Markus Otto

List of Publications by Year in descending order

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		6613	15265
395	21,867	79	126
papers	citations	h-index	g-index

427	427	427	20024
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neurofilaments as biomarkers in neurological disorders. Nature Reviews Neurology, 2018, 14, 577-589.	10.1	1,177
2	Haploinsufficiency of TBK1 causes familial ALS and fronto-temporal dementia. Nature Neuroscience, 2015, 18, 631-636.	14.8	652
3	Detection of 14â€3â€3 protein in the cerebrospinal fluid supports the diagnosis of Creutzfeldtâ€Jakob disease. Annals of Neurology, 1998, 43, 32-40.	5.3	456
4	The Alzheimer's Association external quality control program for cerebrospinal fluid biomarkers. Alzheimer's and Dementia, 2011, 7, 386.	0.8	354
5	CSF biomarker variability in the Alzheimer's Association quality control program. Alzheimer's and Dementia, 2013, 9, 251-261.	0.8	344
6	Elevated levels of tau-protein in cerebrospinal fluid of patients with Creutzfeldtâ€“Jakob disease. Neuroscience Letters, 1997, 225, 210-212.	2.1	332
7	Advantages and disadvantages of the use of the CSF Amyloid Î² (AÎ²) 42/40 ratio in the diagnosis of Alzheimerâ€™s Disease. Alzheimer's Research and Therapy, 2019, 11, 34.	6.2	325
8	Guillainâ€“BarrÃ© syndrome spectrum associated with COVID-19: an up-to-date systematic review of 73 cases. Journal of Neurology, 2021, 268, 1133-1170.	3.6	286
9	Value of CSF Î²-amyloid1â€“42 and tau as predictors of Alzheimer's disease in patients with mild cognitive impairment. Molecular Psychiatry, 2004, 9, 705-710.	7.9	280
10	Neurochemical diagnosis of Alzheimerâ€™s dementia by CSF AÎ²42, AÎ²42/AÎ²40 ratio and total tau. Neurobiology of Aging, 2004, 25, 273-281.	3.1	267
11	Tau protein and 14-3-3 protein in the differential diagnosis of Creutzfeldtâ€“Jakob disease. Neurology, 2002, 58, 192-197.	1.1	263
12	Autoimmune psychosis: an international consensus on an approach to the diagnosis and management of psychosis of suspected autoimmune origin. Lancet Psychiatry,the, 2020, 7, 93-108.	7.4	252
13	Highly conserved and diseaseâ€specific patterns of carboxyterminally truncated AÎ² peptides 1â€“37/38/39 in addition to 1â€“40/42 in Alzheimer's disease and in patients with chronic neuroinflammation. Journal of Neurochemistry, 2002, 81, 481-496.	3.9	240
14	Largeâ€scale, multicenter study of cerebrospinal fluid tau protein phosphorylated at serine 199 for the antemortem diagnosis of Alzheimer's disease. Annals of Neurology, 2001, 50, 150-156.	5.3	229
15	Cerebrospinal fluid and blood biomarkers for neurodegenerative dementias: An update of the Consensus of the Task Force on Biological Markers in Psychiatry of the World Federation of Societies of Biological Psychiatry. World Journal of Biological Psychiatry, 2018, 19, 244-328.	2.6	215
16	Phospho-tau/total tau ratio in cerebrospinal fluid discriminates Creutzfeldtâ€“Jakob disease from other dementias. Molecular Psychiatry, 2003, 8, 343-347.	7.9	209
17	Neurofilaments in the diagnosis of motoneuron diseases: a prospective study on 455 patients. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, jnnp-2015-311387.	1.9	207
18	Neurofilament light chain: a biomarker for genetic frontotemporal dementia. Annals of Clinical and Translational Neurology, 2016, 3, 623-636.	3.7	207

