

Christine A F Von Arnim

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78
papers

2,776
citations

30
h-index

51
g-index

85
ext. papers

3,435
ext. citations

5.5
avg, IF

4.7
L-index

#	Paper	IF	Citations
78	The low density lipoprotein receptor-related protein (LRP) is a novel beta-secretase (BACE1) substrate. <i>Journal of Biological Chemistry</i> , 2005 , 280, 17777-85	5.4	206
77	Efficacy of Souvenaid in mild Alzheimer's disease: results from a randomized, controlled trial. <i>Journal of Alzheimer's Disease</i> , 2012 , 31, 225-36	4.3	202
76	Neurofilaments in the diagnosis of motoneuron diseases: a prospective study on 455 patients. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 12-20	5.5	156
75	Interaction of the cytosolic domains of sorLA/LR11 with the amyloid precursor protein (APP) and beta-secretase beta-site APP-cleaving enzyme. <i>Journal of Neuroscience</i> , 2006 , 26, 418-28	6.6	145
74	The role of TREM2 R47H as a risk factor for Alzheimer's disease, frontotemporal lobar degeneration, amyotrophic lateral sclerosis, and Parkinson's disease. <i>Alzheimer's and Dementia</i> , 2015 , 11, 1407-1416	1.2	126
73	Neurofilament light chain in serum for the diagnosis of amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 157-164	5.5	113
72	Biochemical stages of amyloid- β peptide aggregation and accumulation in the human brain and their association with symptomatic and pathologically preclinical Alzheimer's disease. <i>Brain</i> , 2014 , 137, 887-903	11.2	109
71	Demonstration of BACE (beta-secretase) phosphorylation and its interaction with GGA1 in cells by fluorescence-lifetime imaging microscopy. <i>Journal of Cell Science</i> , 2004 , 117, 5437-45	5.3	97
70	Pittsburgh compound B imaging and cerebrospinal fluid amyloid- β in a multicentre European memory clinic study. <i>Brain</i> , 2016 , 139, 2540-53	11.2	93
69	Glial Fibrillary Acidic Protein in Serum is Increased in Alzheimer's Disease and Correlates with Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2019 , 67, 481-488	4.3	79
68	The role of clusterin, complement receptor 1, and phosphatidylinositol binding clathrin assembly protein in Alzheimer disease risk and cerebrospinal fluid biomarker levels. <i>Archives of General Psychiatry</i> , 2011 , 68, 207-13		69
67	Serum microRNAs in patients with genetic amyotrophic lateral sclerosis and pre-manifest mutation carriers. <i>Brain</i> , 2014 , 137, 2938-50	11.2	67
66	Alpha-, Beta-, and Gamma-synuclein Quantification in Cerebrospinal Fluid by Multiple Reaction Monitoring Reveals Increased Concentrations in Alzheimer's and Creutzfeldt-Jakob Disease but No Alteration in Synucleinopathies. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 3126-3138	7.6	63
65	NADH Autofluorescence-A Marker on its Way to Boost Bioenergetic Research. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019 , 95, 34-46	4.6	60
64	Summary of cerebrospinal fluid routine parameters in neurodegenerative diseases. <i>Journal of Neurology</i> , 2011 , 258, 1034-41	5.5	56
63	GGA1 acts as a spatial switch altering amyloid precursor protein trafficking and processing. <i>Journal of Neuroscience</i> , 2006 , 26, 9913-22	6.6	55
62	Chitotriosidase (CHIT1) is increased in microglia and macrophages in spinal cord of amyotrophic lateral sclerosis and cerebrospinal fluid levels correlate with disease severity and progression. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018 , 89, 239-247	5.5	54

