

Cyril C Curtain

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/935674/publications.pdf>

Version: 2024-02-01

50
papers

3,542
citations

257429

24
h-index

233409

45
g-index

50
all docs

50
docs citations

50
times ranked

3594
citing authors

#	ARTICLE	IF	CITATIONS
1	Alzheimer's Disease Amyloid- β^2 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, 20466-20473.	3.4	595
2	Copper-Dependent Inhibition of Human Cytochrome c Oxidase by a Dimeric Conformer of Amyloid- β^1 -42. <i>Journal of Neuroscience</i> , 2005, 25, 672-679.	3.6	315
3	Copper and Zinc Binding Modulates the Aggregation and Neurotoxic Properties of the Prion Peptide PrP106 \sim 126. <i>Biochemistry</i> , 2001, 40, 8073-8084.	2.5	264
4	Tyrosine gated electron transfer is key to the toxic mechanism of Alzheimer's disease β^2 -amyloid. <i>FASEB Journal</i> , 2004, 18, 1427-1429.	0.5	251
5	Structure of the Alzheimer's Disease Amyloid Precursor Protein Copper Binding Domain. <i>Journal of Biological Chemistry</i> , 2003, 278, 17401-17407.	3.4	248
6	Dopamine promotes β^2 -synuclein aggregation into SDS-resistant soluble oligomers via a distinct folding pathway. <i>FASEB Journal</i> , 2005, 19, 1377-1379.	0.5	239
7	Metal Ions, pH, and Cholesterol Regulate the Interactions of Alzheimer's Disease Amyloid- β^2 Peptide with Membrane Lipid. <i>Journal of Biological Chemistry</i> , 2003, 278, 2977-2982.	3.4	190
8	Neurotoxic, Redox-competent Alzheimer's β^2 -Amyloid Is Released from Lipid Membrane by Methionine Oxidation. <i>Journal of Biological Chemistry</i> , 2003, 278, 42959-42965.	3.4	176
9	Copper-mediated Amyloid- β^2 Toxicity Is Associated with an Intermolecular Histidine Bridge. <i>Journal of Biological Chemistry</i> , 2006, 281, 15145-15154.	3.4	170
10	Methylation of the Imidazole Side Chains of the Alzheimer Disease Amyloid- β^2 Peptide Results in Abolition of Superoxide Dismutase-like Structures and Inhibition of Neurotoxicity. <i>Journal of Biological Chemistry</i> , 2005, 280, 13355-13363.	3.4	110
11	Enhanced Toxicity and Cellular Binding of a Modified Amyloid β^2 Peptide with a Methionine to Valine Substitution. <i>Journal of Biological Chemistry</i> , 2004, 279, 42528-42534.	3.4	99
12	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, 148-161.	4.2	93
13	Ammonium hydroxide treatment of β^2 produces an aggregate free solution suitable for biophysical and cell culture characterization. <i>PeerJ</i> , 2013, 1, e73.	2.0	93
14	The structure of dopamine induced β^2 -synuclein oligomers. <i>European Biophysics Journal</i> , 2010, 39, 1407-1419.	2.2	87
15	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, 2871-2884.	3.6	67
16	Twenty years of metallo-neurobiology: where to now?. <i>European Biophysics Journal</i> , 2008, 37, 241-245.	2.2	55
17	Stereospecific interactions are necessary for Alzheimer disease amyloid- β^2 toxicity. <i>Neurobiology of Aging</i> , 2011, 32, 235-248.	3.1	49
18	Selective, High-Affinity Binding of Ferric Ions by Glycine-Extended Gastrin17. <i>Biochemistry</i> , 2001, 40, 10741-10746.	2.5	37

