157-164.	0.8	7
46	A multifunctional, multi-pathway intracellular localization signal in Huntingtin. Communicative and Integrative Biology, 2013, 6, e23318.	1.4	6
47	Development of a knowledge translation platform for ataxia: Impact on readers and volunteer contributors. PLoS ONE, 2020, 15, e0238512.	2.5	5
48	Spinocerebellar Ataxia Type 1 protein Ataxin-1 is signaled to DNA damage by ataxia-telangiectasia mutated kinase. Human Molecular Genetics, 2021, 30, 706-715.	2.9	2
49	Functional characterization of variants of unknown significance in a spinocerebellar ataxia patient using an unsupervised machine learning pipeline. Human Genome Variation, 2022, 9, 10.	0.7	2
50	Single Cell Technologies Define New Therapeutic Avenues for Huntingtonâ€™s Disease. Neuron, 2020, 107, 768-769.	8.1	1
51	Title is missing!. , 2020, 15, e0238512.		0
52	Title is missing!. , 2020, 15, e0238512.		0
53	Title is missing!. , 2020, 15, e0238512.		0
54	Title is missing!. , 2020, 15, e0238512.		0

#	Article	IF	Citations
55	Mod3D: A low-cost, flexible modular system of live-cell microscopy chambers and holders. PLoS ONE, 2022, 17, e0269345.	2.5	0
56	Recent Microscopy Advances and the Applications to Huntingtonâ€™s Disease Research. Journal of Huntington's Disease, 2022, , 1-12.	1.9	0