61	Novel Blood-Based Biomarkers of Cognition, Stress, and Physical or Cognitive Training in Older Adults at Risk of Dementia: Preliminary Evidence for a Role of BDNF, Irisin, and the Kynurenine Pathway. <i>Journal of Alzheimer's Disease</i> , 2017 , 59, 1097-1111	4.3	51
60	Low density lipoprotein receptor-related protein (LRP) interacts with presenilin 1 and is a competitive substrate of the amyloid precursor protein (APP) for gamma-secretase. <i>Journal of Biological Chemistry</i> , 2005 , 280, 27303-9	5.4	50
59	Impact of cholesterol level upon APP and BACE proximity and APP cleavage. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 370, 207-12	3.4	49
58	Accelerated acceleration of Alzheimer-related pathology spreading and its association with prion protein. <i>Acta Neuropathologica</i> , 2019 , 138, 913-941	14.3	48
57	Alpha-synuclein prevents the formation of spherical mitochondria and apoptosis under oxidative stress. <i>Scientific Reports</i> , 2017 , 7, 42942	4.9	47
56	Synapse loss in the prefrontal cortex is associated with cognitive decline in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2018 , 135, 213-226	14.3	45
55	Capillary cerebral amyloid angiopathy in Alzheimer's disease: association with allocortical/hippocampal microinfarcts and cognitive decline. <i>Acta Neuropathologica</i> , 2018 , 135, 681-694	14.3	42
54	More than the sum of its parts? Nutrition in Alzheimer's disease. <i>Nutrition</i> , 2010 , 26, 694-700	4.8	42
53	Tolerability and safety of Souvenaid in patients with mild Alzheimer's disease: results of multi-center, 24-week, open-label extension study. <i>Journal of Alzheimer's Disease</i> , 2015 , 44, 471-80	4.3	40
52	Necrosome complex detected in granulovacuolar degeneration is associated with neuronal loss in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2020 , 139, 463-484	14.3	38
51	Elecsys Total-Tau and Phospho-Tau (181P) CSF assays: Analytical performance of the novel, fully automated immunoassays for quantification of tau proteins in human cerebrospinal fluid. <i>Clinical Biochemistry</i> , 2019 , 72, 30-38	3.5	37
50	Decreased IL-8 levels in CSF and serum of AD patients and negative correlation of MMSE and IL-10. <i>BMC Neurology</i> , 2016 , 16, 185	3.1	34
49	Dietary antioxidants and dementia in a population-based case-control study among older people in South Germany. <i>Journal of Alzheimer's Disease</i> , 2012 , 31, 717-24	4.3	33
48	Intact protein analysis of ubiquitin in cerebrospinal fluid by multiple reaction monitoring reveals differences in Alzheimer's disease and frontotemporal lobar degeneration. <i>Journal of Proteome Research</i> , 2014 , 13, 4518-25	5.6	28
47	Distinct molecular patterns of TDP-43 pathology in Alzheimer's disease: relationship with clinical phenotypes. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 61	7.3	26
46	Cognitive change is more positively associated with an active lifestyle than with training interventions in older adults at risk of dementia: a controlled interventional clinical trial. <i>BMC Psychiatry</i> , 2016 , 16, 315	4.2	26
45	Modulation of amyloid by a single dose of GSK933776 in patients with mild Alzheimer's disease: a phase I study. <i>Alzheimer's Research and Therapy</i> , 2014 , 6, 19	9	25
44	The role of low-density receptor-related protein 1 (LRP1) as a competitive substrate of the amyloid precursor protein (APP) for BACE1. <i>Experimental Neurology</i> , 2010 , 225, 85-93	5.7	25