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19	Blood GFAP as an emerging biomarker in brain and spinal cord disorders. Nature Reviews Neurology, 2022, 18, 158-172.	10.1	205
20	CSF amyloid-Î²-peptides in Alzheimer's disease, dementia with Lewy bodies and Parkinson's disease dementia. Brain, 2006, 129, 1177-1187.	7.6	193
21	Neurofilament levels as biomarkers in asymptomatic and symptomatic familial amyotrophic lateral sclerosis. Annals of Neurology, 2016, 79, 152-158.	5.3	188
22	Efficacy of flupirtine on cognitive function in patients with CJD. Neurology, 2004, 62, 714-718.	1.1	186
23	TDP-43 in Cerebrospinal Fluid of Patients With Frontotemporal Lobar Degeneration and Amyotrophic Lateral Sclerosis. Archives of Neurology, 2008, 65, 1481.	4.5	186
24	Decreased Î²-amyloid ₁₋₄₂ in cerebrospinal fluid of patients with Creutzfeldt-Jakob disease. Neurology, 2000, 54, 1099-1102.	1.1	182
25	Intravenous immunoglobulin for treatment of mild-to-moderate Alzheimer's disease: a phase 2, randomised, double-blind, placebo-controlled, dose-finding trial. Lancet Neurology, The, 2013, 12, 233-243.	10.2	177
26	Age at symptom onset and death and disease duration in genetic frontotemporal dementia: an international retrospective cohort study. Lancet Neurology, The, 2020, 19, 145-156.	10.2	175
27	Neurofilament light chain in serum for the diagnosis of amyotrophic lateral sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 157-164.	1.9	174
28	Glial Fibrillary Acidic Protein in Serum is Increased in Alzheimerâ€™s Disease and Correlates with Cognitive Impairment. Journal of Alzheimer's Disease, 2019, 67, 481-488.	2.6	171
29	Tauopathies with parkinsonism: clinical spectrum, neuropathologic basis, biological markers, and treatment options. European Journal of Neurology, 2009, 16, 297-309.	3.3	170
30	Hot-spot KIF5A mutations cause familial ALS. Brain, 2018, 141, 688-697.	7.6	167
31	Serum GFAP as a biomarker for disease severity in multiple sclerosis. Scientific Reports, 2018, 8, 14798.	3.3	164
32	Distribution of dipeptide repeat proteins in cellular models and C9orf72 mutation cases suggests link to transcriptional silencing. Acta Neuropathologica, 2015, 130, 537-555.	7.7	157
33	Virtually in this together â€“ how web-conferencing systems enabled a new virtual togetherness during the COVID-19 crisis. European Journal of Information Systems, 2020, 29, 563-584.	9.2	157
34	The role of TREM2 R47H as a risk factor for Alzheimer's disease, frontotemporal lobar degeneration, amyotrophic lateral sclerosis, and Parkinson's disease. Alzheimer's and Dementia, 2015, 11, 1407-1416.	0.8	152
35	Multicenter evaluation of neurofilaments in early symptom onset amyotrophic lateral sclerosis. Neurology, 2018, 90, e22-e30.	1.1	148
36	Cerebral Embolic Protection During Transcatheter Aortic Valve Replacement Significantly Reduces Death and Stroke Compared With Unprotected Procedures. JACC: Cardiovascular Interventions, 2017, 10, 2297-2303.	2.9	136

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37	Limited role of free TDP-43 as a diagnostic tool in neurodegenerative diseases. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2014, 15, 351-356.	1.7	131
38	Serum neurofilament light chain in genetic frontotemporal dementia: a longitudinal, multicentre cohort study. Lancet Neurology, The, 2019, 18, 1103-1111.	10.2	128
39	A Randomized, Double Blind, Placebo-Controlled Trial of Pioglitazone in Combination with Riluzole in Amyotrophic Lateral Sclerosis. PLoS ONE, 2012, 7, e37885.	2.5	125
