Cyril C Curtain

List of Publications by Year
in descending order

50 papers	3,542 citations	257450 24 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	3594 citing authors

#	Article	IF	Citations
1	Alzheimer's Disease Amyloid-Î² Binds Copper and Zinc to Generate an Allosterically Ordered Membrane-penetrating Structure Containing Superoxide Dismutase-like Subunits. Journal of Biological Chemistry, 2001, 276, 20466-20473.	3.4	595
2	Copper-Dependent Inhibition of Human Cytochrome c Oxidase by a Dimeric Conformer of Amyloid-Â1-42. Journal of Neuroscience, 2005, 25, 672-679.	3.6	315
3	Copper and Zinc Binding Modulates the Aggregation and Neurotoxic Properties of the Prion Peptide PrP106â˜126. Biochemistry, 2001, 40, 8073-8084.	2.5	264
4	Tyrosine gated electron transfer is key to the toxic mechanism of Alzheimer's disease Î²â€amyloid. FASEB Journal, 2004, 18, 1427-1429.	0.5	251
5	Structure of the Alzheimer's Disease Amyloid Precursor Protein Copper Binding Domain. Journal of Biological Chemistry, 2003, 278, 17401-17407.	3.4	248
6	Dopamine promotes Î±â€synuclein aggregation into SDSâ€resistant soluble oligomers via a distinct folding pathway. FASEB Journal, 2005, 19, 1377-1379.	0.5	239
7	Metal Ions, pH, and Cholesterol Regulate the Interactions of Alzheimer's Disease Amyloid-Î² Peptide with Membrane Lipid. Journal of Biological Chemistry, 2003, 278, 2977-2982.	3.4	190
8	Neurotoxic, Redox-competent Alzheimer's Î²-Amyloid Is Released from Lipid Membrane by Methionine Oxidation. Journal of Biological Chemistry, 2003, 278, 42959-42965.	3.4	176
9	Copper-mediated Amyloid-Î² Toxicity Is Associated with an Intermolecular Histidine Bridge. Journal of Biological Chemistry, 2006, 281, 15145-15154.	3.4	170
10	Methylation of the Imidazole Side Chains of the Alzheimer Disease Amyloid-Î² Peptide Results in Abolition of Superoxide Dismutase-like Structures and Inhibition of Neurotoxicity. Journal of Biological Chemistry, 2005, 280, 13355-13363.	3.4	110
11	Enhanced Toxicity and Cellular Binding of a Modified Amyloid Î² Peptide with a Methionine to Valine Substitution. Journal of Biological Chemistry, 2004, 279, 42528-42534.	3.4	99
12	Structural Studies of the Alzheimerâ€™s Amyloid Precursor Protein Copper-binding Domain Reveal How it Binds Copper Ions. Journal of Molecular Biology, 2007, 367, 148-161.	4.2	93
13	Ammonium hydroxide treatment of AÎ² produces an aggregate free solution suitable for biophysical and cell culture characterization. PeerJ, 2013, 1, e73.	2.0	93
14	The structure of dopamine induced Î±-synuclein oligomers. European Biophysics Journal, 2010, 39, 1407-1419.	2.2	87
15	Stabilization of Nontoxic AÂ-Oligomers: Insights into the Mechanism of Action of Hydroxyquinolines in Alzheimer's Disease. Journal of Neuroscience, 2015, 35, 2871-2884.	3.6	67
16	Twenty years of metallo-neurobiology: where to now?. European Biophysics Journal, 2008, 37, 241-245.	2.2	55
17	Stereospecific interactions are necessary for Alzheimer disease amyloid-Î² toxicity. Neurobiology of Aging, 2011, 32, 235-248.	3.1	49
18	Selective, High-Affinity Binding of Ferric Ions by Glycine-Extended Gastrin17. Biochemistry, 2001, 40, 10741-10746.	2.5	37