#	ARTICLE	IF	CITATIONS
19	Histidine 14 Modulates Membrane Binding and Neurotoxicity of the Alzheimer's Disease Amyloid- β Peptide. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 1387-1400.	2.6	32
20	The amino-terminal peptide of HIV-1 glycoprotein 41 fuses human erythrocytes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1995, 1271, 304-314.	3.8	28
21	The Amino-Terminal Peptide of HIV-1 gp41 Interacts with Human Serum Albumin. <i>AIDS Research and Human Retroviruses</i> , 1993, 9, 1145-1156.	1.1	26
22	Spin probe clustering in human erythrocyte ghosts. <i>Journal of Membrane Biology</i> , 1985, 84, 81-95.	2.1	25
23	Fusogenic Activity of Amino-Terminal Region of HIV Type 1 Nef Protein. <i>AIDS Research and Human Retroviruses</i> , 1994, 10, 1231-1240.	1.1	25
24	Small angle X-ray scattering analysis of Cu ²⁺ -induced oligomers of the Alzheimer's amyloid β peptide. <i>Metallomics</i> , 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. <i>Molecular BioSystems</i> , 2015, 11, 190-196.	2.9	24
26	Thermotropic lipid phase separation in the human immunodeficiency virus. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 943, 331-342.	2.6	20
27	Cu ²⁺ -induced modification of the kinetics of A β (1-42) channels. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 285, C873-C880.	4.6	20
28	Magnetic Resonance Studies of β -Amyloid Peptides. <i>Australian Journal of Chemistry</i> , 2003, 56, 349.	0.9	20
29	Antivirals That Target the Amino-Terminal Domain of HIV Type 1 Glycoprotein 41. <i>AIDS Research and Human Retroviruses</i> , 1995, 11, 677-686.	1.1	18
30	Fatty-acid spin probe interactions with erythrocyte ghosts and liposomes prepared from erythrocyte ghosts. <i>Journal of Membrane Biology</i> , 1989, 111, 155-168.	2.1	17
31	Residues within the HFRIGC Sequence of HIV-1 Vpr Involved in Growth Arrest Activities. <i>Biochemical and Biophysical Research Communications</i> , 1999, 264, 287-290.	2.1	17
32	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, 707-711.	2.1	13
33	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.	0.1	13
34	Structure and dynamics of microemulsions which mimic the lipid phase of low-density lipoproteins. <i>Lipids and Lipid Metabolism</i> , 1990, 1042, 42-50.	2.6	10
35	Efficacy of Fusion Peptide Homologs in Blocking Cell Lysis and HIV-Induced Fusion. <i>AIDS Research and Human Retroviruses</i> , 1998, 14, 385-392.	1.1	10
36	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.	2.6	9

#	ARTICLE	IF	CITATIONS
37	Electron spin resonance spectroscopy in the study of lymphoid cell receptors. <i>Methods in Enzymology</i> , 1987, 150, 418-446.	1.0	8
38	Structural Requirements for the Cytotoxicity of the N-Terminal Region of HIV Type 1 Nef. <i>AIDS Research and Human Retroviruses</i> , 1998, 14, 1543-1551.	1.1	8
39	Applications of electron paramagnetic resonance to studies of neurological disease. <i>European Biophysics Journal</i> , 2008, 37, 281-294.	2.2	7
40	Estimation of spin probe clustering in biological membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 898, 202-213.	2.6	6
41	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.	1.9	6
42	Preparation and characterization of a biologically active spin-labeled sea anemone toxin. <i>The Protein Journal</i> , 1996, 15, 427-434.	1.1	4
43	Membrane-targeted strategies for modulating APP and $A\beta$ -mediated toxicity. <i>Journal of Cellular and Molecular Medicine</i> , 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. <i>Biophysical Journal</i> , 2016, 110, 85-94.	0.5	4
45	Free Radicals, Metal Ions, and $A\beta$ 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. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 3633-3634.	4.0	1
47	Magnetic Resonance Studies of β -Amyloid Peptides.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
48	Metals and membranes in neuroscience. <i>European Biophysics Journal</i> , 2008, 37, 239-239.	2.2	0
49	Dopamine-Induced β -Synuclein Oligomers. , 2014, , 291-300.		0
50	Copper Coordination by β -Amyloid and the Neuropathology of Alzheimer's Disease. , 2007, , 125-141.		0