Martin Vyhnalek

List of Publications by Year
in descending order

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109 papers	3,005 citations	218592 26 h-index	197736 49 g-index
134 all docs	134 docs citations	134 times ranked	3094 citing authors

#	Article	IF	Citations
1	Reducing misclassification of mild cognitive impairment based on base rate information from the Uniform data set. Aging, Neuropsychology, and Cognition, 2023, 30, 301-320.	0.7	2
2	Memory Binding Test and Its Associations With Hippocampal Volume Across the Cognitive Continuum Preceding Dementia. Assessment, 2023, 30, 856-872.	1.9	4
3	Validation of the LUMIPULSE automated immunoassay for the measurement of core AD biomarkers in cerebrospinal fluid. Clinical Chemistry and Laboratory Medicine, 2022, 60, 207-219.	1.4	44
4	APOE É›4 Allele Moderates the Association Between Basal Forebrain Nuclei Volumes and Allocentric Navigation in Older Adults Without Dementia. Journal of Alzheimer's Disease, 2022, 86, 155-171.	1.2	0
5	Progression from Subjective Cognitive Decline to Mild Cognitive Impairment or Dementia: The Role of Baseline Cognitive Performance. Journal of Alzheimer's Disease, 2022, 86, 1763-1774.	1.2	2
6	SPG11: clinical and genetic features of seven Czech patients and literature review. Neurological Research, 2022, , 1-11.	0.6	2
7	Emotional prosody recognition is impaired in Alzheimerâ€™s disease. Alzheimer's Research and Therapy, 2022, 14, 50.	3.0	4
8	New insights into the genetic etiology of Alzheimerâ€™s disease and related dementias. Nature Genetics, 2022, 54, 412-436.	9.4	700
9	Association of Rare APOE Missense Variants V236E and R251G With Risk of Alzheimer Disease. JAMA Neurology, 2022, 79, 652.	4.5	31
10	Contribution of Memory Tests to Early Identification of Conversion from Amnestic Mild Cognitive Impairment to Dementia. Journal of Alzheimer's Disease, 2022, 88, 1397-1409.	1.2	5
11	Cognitive Phenotypes of Older Adults with Subjective Cognitive Decline and Amnestic Mild Cognitive Impairment: The Czech Brain Aging Study. Journal of the International Neuropsychological Society, 2021, 27, 329-342.	1.2	11
12	Spatial navigation in early multiple sclerosis: a neglected cognitive marker of the disease?. Journal of Neurology, 2021, 268, 77-89.	1.8	5
13	Mild Behavioral Impairment Is Associated With Atrophy of Entorhinal Cortex and Hippocampus in a Memory Clinic Cohort. Frontiers in Aging Neuroscience, 2021, 13, 643271.	1.7	63
14	The Association Between Homocysteine and Memory in Older Adults. Journal of Alzheimer's Disease, 2021, 81, 413-426.	1.2	6
15	Common variants in Alzheimerâ€™s disease and risk stratification by polygenic risk scores. Nature Communications, 2021, 12, 3417.	5.8	140
16	Clinical dynamic visual acuity in patients with cerebellar ataxia and vestibulopathy. PLoS ONE, 2021, 16, e0255299.	1.1	4
17	Spatial Navigation and Visuospatial Strategies in Typical and Atypical Aging. Brain Sciences, 2021, 11, 1421.	1.1	11
18	Spatial Pattern Separation Testing Differentiates Alzheimerâ€™s Disease Biomarker-Positive and Biomarker-Negative Older Adults With Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2021, 13, 774600.	1.7	5

