

# Colin Dingwall

## List of Publications by Year in descending order

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53  
papers

10,870  
citations

94433

37  
h-index

175258

52  
g-index

53  
all docs

53  
docs citations

53  
times ranked

7899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear targeting sequences â€” a consensus?. Trends in Biochemical Sciences, 1991, 16, 478-481.	7.5	1,953
2	Two interdependent basic domains in nucleoplasmin nuclear targeting sequence: Identification of a class of bipartite nuclear targeting sequence. Cell, 1991, 64, 615-623.	28.9	1,489
3	Identification of a Novel Aspartic Protease (Asp 2) as Î²-Secretase. Molecular and Cellular Neurosciences, 1999, 14, 419-427.	2.2	1,056
4	Protein Import into the Cell Nucleus. Annual Review of Cell Biology, 1986, 2, 367-390.	26.1	564
5	A polypeptide domain that specifies migration of nucleoplasmin into the nucleus. Cell, 1982, 30, 449-458.	28.9	558
6	Two different subunits of importin cooperate to recognize nuclear localization signals and bind them to the nuclear envelope. Current Biology, 1995, 5, 383-392.	3.9	472
7	The Serine Protease Omi/HtrA2 Regulates Apoptosis by Binding XIAP through a Reaper-like Motif. Journal of Biological Chemistry, 2002, 277, 439-444.	3.4	470
8	HIV-1 regulator of virion expression (Rev) protein binds to an RNA stem-loop structure located within the Rev response element region. Cell, 1990, 60, 685-693.	28.9	406
9	Exclusively targeting Î²-secretase to lipid rafts by GPI-anchor addition up-regulates Î²-site processing of the amyloid precursor protein. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11735-11740.	7.1	346
10	Neuronal membrane cholesterol loss enhances amyloid peptide generation. Journal of Cell Biology, 2004, 167, 953-960.	5.2	308
11	Compartmentalization of Î²-secretase (Asp2) into low-buoyant density, noncaveolar lipid rafts. Current Biology, 2001, 11, 1288-1293.	3.9	300
12	Caspase-6 gene disruption reveals a requirement for lamin A cleavage in apoptotic chromatin condensation. EMBO Journal, 2002, 21, 1967-1977.	7.8	233
13	Comparative mutagenesis of nuclear localization signals reveals the importance of neutral and acidic amino acids. Current Biology, 1996, 6, 1025-1027.	3.9	228
14	Characterization of human HtrA2, a novel serine protease involved in the mammalian cellular stress response. FEBS Journal, 2000, 267, 5699-5710.	0.2	227
15	Regulated Nuclear-Cytoplasmic Localization of Interferon Regulatory Factor 3, a Subunit of Double-Stranded RNA-Activated Factor 1. Molecular and Cellular Biology, 2000, 20, 4159-4168.	2.3	191
16	Oral administration of a potent and selective nonâ€”peptidic BACEâ€”1 inhibitor decreases Î²â€”cleavage of amyloid precursor protein and amyloidâ€”Î² production <i>in vivo</i> . Journal of Neurochemistry, 2007, 100, 802-809.	3.9	186
17	The Crystal Structure of Nucleoplasmin-Core. Molecular Cell, 2001, 8, 841-853.	9.7	164
18	BACE1 (Î²-secretase) transgenic and knockout mice: identification of neurochemical deficits and behavioral changes. Molecular and Cellular Neurosciences, 2003, 24, 646-655.	2.2	140