40	The cryo-electron microscopy structure of huntingtin. Nature, 2018, 555, 117-120.	27.8	125
41	Combined CSF tau, p-tau181 and amyloid-Î² 38/40/42 for diagnosing Alzheimerâ€™s disease. Journal of Neural Transmission, 2009, 116, 203-212.	2.8	124
42	14-3-3 adaptor proteins recruit AID to 5â€²-AGCT-3â€²â€“rich switch regions for class switch recombination. Nature Structural and Molecular Biology, 2010, 17, 1124-1135.	8.2	122
43	The Chemokine CXCL13 Is a Prognostic Marker in Clinically Isolated Syndrome (CIS). PLoS ONE, 2010, 5, e11986.	2.5	122
44	S-100 protein concentration in the cerebrospinal fluid of patients with Creutzfeldt-Jakob disease. Journal of Neurology, 1997, 244, 566-570.	3.6	118
45	Beta-Amlyoid 1â€“42 and Tau-Protein in Cerebrospinal Fluid of Patients with Parkinsonâ€™s Disease Dementia. Dementia and Geriatric Cognitive Disorders, 2006, 22, 200-208.	1.5	114
46	Boxing and Running Lead to a Rise in Serum Levels of S-100B Protein. International Journal of Sports Medicine, 2000, 21, 551-555.	1.7	113
47	Recommendations for CSF AD biomarkers in the diagnostic evaluation of dementia. Alzheimer's and Dementia, 2017, 13, 274-284.	0.8	113
48	Mutual exacerbation of peroxisome proliferatorâ€activated receptor Î³ coactivator 1Î± deregulation and Î±â€synuclein oligomerization. Annals of Neurology, 2015, 77, 15-32.	5.3	112
49	Recommendations for cerebrospinal fluid Alzheimer's disease biomarkers in the diagnostic evaluation of mild cognitive impairment. Alzheimer's and Dementia, 2017, 13, 285-295.	0.8	108
50	Pittsburgh compound B imaging and cerebrospinal fluid amyloid-Î² in a multicentre European memory clinic study. Brain, 2016, 139, 2540-2553.	7.6	107
51	Glycoprotein NMB: a novel Alzheimerâ€™s disease associated marker expressed in a subset of activated microglia. Acta Neuropathologica Communications, 2018, 6, 108.	5.2	107
52	The amyloidâ€Î² (AÎ²) peptide pattern in cerebrospinal fluid in Alzheimer's disease: evidence of a novel carboxyterminally elongated AÎ² peptide. Rapid Communications in Mass Spectrometry, 2003, 17, 1291-1296.	1.5	106
53	IgG Antibodies against Measles, Rubella, and Varicella Zoster Virus Predict Conversion to Multiple Sclerosis in Clinically Isolated Syndrome. PLoS ONE, 2009, 4, e7638.	2.5	106
54	Chitinase enzyme activity in CSF is a powerful biomarker of Alzheimer disease. Neurology, 2012, 78, 569-577.	1.1	106

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55	Plasma glial fibrillary acidic protein is raised in progranulin-associated frontotemporal dementia. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 263-270.	1.9	106
56	Consensus Paper of the WFSBP Task Force on Biological Markers of Dementia: The role of CSF and blood analysis in the early and differential diagnosis of dementia. World Journal of Biological Psychiatry, 2005, 6, 69-84.	2.6	105
57	NEK1mutations in familial amyotrophic lateral sclerosis. Brain, 2016, 139, e28-e28.	7.6	105
58	Diagnosis of Creutzfeldt-Jakob disease by two-dimensional gel electrophoresis of cerebrospinal fluid. Lancet, The, 1996, 348, 846-849.	13.7	103
59	International quality control survey of neurochemical dementia diagnostics. Neuroscience Letters, 2006, 409, 1-4.	2.1	102
60	Serum NFL discriminates Parkinson disease from atypical parkinsonisms. Neurology, 2019, 92, e1479-e1486.	1.1	100
