Ray Truant

List of Publications by Year in descending order

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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	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
2	Mod3D: A low-cost, flexible modular system of live-cell microscopy chambers and holders. PLoS ONE, 2022, 17, e0269345.	2.5	0
3	The impact of the COVID-19 pandemic on perceived publication pressure among academic researchers in Canada. PLoS ONE, 2022, 17, e0269743.	2.5	10
4	Recent Microscopy Advances and the Applications to Huntingtonâ€™s Disease Research. Journal of Huntington's Disease, 2022, , 1-12.	1.9	0
5	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
6	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
7	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
8	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
9	Huntingtin structure is orchestrated by HAP40 and shows a polyglutamine expansion-specific interaction with exon 1. Communications Biology, 2021, 4, 1374.	4.4	22
10	Single Cell Technologies Define New Therapeutic Avenues for Huntingtonâ€™s Disease. Neuron, 2020, 107, 768-769.	8.1	1
11	Development of a knowledge translation platform for ataxia: Impact on readers and volunteer contributors. PLoS ONE, 2020, 15, e0238512.	2.5	5
12	Title is missing!. , 2020, 15, e0238512.		0
13	Title is missing!. , 2020, 15, e0238512.		0
14	Title is missing!. , 2020, 15, e0238512.		0
15	Title is missing!. , 2020, 15, e0238512.		0
16	DNA Damage Repair in Huntington's Disease and Other Neurodegenerative Diseases. Neurotherapeutics, 2019, 16, 948-956.	4.4	69
17	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
18	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

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19	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
20	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
21	Huntingtin is a scaffolding protein in the ATM oxidative DNA damage response complex. Human Molecular Genetics, 2017, 26, ddw395.	2.9	83
22	Bacteria Getting into Shape: Genetic Determinants of E.Âcoli Morphology. MBio, 2017, 8, .	4.1	29
23	A unifying mechanism in neurodegeneration. Nature, 2017, 541, 34-35.	27.8	45
24	Huntingtin N17 domain is a reactive oxygen species sensor regulating huntingtin phosphorylation and localization. Human Molecular Genetics, 2016, 25, 3937-3945.	2.9	48
25	DIXDC1 Phosphorylation and Control of Dendritic Morphology Are Impaired by Rare Genetic Variants. Cell Reports, 2016, 17, 1892-1904.	6.4	28
26	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
27	Live cell imaging and biophotonic methods reveal two types of mutant huntingtin inclusions. Human Molecular Genetics, 2014, 23, 2324-2338.	2.9	30
28	A multifunctional, multi-pathway intracellular localization signal in Huntingtin. Communicative and Integrative Biology, 2013, 6, e23318.	1.4	6
29	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
30	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
31	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
32	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
33	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
34	Cofilin Nuclear-Cytoplasmic Shuttling Affects Cofilin-Actin Rod Formation During Stress. Journal of Cell Science, 2012, 125, 3977-88.	2.0	82
35	Using FLIM-FRET to Measure Conformational Changes of Transglutaminase Type 2 in Live Cells. PLoS ONE, 2012, 7, e44159.	2.5	66
36	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

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37	Kinase inhibitors modulate huntingtin cell localization and toxicity. Nature Chemical Biology, 2011, 7, 453-460.	8.0	164
38	Huntingtonâ€™s disease: revisiting the aggregation hypothesis in polyglutamine neurodegenerative diseases. FEBS Journal, 2008, 275, 4252-4262.	4.7	92
39	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
40	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
41	Nucleocytoplasmic trafficking and transcription effects of huntingtin in Huntington's disease. Progress in Neurobiology, 2007, 83, 211-227.	5.7	50
42	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
43	Canadian Association of Neurosciences Review: Polyglutamine Expansion Neurodegenerative Diseases. Canadian Journal of Neurological Sciences, 2006, 33, 278-291.	0.5	11
44	Ataxin-7 Can Export from the Nucleus via a Conserved Exportin-dependent Signal. Journal of Biological Chemistry, 2006, 281, 2730-2739.	3.4	38
45	RNA association and nucleocytoplasmic shuttling by ataxin-1. Journal of Cell Science, 2005, 118, 233-242.	2.0	109
46	Inhibition of Metabotropic Glutamate Receptor Signaling by the Huntingtin-binding Protein Optineurin. Journal of Biological Chemistry, 2005, 280, 34840-34848.	3.4	127
47	Nucleocytoplasmic transport of huntingtin and Huntington's disease. Clinical Neuroscience Research, 2003, 3, 157-164.	0.8	7
48	Huntingtin contains a highly conserved nuclear export signal. Human Molecular Genetics, 2003, 12, 1393-1403.	2.9	128
49	Live-Cell Nucleocytoplasmic Protein Shuttle Assay Utilizing Laser Confocal Microscopy and FRAP. BioTechniques, 2002, 32, 80-87.	1.8	21
50	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
51	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
52	Determination of the Functional Domain Organization of the Importin Î± Nuclear Import Factor. Journal of Cell Biology, 1998, 143, 309-318.	5.2	123
53	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
54	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

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55	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
56	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