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19	Raft disorganization leads to reduced plasmin activity in Alzheimer's disease brains. <i>EMBO Reports</i> , 2003, 4, 1190-1196.	4.5	125
20	BACE1 Cytoplasmic Domain Interacts with the Copper Chaperone for Superoxide Dismutase-1 and Binds Copper. <i>Journal of Biological Chemistry</i> , 2005, 280, 17930-17937.	3.4	111
21	A genetic system for detection of protein nuclear import and export. <i>Nature Biotechnology</i> , 2000, 18, 433-437.	17.5	107
22	Characterization of the Glycosylation Profiles of Alzheimer's $\beta$ -Secretase Protein Asp-2 Expressed in a Variety of Cell Lines. <i>Journal of Biological Chemistry</i> , 2001, 276, 16739-16748.	3.4	83
23	Lipid rafts mediate the interaction between myelin-associated glycoprotein (MAG) on myelin and MAG-receptors on neurons. <i>Molecular and Cellular Neurosciences</i> , 2003, 22, 344-352.	2.2	82
24	Cyclin-Dependent Kinase-5/p35 Phosphorylates Presenilin 1 to Regulate Carboxy-Terminal Fragment Stability. <i>Molecular and Cellular Neurosciences</i> , 2002, 20, 13-20.	2.2	71
25	Transport across the nuclear envelope: Enigmas and explanations. <i>BioEssays</i> , 1991, 13, 213-218.	2.5	68
26	BACE-1 inhibitors part 3: Identification of hydroxy ethylamines (HEAs) with nanomolar potency in cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1022-1026.	2.2	62
27	Second Generation of Hydroxyethylamine BACE-1 Inhibitors: Optimizing Potency and Oral Bioavailability. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 3313-3317.	6.4	62
28	The accumulation of proteins in the nucleus. <i>Trends in Biochemical Sciences</i> , 1985, 10, 64-66.	7.5	59
29	Nuclear import: A tale of two sites. <i>Current Biology</i> , 1998, 8, R922-R924.	3.9	59
30	BACE-1 inhibitors part 2: Identification of hydroxy ethylamines (HEAs) with reduced peptidic character. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1017-1021.	2.2	55
31	Chromatin assembly in vitro and in vivo. <i>BioEssays</i> , 1988, 9, 44-49.	2.5	53
32	Second generation of BACE-1 inhibitors part 3: Towards non hydroxyethylamine transition state mimetics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3674-3678.	2.2	53
33	In search of an enzyme: the $\beta$ -secretase of Alzheimer's disease is an aspartic proteinase. <i>Trends in Neurosciences</i> , 2000, 23, 565-570.	8.6	51
34	Characterization of the Ectodomain Shedding of the $\beta$ -Site Amyloid Precursor Protein-cleaving Enzyme 1 (BACE1). <i>Journal of Biological Chemistry</i> , 2003, 278, 36264-36268.	3.4	49
35	Second generation of BACE-1 inhibitors. Part 1: The need for improved pharmacokinetics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3664-3668.	2.2	46
36	BACE-1 inhibitors Part 1: Identification of novel hydroxy ethylamines (HEAs). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1011-1016.	2.2	45

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37	Second generation of BACE-1 inhibitors part 2: Optimisation of the non-prime side substituent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3669-3673.	2.2	45
38	Down-regulation of the ATP-binding Cassette Transporter 2 (Abca2) Reduces Amyloid- $\beta^2$ Production by Altering Nicastrin Maturation and Intracellular Localization. <i>Journal of Biological Chemistry</i> , 2012, 287, 1100-1111.	3.4	39
39	Caspase-7 Gene Disruption Reveals an Involvement of the Enzyme during the Early Stages of Apoptosis. <i>Journal of Biological Chemistry</i> , 2004, 279, 1030-1039.	3.4	38
40	Prodomain Processing of Asp1 (BACE2) Is Autocatalytic. <i>Journal of Biological Chemistry</i> , 2001, 276, 23322-23328.	3.4	37
41	Elevated levels of amyloid precursor protein in muscle of patients with amyotrophic lateral sclerosis and a mouse model of the disease. <i>Muscle and Nerve</i> , 2006, 34, 444-450.	2.2	34
42	Spotlight on BACE: The secretases as targets for treatment in Alzheimer disease. <i>Journal of Clinical Investigation</i> , 2001, 108, 1243-1246.	8.2	31
43	Deficiency of the Copper Chaperone for Superoxide Dismutase Increases Amyloid- $\beta^2$ Production. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 1101-1105.	2.6	23
44	Developmental inactivity of 5S RNA genes persists when chromosomes are cut between genes. <i>Nature</i> , 1982, 299, 652-653.	27.8	20
45	Plugging the nuclear pore. <i>Nature</i> , 1990, 346, 512-513.	27.8	20
46	Characterisation of the nuclear location sequence of <i>Xenopus</i> nucleoplasmin. <i>Journal of Cell Science</i> , 1989, 1989, 243-248.	2.0	15
47	BACE-1 hydroxyethylamine inhibitors using novel edge-to-face interaction with Arg-296. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4639-4644.	2.2	12
48	Chapter 23 In Vitro Systems for the Reconstitution of snRNP and Protein Nuclear Import. <i>Methods in Cell Biology</i> , 1997, 53, 517-543.	1.1	10
49	Transportin nuclear proteins. <i>Nature</i> , 1996, 384, 210-211.	27.8	6
50	Neurite-like structures induced by mevalonate pathway blockade are due to the stability of cell adhesion foci and are enhanced by the presence of APP. <i>Journal of Neurochemistry</i> , 2010, 114, 832-842.	3.9	5
51	Functional dissection of a viral transactivator. <i>BioEssays</i> , 1991, 13, 85-86.	2.5	2
52	Introduction: The nuclear envelope. <i>Seminars in Cell Biology</i> , 1992, 3, 221-223.	3.4	1
53	Trans-Activation Requires the Binding of the HIV-1 Tat Protein to Tar RNA. , 1991, , 133-143.		0