61	Tau Protein Phosphorylated at Threonine 181 in CSF as a Neurochemical Biomarker in Alzheimer's Disease: Original Data and Review of the Literature. Journal of Molecular Neuroscience, 2004, 23, 115-122.	2.3	97
62	Different neuroinflammatory profile in amyotrophic lateral sclerosis and frontotemporal dementia is linked to the clinical phase. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 4-10.	1.9	96
63	Diagnosis of Creutzfeldt-Jakob disease by measurement of S100 protein in serum: prospective case-control study. BMJ: British Medical Journal, 1998, 316, 577-582.	2.3	94
64	Multiplexed quantification of dementia biomarkers in the CSF of patients with early dementias and MCI: A multicenter study. Neurobiology of Aging, 2008, 29, 812-818.	3.1	94
65	Isoform Pattern of 14-3-3 Proteins in the Cerebrospinal Fluid of Patients with Creutzfeldt-Jakob Disease. Journal of Neurochemistry, 2002, 73, 2485-2490.	3.9	92
66	Alpha-, Beta-, and Gamma-synuclein Quantification in Cerebrospinal Fluid by Multiple Reaction Monitoring Reveals Increased Concentrations in Alzheimerâ€²s and Creutzfeldt-Jakob Disease but No Alteration in Synucleinopathies. Molecular and Cellular Proteomics, 2016, 15, 3126-3138.	3.8	92
67	Serum microRNAs in patients with genetic amyotrophic lateral sclerosis and pre-manifest mutation carriers. Brain, 2014, 137, 2938-2950.	7.6	91
68	A ferroptosisâ€“based panel of prognostic biomarkers for Amyotrophic Lateral Sclerosis. Scientific Reports, 2019, 9, 2918.	3.3	91
69	Cerebrospinal fluid amyloid Î² peptide patterns in Alzheimer's disease patients and nondemented controls depend on sample pretreatment: Indication of carrierâ€mediated epitope masking of amyloid Î² peptides. Electrophoresis, 2004, 25, 2912-2918.	2.4	90
70	Polyâ€<scp>GP</scp> in cerebrospinal fluid links C9orf72â€associated dipeptide repeat expression to the asymptomatic phase of <scp>ALS</scp>/<scp>FTD</scp>. EMBO Molecular Medicine, 2017, 9, 859-868.	6.9	90
71	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. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 239-247.	1.9	89
72	Serum Tau Protein Level as a Marker of Axonal Damage in Acute Ischemic Stroke. European Neurology, 2002, 47, 45-51.	1.4	87

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73	Glial Activation Markers in CSF and Serum From Patients With Primary Progressive Multiple Sclerosis: Potential of Serum GFAP as Disease Severity Marker?. Frontiers in Neurology, 2019, 10, 280.	2.4	87
74	Amyloid Î² peptides in cerebrospinal fluid as profiled with surface enhanced laser desorption/ionization time-of-flight mass spectrometry: evidence of novel biomarkers in Alzheimer's disease. Biological Psychiatry, 2004, 55, 524-530.	1.3	86
75	Could Antioxidants Lead to Neuroprotection in Amyotrophic Lateral Sclerosis?Â© Caroline Moreau et al. 2018; Published by Mary Ann Liebert, Inc. This Open Access article distributed under the terms of the Creative Commons License (http://creativecommons.org/licenses/by/4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.. Antioxidants and Redox Signaling, 2018, 29, 742-748.	5.4	86
76	CSF biomarkers of neuroinflammation in distinct forms and subtypes of neurodegenerative dementia. Alzheimer's Research and Therapy, 2020, 12, 2.	6.2	86
77	Role of Interleukin-1 in Prion Disease-Associated Astrocyte Activation. American Journal of Pathology, 2004, 165, 671-678.	3.8	85
