

Kirsten L Viola

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

7,639
citations

361413

20
h-index

552781

26
g-index

33
all docs

33
docs citations

33
times ranked

7904
citing authors

#	ARTICLE	IF	CITATIONS
1	A β Oligomer-Induced Aberrations in Synapse Composition, Shape, and Density Provide a Molecular Basis for Loss of Connectivity in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2007, 27, 796-807.	3.6	1,090
2	Alzheimer's disease-affected brain: Presence of oligomeric A β ligands (ADDLs) suggests a molecular basis for reversible memory loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10417-10422.	7.1	995
3	Synaptic Targeting by Alzheimer's-Related Amyloid A β Oligomers. <i>Journal of Neuroscience</i> , 2004, 24, 10191-10200.	3.6	905
4	A β Oligomers Induce Neuronal Oxidative Stress through an N-Methyl-D-aspartate Receptor-dependent Mechanism That Is Blocked by the Alzheimer Drug Memantine. <i>Journal of Biological Chemistry</i> , 2007, 282, 11590-11601.	3.4	769
5	Protection of synapses against Alzheimer's-linked toxins: Insulin signaling prevents the pathogenic binding of A β oligomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1971-1976.	7.1	592
6	The Amyloid-A β Oligomer Hypothesis: Beginning of the Third Decade. <i>Journal of Alzheimer's Disease</i> , 2018, 64, S567-S610.	2.6	572
7	Soluble oligomers of A β amyloid (1-42) inhibit long-term potentiation but not long-term depression in rat dentate gyrus. <i>Brain Research</i> , 2002, 924, 133-140.	2.2	515
8	Self-Assembly of A β ₁₋₄₂ into Globular Neurotoxins. <i>Biochemistry</i> , 2003, 42, 12749-12760.	2.5	511
9	Amyloid A β oligomers in Alzheimer's disease pathogenesis, treatment, and diagnosis. <i>Acta Neuropathologica</i> , 2015, 129, 183-206.	7.7	490
10	Vaccination with soluble A β oligomers generates toxicity-neutralizing antibodies. <i>Journal of Neurochemistry</i> , 2001, 79, 595-605.	3.9	309
11	Monoclonal antibodies that target pathological assemblies of A β . <i>Journal of Neurochemistry</i> , 2007, 100, 23-35.	3.9	308
12	Towards non-invasive diagnostic imaging of early-stage Alzheimer's disease. <i>Nature Nanotechnology</i> , 2015, 10, 91-98.	31.5	155
13	Neuroprotective astrocyte-derived insulin/insulin-like growth factor 1 stimulates endocytic processing and extracellular release of neuron-bound A β oligomers. <i>Molecular Biology of the Cell</i> , 2017, 28, 2623-2636.	2.1	88
14	Brain Transit and Ameliorative Effects of Intranasally Delivered Anti-Amyloid-A β Oligomer Antibody in 5XFAD Mice. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 777-788.	2.6	56
15	Amyloid Beta Oligomers Target to Extracellular and Intracellular Neuronal Synaptic Proteins in Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2019, 10, 1140.	2.4	46
16	Synapse-Binding Subpopulations of A β Oligomers Sensitive to Peptide Assembly Blockers and scFv Antibodies. <i>ACS Chemical Neuroscience</i> , 2012, 3, 972-981.	3.5	45
17	Altered succinylation of mitochondrial proteins, APP and tau in Alzheimer's disease. <i>Nature Communications</i> , 2022, 13, 159.	12.8	42
18	Targeting Generation of Antibodies Specific to Conformational Epitopes of Amyloid β -Derived Neurotoxins. <i>CNS and Neurological Disorders - Drug Targets</i> , 2009, 8, 65-81.	1.4	29

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19	A human scFv antibody that targets and neutralizes high molecular weight pathogenic amyloid β oligomers. <i>Journal of Neurochemistry</i> , 2017, 142, 934-947.	3.9	27
20	Identification of intraneuronal amyloid beta oligomers in locus coeruleus neurons of Alzheimer's patients and their potential impact on inhibitory neurotransmitter receptors and neuronal excitability. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 488-505.	3.2	25
21	Elucidating Molecular Mass and Shape of a Neurotoxic A β Oligomer. <i>ACS Chemical Neuroscience</i> , 2014, 5, 1238-1245.	3.5	24
22	Soluble state high resolution atomic force microscopy study of Alzheimer's β -amyloid oligomers. <i>Applied Physics Letters</i> , 2009, 95, 183701.	3.3	17
23	The Therapeutic and Diagnostic Potential of Amyloid β Oligomers Selective Antibodies to Treat Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 768646.	2.8	10
24	Insights into the mechanism of Alzheimer's β -amyloid aggregation as a function of concentration by using atomic force microscopy. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	7
25	An Essential Role for Alzheimer's-Linked Amyloid Beta Oligomers in Neurodevelopment: Transient Expression of Multiple Proteoforms during Retina Histogenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2208.	4.1	5
26	A β oligomer induced cognitive impairment and evaluation of ACU193 β -based MRI in rabbit. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020, 6, e12087.	3.7	4
27	P4-177: An ultrasensitive immunoassay detects soluble A β oligomers in tg mice prior to memory loss. , 2015, 11, P847-P847.		0