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19	Histidine 14 Modulates Membrane Binding and Neurotoxicity of the Alzheimer's Disease Amyloid-Î² Peptide. Journal of Alzheimer's Disease, 2010, 19, 1387-1400.	2.6	32
20	The amino-terminal peptide of HIV-1 glycoprotein 41 fuses human erythrocytes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1995, 1271, 304-314.	3.8	28
21	The Amino-Terminal Peptide of HIV-1 gp41 Interacts with Human Serum Albumin. AIDS Research and Human Retroviruses, 1993, 9, 1145-1156.	1.1	26
22	Spin probe clustering in human erythrocyte ghosts. Journal of Membrane Biology, 1985, 84, 81-95.	2.1	25
23	Fusogenic Activity of Amino-Terminal Region of HIV Type 1 Nef Protein. AIDS Research and Human Retroviruses, 1994, 10, 1231-1240.	1.1	25
24	Small angle X-ray scattering analysis of Cu2+-induced oligomers of the Alzheimer's amyloid Î² peptide. Metallomics, 2015, 7, 536-543.	2.4	25
25	Alpha-synuclein oligomers and fibrils originate in two distinct conformer pools: a small angle X-ray scattering and ensemble optimisation modelling study. Molecular BioSystems, 2015, 11, 190-196.	2.9	24
26	Thermotropic lipid phase separation in the human immunodeficiency virus. Biochimica Et Biophysica Acta - Biomembranes, 1988, 943, 331-342.	2.6	20
27	Cu²⁺-induced modification of the kinetics of AÎ²(1-42) channels. American Journal of Physiology - Cell Physiology, 2003, 285, C873-C880.	4.6	20
28	Magnetic Resonance Studies of Î²-Amyloid Peptides. Australian Journal of Chemistry, 2003, 56, 349.	0.9	20
29	Antivirals That Target the Amino-Terminal Domain of HIV Type 1 Glycoprotein 41. AIDS Research and Human Retroviruses, 1995, 11, 677-686.	1.1	18
30	Fatty-acid spin probe interactions with erythrocyte ghosts and liposomes prepared from erythrocyte ghosts. Journal of Membrane Biology, 1989, 111, 155-168.	2.1	17
31	Residues within the HFRIGC Sequence of HIV-1 Vpr Involved in Growth Arrest Activities. Biochemical and Biophysical Research Communications, 1999, 264, 287-290.	2.1	17
32	Cytotoxicity Resulting from Addition of HIV-1 Nef N-Terminal Peptides to Yeast and Bacterial Cells. Biochemical and Biophysical Research Communications, 1997, 232, 707-711.	2.1	13
33	Methionine oxidation: Implications for the mechanism of toxicity of the Î²-amyloid peptide from Alzheimer's disease. International Journal of Peptide Research and Therapeutics, 2003, 10, 413-417.	0.1	13
34	Structure and dynamics of microemulsions which mimic the lipid phase of low-density lipoproteins. Lipids and Lipid Metabolism, 1990, 1042, 42-50.	2.6	10
35	Efficacy of Fusion Peptide Homologs in Blocking Cell Lysis and HIV-Induced Fusion. AIDS Research and Human Retroviruses, 1998, 14, 385-392.	1.1	10
36	Guanidine hydrochloride denaturation of dopamine-induced Î±-synuclein oligomers: A small-angle X-ray scattering study. Proteins: Structure, Function and Bioinformatics, 2014, 82, 10-21.	2.6	9

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37	Electron spin resonance spectroscopy in the study of lymphoid cell receptors. Methods in Enzymology, 1987, 150, 418-446.	1.0	8
38	Structural Requirements for the Cytotoxicity of the N-Terminal Region of HIV Type 1 Nef. AIDS Research and Human Retroviruses, 1998, 14, 1543-1551.	1.1	8
39	Applications of electron paramagnetic resonance to studies of neurological disease. European Biophysics Journal, 2008, 37, 281-294.	2.2	7
40	Estimation of spin probe clustering in biological membranes. Biochimica Et Biophysica Acta - Biomembranes, 1987, 898, 202-213.	2.6	6
41	Methionine oxidation: Implications for the mechanism of toxicity of the Î²-amyloid peptide from Alzheimer's disease. International Journal of Peptide Research and Therapeutics, 2003, 10, 413-417.	1.9	6
42	Preparation and characterization of a biologically active spin-labeled sea anemone toxin. The Protein Journal, 1996, 15, 427-434.	1.1	4
43	Membraneâ€targeted strategies for modulating APP and AÎ²â€mediated toxicity. Journal of Cellular and Molecular Medicine, 2009, 13, 249-261.	3.6	4
44	Apolipoprotein C-II Adopts Distinct Structures in Complex with Micellar and Submicellar Forms of the Amyloid-Inhibiting Lipid-Mimetic Dodecylphosphocholine. Biophysical Journal, 2016, 110, 85-94.	0.5	4
45	Free Radicals, Metal Ions, and AÎ² Aggregation and Neurotoxicity. , 2007, , 31-47.		4
46	We see what we are trained to see, or must we? Some personal lessons from a brush with kuru research. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3633-3634.	4.0	1
47	Magnetic Resonance Studies of Î²-Amyloid Peptides.. ChemInform, 2003, 34, no.	0.0	0
48	Metals and membranes in neuroscience. European Biophysics Journal, 2008, 37, 239-239.	2.2	0
49	Dopamine-Induced Î±-Synuclein Oligomers. , 2014, , 291-300.		0
50	Copper Coordination by Î²-Amyloid and the Neuropathology of Alzheimerâ€™s Disease. , 2007, , 125-141.		0