78	Validation of amyloid-Î² peptides in CSF diagnosis of neurodegenerative dementias. Molecular Psychiatry, 2007, 12, 671-680.	7.9	85
79	14-3-3 proteins in neurodegeneration. Seminars in Cell and Developmental Biology, 2011, 22, 696-704.	5.0	85
80	Serum neurofilament light chain in behavioral variant frontotemporal dementia. Neurology, 2018, 91, e1390-e1401.	1.1	85
81	Multicenter validation of CSF neurofilaments as diagnostic biomarkers for ALS. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2016, 17, 404-413.	1.7	84
82	Heart fatty acid binding protein as a potential diagnostic marker for neurodegenerative diseases. Neuroscience Letters, 2004, 370, 36-39.	2.1	83
83	The Role of Clusterin, Complement Receptor 1, and Phosphatidylinositol Binding Clathrin Assembly Protein in Alzheimer Disease Risk and Cerebrospinal Fluid Biomarker Levels. Archives of General Psychiatry, 2011, 68, 207.	12.3	83
84	Î²â€amyloid peptides in cerebrospinal fluid of patients with Creutzfeldtâ€“Jakob disease. Annals of Neurology, 2003, 54, 263-267.	5.3	82
85	Roadmap and standard operating procedures for biobanking and discovery of neurochemical markers in ALS. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2012, 13, 1-10.	2.1	81
86	Neurofilaments in blood and CSF for diagnosis and prediction of onset in Creutzfeldt-Jakob disease. Scientific Reports, 2016, 6, 38737.	3.3	81
87	Neurofilament light chain as a blood biomarker to differentiate psychiatric disorders from behavioural variant frontotemporal dementia. Journal of Psychiatric Research, 2019, 113, 137-140.	3.1	81
88	Comprehensive analysis of the mutation spectrum in 301 German ALS families. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 817-827.	1.9	80
89	Cerebrospinal fluid biomarkers of neurodegeneration in chronic neurological diseases. Expert Review of Molecular Diagnostics, 2008, 8, 479-494.	3.1	77
90	TDPâ€43 loss of function inhibits endosomal trafficking and alters trophic signaling in neurons. EMBO Journal, 2016, 35, 2350-2370.	7.8	76

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91	Tau Protein, AÎ²42 and S-100B Protein in Cerebrospinal Fluid of Patients with Dementia with Lewy Bodies. Dementia and Geriatric Cognitive Disorders, 2005, 19, 164-170.	1.5	75
92	Cerebrospinal Fluid Immunoglobulin Kappa Light Chain in Clinically Isolated Syndrome and Multiple Sclerosis. PLoS ONE, 2014, 9, e88680.	2.5	75
93	Glial Fibrillary Acidic Protein and Protein S-100B: Different Concentration Pattern of Glial Proteins in Cerebrospinal Fluid of Patients with Alzheimer's Disease and Creutzfeldt-Jakob Disease. Journal of Alzheimer's Disease, 2009, 17, 541-551.	2.6	74
94	Neurofilament as a blood marker for diagnosis and monitoring of primary progressive aphasias. Neurology, 2017, 88, 961-969.	1.1	73
95	Proteomics in cerebrospinal fluid and spinal cord suggests UCHL1, MAP2 and GPNMB as biomarkers and underpins importance of transcriptional pathways in amyotrophic lateral sclerosis. Acta Neuropathologica, 2020, 139, 119-134.	7.7	73
96	Capillary cerebral amyloid angiopathy in Alzheimerâ€™s disease: association with allocortical/hippocampal microinfarcts and cognitive decline. Acta Neuropathologica, 2018, 135, 681-694.	7.7	70
97	Dissociation between CSF total tau and tau protein phosphorylated at threonine 231 in Creutzfeldtâ€“Jakob disease. Neurobiology of Aging, 2006, 27, 10-15.	3.1	69
