

Cyril C Curtain

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

3,169
citations

22
h-index

50
g-index

50
ext. papers

3,328
ext. citations

3.4
avg, IF

3.94
L-index

#	Paper	IF	Citations
48	Alzheimer's disease amyloid-beta binds copper and zinc to generate an allosterically ordered membrane-penetrating structure containing superoxide dismutase-like subunits. <i>Journal of Biological Chemistry</i> , 2001 , 276, 20466-73	5.4	530
47	Copper-dependent inhibition of human cytochrome c oxidase by a dimeric conformer of amyloid-beta1-42. <i>Journal of Neuroscience</i> , 2005 , 25, 672-9	6.6	291
46	Copper and zinc binding modulates the aggregation and neurotoxic properties of the prion peptide PrP106-126. <i>Biochemistry</i> , 2001 , 40, 8073-84	3.2	247
45	Tyrosine gated electron transfer is key to the toxic mechanism of Alzheimer's disease beta-amyloid. <i>FASEB Journal</i> , 2004 , 18, 1427-9	0.9	231
44	Dopamine promotes alpha-synuclein aggregation into SDS-resistant soluble oligomers via a distinct folding pathway. <i>FASEB Journal</i> , 2005 , 19, 1377-9	0.9	217
43	Structure of the Alzheimer's disease amyloid precursor protein copper binding domain. A regulator of neuronal copper homeostasis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 17401-7	5.4	208
42	Metal ions, pH, and cholesterol regulate the interactions of Alzheimer's disease amyloid-beta peptide with membrane lipid. <i>Journal of Biological Chemistry</i> , 2003 , 278, 2977-82	5.4	171
41	Neurotoxic, redox-competent Alzheimer's beta-amyloid is released from lipid membrane by methionine oxidation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 42959-65	5.4	156
40	Copper-mediated amyloid-beta toxicity is associated with an intermolecular histidine bridge. <i>Journal of Biological Chemistry</i> , 2006 , 281, 15145-54	5.4	150
39	Methylation of the imidazole side chains of the Alzheimer disease amyloid-beta peptide results in abolition of superoxide dismutase-like structures and inhibition of neurotoxicity. <i>Journal of Biological Chemistry</i> , 2005 , 280, 13355-63	5.4	101
38	Enhanced toxicity and cellular binding of a modified amyloid beta peptide with a methionine to valine substitution. <i>Journal of Biological Chemistry</i> , 2004 , 279, 42528-34	5.4	92
37	Structural studies of the Alzheimer's amyloid precursor protein copper-binding domain reveal how it binds copper ions. <i>Journal of Molecular Biology</i> , 2007 , 367, 148-61	6.5	85
36	The structure of dopamine induced alpha-synuclein oligomers. <i>European Biophysics Journal</i> , 2010 , 39, 1407-19	1.9	76
35	Ammonium hydroxide treatment of A β produces an aggregate free solution suitable for biophysical and cell culture characterization. <i>PeerJ</i> , 2013 , 1, e73	3.1	72
34	Stabilization of nontoxic A β oligomers: insights into the mechanism of action of hydroxyquinolines in Alzheimer's disease. <i>Journal of Neuroscience</i> , 2015 , 35, 2871-84	6.6	56
33	Twenty years of metallo-neurobiology: where to now?. <i>European Biophysics Journal</i> , 2008 , 37, 241-5	1.9	49
32	Stereospecific interactions are necessary for Alzheimer disease amyloid- β toxicity. <i>Neurobiology of Aging</i> , 2011 , 32, 235-48	5.6	43