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19	Impact of APOE and BDNF Val66Met polymorphisms on spatial navigation and brain morphometry in subjective cognitive decline. Alzheimer's and Dementia, 2021, 17, .	0.4	0
20	Perspective taking and its structural correlates in early Alzheimer's disease. Alzheimer's and Dementia, 2021, 17, .	0.4	0
21	Impact of APOE and BDNF Val66Met Gene Polymorphisms on Cognitive Functions in Patients with Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2020, 73, 247-257.	1.2	16
22	3ÂHz postural tremor: A specific and sensitive sign of cerebellar dysfunction in patients with cerebellar ataxia. Clinical Neurophysiology, 2020, 131, 2349-2356.	0.7	3
23	The Effect of Mindfulness-Based Stress Reduction (MBSR) on Depression, Cognition, and Immunity in Mild Cognitive Impairment: A Pilot Feasibility Study . Clinical Interventions in Aging, 2020, Volume 15, 1365-1381.	1.3	34
24	Virtual navigation and scene exploration in early Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e043878.	0.4	0
25	Mild behavioral impairment is associated with atrophy in Alzheimer's diseaseâ€related regions in nonâ€demented older adults. Alzheimer's and Dementia, 2020, 16, e044819.	0.4	3
26	Spatial navigation and verbal memory are influenced by the combined effects of APOE and BDNF Val66Met polymorphisms in mild cognitive impairment. Alzheimer's and Dementia, 2020, 16, e044911.	0.4	0
27	Cognitive worry in cognitively normal older adults is associated with decreased memory binding, hippocampal volume and parahippocampal thickness. Alzheimer's and Dementia, 2020, 16, e045748.	0.4	0
28	Ratio of serum proBDNF to BDNF and its association with cognitive performance and brain morphometry in mild cognitive impairment. Alzheimer's and Dementia, 2020, 16, e046340.	0.4	6
29	Surface plasmon resonance biosensor for the detection of tau-amyloid Î² complex. Sensors and Actuators B: Chemical, 2020, 316, 128146.	4.0	32
30	Interactions of 17Î²-Hydroxysteroid Dehydrogenase Type 10 and Cyclophilin D in Alzheimer's Disease. Neurochemical Research, 2020, 45, 915-927.	1.6	8
31	Spatial Pattern Separation in Early Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2020, 76, 121-138.	1.2	22
32	The Combined Effect of APOE and BDNF Val66Met Polymorphisms on Spatial Navigation in Older Adults. Journal of Alzheimer's Disease, 2020, 78, 1473-1492.	1.2	6
33	Cognitive Impairment in Old Age. European Psychologist, 2020, 25, 174-185.	1.8	3
34	Clinical Variability in P102L Gerstmannâ€“StrÃ¤usslerâ€“Scheinker Syndrome. Annals of Neurology, 2019, 86, 643-652.	2.8	22
35	Differences in Subjective Cognitive Complaints Between Non-Demented Older Adults from a Memory Clinic and the Community. Journal of Alzheimer's Disease, 2019, 70, 61-73.	1.2	6
36	Czech Brain Aging Study (CBAS): prospective multicentre cohort study on risk and protective factors for dementia in the Czech Republic. BMJ Open, 2019, 9, e030379.	0.8	32

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37	Autosomal recessive hereditary spastic paraplegia type SPG35 due to a novel variant in the FA2H gene in a Czech patient. Journal of Clinical Neuroscience, 2019, 59, 337-339.	0.8	3
38	Hereditary cerebellar ataxias in adults. Neurologie Pro Praxi, 2019, 20, 344-350.	0.0	0
39	Assessment of Memory Impairment in Early Diagnosis of Alzheimerâ€™s Disease. Current Alzheimer Research, 2019, 16, 975-985.	0.7	5
40	Reduced Cerebrovascular Reserve Capacity as a Biomarker of Microangiopathy in Alzheimerâ€™s Disease and Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2018, 63, 465-477.	1.2	14
41	The Uniform Data Set, Czech Version: Normative Data in Older Adults from an International Perspective. Journal of Alzheimer's Disease, 2018, 61, 1233-1240.	1.2	21
42	The effect of Alzheimer's disease on spatial navigation strategies. Neurobiology of Aging, 2018, 64, 107-115.	1.5	58
43	Semantic verbal fluency impairment is detectable in patients with subjective cognitive decline. Applied Neuropsychology Adult, 2018, 25, 448-457.	0.7	32
44	P1â€526: SPATIAL NAVIGATION IN NONAMNESTIC MILD COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2018, 14, P534.	0.4	0
45	DTâ€02â€02: NOVEL ULTRASENSITIVE IMMUNOASSAY DETECTING Pâ€TAU THR217 COMPLETELY DISTINGUISHES ALZHEIMER'S DISEASE FROM FRONTOTEMPORAL LOBAR DEGENERATION. Alzheimer's and Dementia, 2018, 14, P1669.	0.4	0
46	P1â€529: IMPACT OF BDNF AND APOE POLYMORPHISM ON COGNITIVE PERFORMANCE IN PATIENTS AT INCREASED RISK OF DEVELOPING ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P535.	0.4	0
47	P3â€335: IMPACT OF SUBJECTIVE COGNITIVE COMPLAINTS ON INSTRUMENTAL ACTIVITIES OF DAILY LIVING IN PATIENTS WITH SUBJECTIVE COGNITIVE DECLINE AND AMNESTIC MILD COGNITIVE IMPAIRMENT: DATA FROM THE CZECH BRAIN AGING STUDY. Alzheimer's and Dementia, 2018, 14, P1210.	0.4	0
48	O5â€03â€06: EGOCENTRIC SPATIAL NAVIGATION IMPAIRMENT IS MORE PRONOUNCED IN AMYLOID POSITIVE MCI PATIENTS: PILOT DATA FROM THE CZECH BRAIN AGEING STUDY. Alzheimer's and Dementia, 2018, 14, P1648.	0.4	0
49	P2â€257: BIOMARKERS OF CSF: ALZHEIMER'S PROGRESSION TRACKING. Alzheimer's and Dementia, 2018, 14, P774.	0.4	0
50	Discovery and Identification of an Endogenous Metabolite of Tramiprosate and Its Prodrug ALZ-801 that Inhibits Beta Amyloid Oligomer Formation in the Human Brain. CNS Drugs, 2018, 32, 849-861.	2.7	38
51	Health-related quality of life, neuropsychiatric symptoms and structural brain changes in clinically isolated syndrome. PLoS ONE, 2018, 13, e0200254.	1.1	12
52	Subjective Spatial Navigation Complaints - A Frequent Symptom Reported by Patients with Subjective Cognitive Decline, Mild Cognitive Impairment and Alzheimer's Disease. Current Alzheimer Research, 2018, 15, 219-228.	0.7	28
53	Cognitive impairment and structural brain changes in patients with clinically isolated syndrome at high risk for multiple sclerosis. Journal of Neurology, 2017, 264, 482-493.	1.8	38
54	Exploring the contribution of spatial navigation to cognitive functioning in older adults. Neurobiology of Aging, 2017, 51, 67-70.	1.5	45