98	Cisternal S100 protein and neuron-specific enolase are elevated and site-specific markers in intractable temporal lobe epilepsy. Epilepsy Research, 1999, 36, 75-82.	1.6	68
99	Specific serum and CSF microRNA profiles distinguish sporadic behavioural variant of frontotemporal dementia compared with Alzheimer patients and cognitively healthy controls. PLoS ONE, 2018, 13, e0197329.	2.5	68
100	Summary of cerebrospinal fluid routine parameters in neurodegenerative diseases. Journal of Neurology, 2011, 258, 1034-1041.	3.6	67
101	Cerebrospinal fluidâ€optimized twoâ€dimensional difference gel electrophoresis (2â€D DIGE) facilitates the differential diagnosis of Creutzfeldtâ€“Jakob disease. Proteomics, 2008, 8, 4357-4366.	2.2	66
102	Water-soluble allyl sulfones for dual site-specific labelling of proteins and cyclic peptides. Chemical Science, 2016, 7, 3234-3239.	7.4	66
103	Neurofilament Light Chain as Biomarker for Amyotrophic Lateral Sclerosis and Frontotemporal Dementia. Frontiers in Neuroscience, 2021, 15, 679199.	2.8	66
104	Reporting Cerebrospinal Fluid Data: Knowledge Base and Interpretation Software. Clinical Chemistry and Laboratory Medicine, 2001, 39, 324-32.	2.3	65
105	Total tau protein, phosphorylated tau (181p) protein, Î²-amyloid1â€“42, and Î²-amyloid1â€“40 in cerebrospinal fluid of patients with dementia with Lewy bodies. Clinical Chemistry and Laboratory Medicine, 2006, 44, 192-5.	2.3	65
106	Serum Heart-Type Fatty Acid-Binding Protein and Cerebrospinal Fluid Tau: Marker Candidates for Dementia with Lewy Bodies. Neurodegenerative Diseases, 2007, 4, 366-375.	1.4	65
107	Serum microRNAs in sporadic amyotrophic lateral sclerosis. Neurobiology of Aging, 2015, 36, 2660.e15-2660.e20.	3.1	64
108	Decreased IL-8 levels in CSF and serum of AD patients and negative correlation of MMSE and IL-1Î². BMC Neurology, 2016, 16, 185.	1.8	64

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109	Predicting behavioral variant frontotemporal dementia with pattern classification in multi-center structural MRI data. NeuroImage: Clinical, 2017, 14, 656-662.	2.7	64
110	ADAMANT: a placebo-controlled randomized phase 2 study of AADvac1, an active immunotherapy against pathological tau in Alzheimerâ€™s disease. Nature Aging, 2021, 1, 521-534.	11.6	64
111	Diagnostic and prognostic significance of neurofilament light chain NF-L, but not progranulin and S100B, in the course of amyotrophic lateral sclerosis: Data from the German MND-net. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2017, 18, 112-119.	1.7	63
112	Multicentre quality control evaluation of different biomarker candidates for amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2014, 15, 344-350.	1.7	62
113	Fluid biomarkers in frontotemporal dementia: past, present and future. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 204-215.	1.9	62
114	Cognitive Impairment and Dementia in Elderly People Living in Rural Benin, West Africa. Dementia and Geriatric Cognitive Disorders, 2009, 27, 34-41.	1.5	61
115	Biological markers for axonal degeneration in CSF and blood of patients with the first event indicative for multiple sclerosis. Neuroscience Letters, 2008, 436, 72-76.	2.1	60
116	ElecsysÂ® 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. Clinical Biochemistry, 2019, 72, 30-38.	1.9	60
117	Follow-up investigations in cerebrospinal fluid of patients with dementia with Lewy bodies and Alzheimerâ€™s disease. Journal of Neural Transmission, 2005, 112, 933-948.	2.8	59