43	Association of Methionine to Homocysteine Status With Brain Magnetic Resonance Imaging Measures and Risk of Dementia. <i>JAMA Psychiatry</i> , 2019 , 76, 1198-1205	14.5	21
42	Targeted Mass Spectrometry Suggests Beta-Synuclein as Synaptic Blood Marker in Alzheimer's Disease. <i>Journal of Proteome Research</i> , 2020 , 19, 1310-1318	5.6	20
41	Reduced cGMP levels in CSF of AD patients correlate with severity of dementia and current depression. <i>Alzheimer's Research and Therapy</i> , 2017 , 9, 17	9	19
40	Mitochondrial matrix pH as a decisive factor in neurometabolic imaging. <i>Neurophotonics</i> , 2017 , 4, 045004	3.9	19
39	Micronutrients supplementation and nutritional status in cognitively impaired elderly persons: a two-month open label pilot study. <i>Nutrition Journal</i> , 2013 , 12, 148	4.3	17
38	The Golgi-Localized Ear-Containing ARF-Binding (GGA) Proteins Alter Amyloid-Precursor Protein (APP) Processing through Interaction of Their GAE Domain with the Beta-Site APP Cleaving Enzyme 1 (BACE1). <i>PLoS ONE</i> , 2015 , 10, e0129047	3.7	17
37	Metabolic Characterization of Intact Cells Reveals Intracellular Amyloid Beta but Not Its Precursor Protein to Reduce Mitochondrial Respiration. <i>PLoS ONE</i> , 2016 , 11, e0168157	3.7	17
36	Serum Vitamin D Concentrations and Cognitive Function in a Population-Based Study among Older Adults in South Germany. <i>Journal of Alzheimer's Disease</i> , 2015 , 45, 1119-26	4.3	16
35	Different aspects of Alzheimer's disease-related amyloid peptide pathology and their relationship to amyloid positron emission tomography imaging and dementia. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 178	7.3	16
34	Efficient processing of Alzheimer's disease amyloid-Beta peptides by neuroectodermally converted mesenchymal stem cells. <i>Stem Cells and Development</i> , 2010 , 19, 629-33	4.4	14
33	Auditory Memory Decay as Reflected by a New Mismatch Negativity Score Is Associated with Episodic Memory in Older Adults at Risk of Dementia. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 5	5.3	12
32	Engulfment adapter PTB domain containing 1 interacts with and affects processing of the amyloid-precursor protein. <i>Neurobiology of Aging</i> , 2012 , 33, 732-43	5.6	12
31	CSF and blood Kallikrein-8: a promising early biomarker for Alzheimer's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 40-48	5.5	12
30	Targeting the association between telomere length and immuno-cellular bioenergetics in female patients with Major Depressive Disorder. <i>Scientific Reports</i> , 2018 , 8, 9419	4.9	11
29	Adipose Tissue Distribution in Patients with Alzheimer's Disease: A Whole Body MRI Case-Control Study. <i>Journal of Alzheimer's Disease</i> , 2015 , 48, 825-32	4.3	11
28	Visualizing interaction of proteins relevant to Alzheimer's disease in intact cells. <i>Methods</i> , 2008 , 44, 299-303	4.03	11
27	Fluorescence lifetime imaging microscopy (FLIM) detects stimulus-dependent phosphorylation of the low density lipoprotein receptor-related protein (LRP) in primary neurons. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 349, 24-30	3.4	11
26	Jigsaw Puzzling Taps Multiple Cognitive Abilities and Is a Potential Protective Factor for Cognitive Aging. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 299	5.3	9