31	Selective, high-affinity binding of ferric ions by glycine-extended gastrin(17). <i>Biochemistry</i> , 2001 , 40, 10741-6	3.2	32
30	The amino-terminal peptide of HIV-1 glycoprotein 41 fuses human erythrocytes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1995 , 1271, 304-14	6.9	28
29	Histidine 14 modulates membrane binding and neurotoxicity of the Alzheimer's disease amyloid-beta peptide. <i>Journal of Alzheimerts Disease</i> , 2010 , 19, 1387-400	4.3	27
28	Fusogenic activity of amino-terminal region of HIV type 1 Nef protein. <i>AIDS Research and Human Retroviruses</i> , 1994 , 10, 1231-40	1.6	24
27	Spin probe clustering in human erythrocyte ghosts. <i>Journal of Membrane Biology</i> , 1985 , 84, 81-95	2.3	24
26	Alpha-synuclein oligomers and fibrils originate in two distinct conformer pools: a small angle X-ray scattering and ensemble optimisation modelling study. <i>Molecular BioSystems</i> , 2015 , 11, 190-6		22
25	The amino-terminal peptide of HIV-1 gp41 interacts with human serum albumin. <i>AIDS Research and Human Retroviruses</i> , 1993 , 9, 1145-56	1.6	22
24	Thermotropic lipid phase separation in the human immunodeficiency virus. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988 , 943, 331-42	3.8	20
23	Small angle X-ray scattering analysis of Cu(2+)-induced oligomers of the Alzheimer's amyloid β peptide. <i>Metallomics</i> , 2015 , 7, 536-43	4.5	19
22	Magnetic Resonance Studies of β Amyloid Peptides. <i>Australian Journal of Chemistry</i> , 2003 , 56, 349	1.2	19
21	Antivirals that target the amino-terminal domain of HIV type 1 glycoprotein 41. <i>AIDS Research and Human Retroviruses</i> , 1995 , 11, 677-86	1.6	18
20	Residues within the HFRIGC sequence of HIV-1 vpr involved in growth arrest activities. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 264, 287-90	3.4	17
19	Cu ²⁺ -induced modification of the kinetics of A beta(1-42) channels. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C873-80	5.4	16
18	Cytotoxicity resulting from addition of HIV-1 Nef N-terminal peptides to yeast and bacterial cells. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 232, 707-11	3.4	13
17	Methionine oxidation: Implications for the mechanism of toxicity of the β amyloid peptide from Alzheimer's disease. <i>International Journal of Peptide Research and Therapeutics</i> , 2003 , 10, 413-417		13
16	Fatty-acid spin probe interactions with erythrocyte ghosts and liposomes prepared from erythrocyte ghosts. <i>Journal of Membrane Biology</i> , 1989 , 111, 155-68	2.3	13
15	Efficacy of fusion peptide homologs in blocking cell lysis and HIV-induced fusion. <i>AIDS Research and Human Retroviruses</i> , 1998 , 14, 385-92	1.6	9
14	Structure and dynamics of microemulsions which mimic the lipid phase of low-density lipoproteins. <i>Lipids and Lipid Metabolism</i> , 1990 , 1042, 42-50		9

13	Electron spin resonance spectroscopy in the study of lymphoid cell receptors. <i>Methods in Enzymology</i> , 1987 , 150, 418-46	1.7	8
12	Guanidine hydrochloride denaturation of dopamine-induced β synuclein oligomers: a small-angle X-ray scattering study. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014 , 82, 10-21	4.2	7
11	Applications of electron paramagnetic resonance to studies of neurological disease. <i>European Biophysics Journal</i> , 2008 , 37, 281-94	1.9	7
10	Estimation of spin probe clustering in biological membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987 , 898, 202-13	3.8	6
9	Structural requirements for the cytotoxicity of the N-terminal region of HIV type 1 Nef. <i>AIDS Research and Human Retroviruses</i> , 1998 , 14, 1543-51	1.6	5
8	Preparation and characterization of a biologically active spin-labeled sea anemone toxin. <i>The Protein Journal</i> , 1996 , 15, 427-34		4
7	Membrane-targeted strategies for modulating APP and A β -mediated toxicity. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 249-61	5.6	3
6	Methionine oxidation: Implications for the mechanism of toxicity of the β amyloid peptide from Alzheimer's disease. <i>International Journal of Peptide Research and Therapeutics</i> , 2003 , 10, 413-417	2.1	3
5	Free Radicals, Metal Ions, and A β Aggregation and Neurotoxicity 2007 , 31-47		3
4	Apolipoprotein C-II Adopts Distinct Structures in Complex with Micellar and Submicellar Forms of the Amyloid-Inhibiting Lipid-Mimetic Dodecylphosphocholine. <i>Biophysical Journal</i> , 2016 , 110, 85-94	2.9	2
3	We see what we are trained to see, or must we? Some personal lessons from a brush with kuru research. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 3633-4	5.8	1
2	Dopamine-Induced β Synuclein Oligomers 2014 , 291-300		
1	Copper Coordination by β Amyloid and the Neuropathology of Alzheimer's Disease 2007 , 125-141		