118	CSF diagnosis of Alzheimerâ€™s disease and dementia with Lewy bodies. Journal of Neural Transmission, 2006, 113, 1771-1778.	2.8	58
119	Distinct molecular patterns of TDP-43 pathology in Alzheimerâ€™s disease: relationship with clinical phenotypes. Acta Neuropathologica Communications, 2020, 8, 61.	5.2	58
120	iTRAQ and multiple reaction monitoring as proteomic tools for biomarker search in cerebrospinal fluid of patients with Parkinson's disease dementia. Experimental Neurology, 2012, 234, 499-505.	4.1	57
121	Unchanged Survival Rates of 14-3-3Î³ Knockout Mice after Inoculation with Pathological Prion Protein. Molecular and Cellular Biology, 2005, 25, 1339-1346.	2.3	56
122	Severe sensorimotor neuropathy after intake of highest dosages of vitamin B6. Neuromuscular Disorders, 2008, 18, 156-158.	0.6	56
123	Clinical implications of nucleic acid amplification methods for the diagnosis of viral infections of the nervous system. Journal of NeuroVirology, 1996, 2, 175-190.	2.1	55
124	Bloodâ€based neurochemical diagnosis of vascular dementia: a pilot study. Journal of Neurochemistry, 2007, 103, 467-474.	3.9	55
125	Neuronal pentraxin 2: a synapse-derived CSF biomarker in genetic frontotemporal dementia. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 612-621.	1.9	55
126	Revised McDonald criteria: The persisting importance of cerebrospinal fluid analysis. Annals of Neurology, 2011, 70, 520-520.	5.3	53

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127	Protein biomarkers in Parkinson's disease: Focus on cerebrospinal fluid markers and synaptic proteins. Movement Disorders, 2016, 31, 848-860.	3.9	52
128	Plasma Neurofilament Light for Prediction of Disease Progression in Familial Frontotemporal Lobar Degeneration. Neurology, 2021, 96, e2296-e2312.	1.1	52
129	Millerâ€Fisher syndrome after COVIDâ€19: neurochemical markers as an early sign of nervous system involvement. European Journal of Neurology, 2020, 27, 2378-2380.	3.3	51
130	Electrophoretic separation of amyloid Î² peptides in plasma. Electrophoresis, 2004, 25, 3336-3343.	2.4	50
131	Neurofilament light chain in serum of adolescent and adult SMA patients under treatment with nusinersen. Journal of Neurology, 2020, 267, 36-44.	3.6	47
132	Normal hypocretin-1 (orexin-A) levels in the cerebrospinal fluid of patients with Huntington's disease. Brain Research, 2005, 1063, 201-203.	2.2	46
133	Cerebrospinal Fluid Tau, p-Tau 181 and Amyloid-Î²_{38/40/42} in Frontotemporal Dementias and Primary Progressive Aphasias. Dementia and Geriatric Cognitive Disorders, 2011, 31, 37-44.	1.5	46
134	Importance of cerebrospinal fluid analysis in the era of McDonald 2010 criteria: a Germanâ€“Austrian retrospective multicenter study in patients with a clinically isolated syndrome. Journal of Neurology, 2016, 263, 2499-2504.	3.6	46
135	Identification of novel cerebrospinal fluid biomarker candidates for dementia with Lewy bodies: a proteomic approach. Molecular Neurodegeneration, 2020, 15, 36.	10.8	46
136	Increased Levels of Antigen-Bound Î²-Amyloid Autoantibodies in Serum and Cerebrospinal Fluid of Alzheimerâ€™s Disease Patients. PLoS ONE, 2013, 8, e68996.	2.5	45
137	Differential pattern of brainâ€specific CSF proteins tau and amyloidâ€beta in Parkinsonian syndromes. Movement Disorders, 2010, 25, 1284-1288.	3.9	44