25	Maturation of neuronal AD-tau pathology involves site-specific phosphorylation of cytoplasmic and synaptic tau preceding conformational change and fibril formation. <i>Acta Neuropathologica</i> , 2021 , 141, 173-192	14.3	8
24	sAPP β and sAPP β increase structural complexity and E/I input ratio in primary hippocampal neurons and alter Ca homeostasis and CREB1-signaling. <i>Experimental Neurology</i> , 2018 , 304, 1-13	5.7	7
23	Diagnosis and treatment of cognitive impairment. <i>Zeitschrift Fur Gerontologie Und Geriatrie</i> , 2019 , 52, 309-315	2.7	6
22	Jigsaw Puzzles As Cognitive Enrichment (PACE) - the effect of solving jigsaw puzzles on global visuospatial cognition in adults 50 years of age and older: study protocol for a randomized controlled trial. <i>Trials</i> , 2017 , 18, 415	2.8	6
21	The role of PTB domain containing adaptor proteins on PICALM-mediated APP endocytosis and localization. <i>Biochemical Journal</i> , 2019 , 476, 2093-2109	3.8	6
20	The Golgi-localized, gamma ear-containing, ARF-binding (GGA) protein family alters alpha synuclein (β syn) oligomerization and secretion. <i>Aging</i> , 2017 , 9, 1677-1697	5.6	6
19	Bupropion for the Treatment of Apathy in Alzheimer Disease: A Randomized Clinical Trial. <i>JAMA Network Open</i> , 2020 , 3, e206027	10.4	5
18	Development of a Binary fMRI-BCI for Alzheimer Patients: A Semantic Conditioning Paradigm Using Affective Unconditioned Stimuli 2013 ,		5
17	Engulfment adaptor phosphotyrosine-binding-domain-containing 1 (GULP1) is a nucleocytoplasmic shuttling protein and is transactivationally active together with low-density lipoprotein receptor-related protein 1 (LRP1). <i>Biochemical Journal</i> , 2013 , 450, 333-43	3.8	5
16	Global EEG coherence as a marker for cognition in older adults at risk for dementia. <i>Psychophysiology</i> , 2020 , 57, e13515	4.1	5
15	Genetic variants in PSEN2 and correlation to CSF β amyloid42 levels in AD. <i>Neurobiology of Aging</i> , 2012 , 33, 201.e9-18	5.6	4
14	Sequence of proteome profiles in preclinical and symptomatic Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021 , 17, 946-958	1.2	4
13	Serum GFAP differentiates Alzheimer's disease from frontotemporal dementia and predicts MCI-to-dementia conversion.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022 ,	5.5	4
12	Cognitive Reserve in Alzheimer's Dementia: Diagnostic Accuracy of a Testing-the-Limits Paradigm. <i>Journal of Alzheimer's Disease</i> , 2016 , 52, 519-28	4.3	2
11	NADH Fluorescence Lifetime Imaging Microscopy Reveals Selective Mitochondrial Dysfunction in Neurons Overexpressing Alzheimer's Disease-Related Proteins. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 671274	5.6	1
10	Comparison of MRI-based and PET-based image pre-processing for quantification of C-PBB3 uptake in human brain. <i>Zeitschrift Fur Medizinische Physik</i> , 2021 , 31, 37-47	7.6	1
9	Comprehensive microRNA expression profiling in cerebrospinal fluid distinguishes between neurological disease classes. <i>Neuropathology and Applied Neurobiology</i> , 2019 , 45, 318-323	5.2	0
8	Quantitative analysis of regional distribution of tau pathology with 11C-PBB3-PET in a clinical setting.. <i>PLoS ONE</i> , 2022 , 17, e0266906	3.7	0

- 7 Quantitative mass spectrometry suggests beta-synuclein as promising blood marker for synaptic degeneration in Alzheimer's disease. *Alzheimer's and Dementia*, **2020**, 16, e040246 1.2
- 6 Alzheimer's disease-related necroptotic pathology: An exclusive presence of the necrosome in granulovacuolar degeneration inclusions in human and transgenic mouse brains. *Alzheimer's and Dementia*, **2020**, 16, e042460 1.2
- 5 The potential role of neuroinflammation and synaptic plasticity for neuropsychiatric symptoms. *Alzheimer's and Dementia*, **2020**, 16, e043310 1.2
- 4 Hierarchical involvement of molecular players in human neocortex in the course of preclinical and symptomatic Alzheimer's disease. *Alzheimer's and Dementia*, **2020**, 16, e047351 1.2
- 3 [P2B43]: VITAMIN B12, FOLATE, AND SULFUR AMINO-ACIDS AS RISK FACTORS FOR DEMENTIA AND COGNITIVE DECLINE: A LONGITUDINAL POPULATION-BASED STUDY **2017**, 13, P851-P851
- 2 Two distinct molecular patterns of TDP-43 pathology in cases with Alzheimer's disease pathology. *Alzheimer's and Dementia*, **2020**, 16, e043074 1.2
- 1 No Evidence That Cognitive and Physical Activities Are Related to Changes in EEG Markers of Cognition in Older Adults at Risk of Dementia. *Frontiers in Aging Neuroscience*, **2021**, 13, 610839 5.3