138	AADVAC1, AN ACTIVE IMMUNOTHERAPY FOR ALZHEIMERâ€™S DISEASE AND NON ALZHEIMER TAUOPATHIES: AN OVERVIEW OF PRECLINICAL AND CLINICAL DEVELOPMENT. journal of prevention of Alzheimer's disease, The, 2019, 6, 1-7.	2.7	44
139	Neurofilaments and tau in CSF in an infant with SMA type 1 treated with nusinersen. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 1068.2-1069.	1.9	44
140	Kinetics of Serum Neuron-Specific Enolase and Prolactin in Patients After Single Epileptic Seizures. Epilepsia, 1999, 40, 713-718.	5.1	43
141	Targeted Mass Spectrometry Suggests Beta-Synuclein as Synaptic Blood Marker in Alzheimerâ€™s Disease. Journal of Proteome Research, 2020, 19, 1310-1318.	3.7	43
142	Proteome Profiling in Murine Models of Multiple Sclerosis: Identification of Stage Specific Markers and Culprits for Tissue Damage. PLoS ONE, 2009, 4, e7624.	2.5	43
143	Predicting primary progressive aphasias with support vector machine approaches in structural MRI data. NeuroImage: Clinical, 2017, 14, 334-343.	2.7	42
144	Progression of Behavioral Disturbances and Neuropsychiatric Symptoms in Patients With Genetic Frontotemporal Dementia. JAMA Network Open, 2021, 4, e2030194.	5.9	42

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145	Diagnosis of Creutzfeldt-Jakob disease and related human spongiform encephalopathies. Biomedicine and Pharmacotherapy, 1997, 51, 381-387.	5.6	41
146	Intact Protein Analysis of Ubiquitin in Cerebrospinal Fluid by Multiple Reaction Monitoring Reveals Differences in Alzheimerâ€™s Disease and Frontotemporal Lobar Degeneration. Journal of Proteome Research, 2014, 13, 4518-4525.	3.7	41
147	Semen inhibits Zika virus infection of cells and tissues from the anogenital region. Nature Communications, 2018, 9, 2207.	12.8	41
148	Neurochemical markers in CSF of adolescent and adult SMA patients undergoing nusinersen treatment. Therapeutic Advances in Neurological Disorders, 2019, 12, 175628641984605.	3.5	41
149	White paper by the Society for CSF Analysis and Clinical Neurochemistry: Overcoming barriers in biomarker development and clinical translation. Alzheimer's Research and Therapy, 2018, 10, 30.	6.2	40
150	Atrophy in the Thalamus But Not Cerebellum Is Specific for C9orf72 FTD and ALS Patients â€“ An Atlas-Based Volumetric MRI Study. Frontiers in Aging Neuroscience, 2018, 10, 45.	3.4	40
151	Simultaneous analysis by capillary electrophoresis of five amyloid peptides as potential biomarkers of Alzheimer's disease. Journal of Chromatography A, 2008, 1214, 157-164.	3.7	39
152	Ubiquitin as potential cerebrospinal fluid marker of Creutzfeldtâ€“Jakob disease. Proteomics, 2010, 10, 81-89.	2.2	39
153	Microchip Electrophoresis Profiling of Aî² Peptides in the Cerebrospinal Fluid of Patients with Alzheimerâ€™s Disease. Analytical Chemistry, 2010, 82, 7611-7617.	6.5	39
154	Comparison of CSF and serum neurofilament light and heavy chain as differential diagnostic biomarkers for ALS. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 68-74.	1.9	39
155	Neurochemical approaches of cerebrospinal fluid diagnostics in neurodegenerative diseases. Methods, 2008, 44, 289-298.	3.8	38
156	Biomarkers for diseases with TDP-43 pathology. Molecular and Cellular Neurosciences, 2019, 97, 43-59.	2.2	38
157	Tau, Phospho-Tau, and S-100B in the Cerebrospinal Fluid of Children With Multiple Sclerosis. Journal of Child Neurology, 2005, 20, 822-825.	1.4	37
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