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55	[P1â€“471]: EFFECT OF ALZHEIMER's DISEASE ON SPATIAL PATTERN SEPARATION. Alzheimer's and Dementia, 2017, 13, P469.	0.4	0
56	[P3â€“459]: RECOGNITION OF EMOTIONS FROM VOICE IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER's DISEASE DEMENTIA. Alzheimer's and Dementia, 2017, 13, P1148.	0.4	2
57	Clock drawing test in screening for Alzheimer's dementia and mild cognitive impairment in clinical practice. International Journal of Geriatric Psychiatry, 2017, 32, 933-939.	1.3	22
58	[P2â€“451]: PAIRED CUED RECALL IN MEMORY BINDING TEST IS ASSOCIATED WITH THE LEVEL OF COGNITIVE WORRY IN COGNITIVELY NORMAL OLDER ADULTS. Alzheimer's and Dementia, 2017, 13, P810.	0.4	0
59	[P3â€“466]: SPECIFIC SUBJECTIVE COGNITIVE COMPLAINTS REFLECT MEDIOTEMPORAL ATROPHY AND OBJECTIVE MEMORY PERFORMANCE IN NONDEMENTED OLDER ADULTS. Alzheimer's and Dementia, 2017, 13, P1151.	0.4	0
60	[P1â€“479]: WHAT IS THE POTENTIAL OF CZECH VERSION OF THE FACEâ€NAME ASSOCIATIVE MEMORY EXAM (CZâ€FNAMEâ€12) FOR ASSESSING MEMORY DEFICIT?. Alzheimer's and Dementia, 2017, 13, P472.	0.4	1
61	Subjective Cognitive Complaints in Cognitively Healthy Older Adults and Their Relationship to Cognitive Performance and Depressive Symptoms. Journal of Alzheimer's Disease, 2017, 59, 871-881.	1.2	56
62	Neurosonological Markers Predict ing Cognitive Deterioration. Ceska A Slovenska Neurologie A Neurochirurgie, 2017, 80/113, 409-417.	0.0	0
63	Assessment of Life Satisfaction in Patients with Clinically Isolated Syndrome. Ceska A Slovenska Neurologie A Neurochirurgie, 2017, 80/113, 675-678.	0.0	0
64	Propositional Density in Spoken and Written Language of Czech-Speaking Patients With Mild Cognitive Impairment. Journal of Speech, Language, and Hearing Research, 2016, 59, 1461-1470.	0.7	15
65	P1â€355: The Effect of Earlyâ€Stage Alzheimerâ€™s Disease on Spatial Navigation Strategies: A Pilot Study. Alzheimer's and Dementia, 2016, 12, P565.	0.4	2
66	P2â€344: Subjective Cognitive Complaints Reflect Hippocampal Atrophy in Nondemented Older Adults as Well as Objective Memory Testing. Alzheimer's and Dementia, 2016, 12, P775.	0.4	0
67	P2â€346: Different Specific Cognitive Complaints Reflect Lower Cognitive Performance and Depressive Symptomatology in Cognitively Normal Elderly. Alzheimer's and Dementia, 2016, 12, P777.	0.4	0
68	P2â€414: APOE*4 Prevalence According to Cognitive Status in the Czech Population: Data from Czech Brain Aging Study. Alzheimer's and Dementia, 2016, 12, P803.	0.4	0
69	P3â€399: Spiritual Wellâ€Being as a Protective Factor for the Effect of Medial Temporal Lobe Atrophy on Memory: Data from Czech Brain Aging Study. Alzheimer's and Dementia, 2016, 12, P1002.	0.4	0
70	O2â€04â€03: Distinct Spatial Navigation Impairment Across Neurodegenerative Dementias and its Neuroanatomical Underpinnings. Alzheimer's and Dementia, 2016, 12, P230.	0.4	0
71	P1-182: The Effect of APOE E4 on Episodic Memory in Patients with Amnestic Mild Cognitive Impairment. , 2016, 12, P474-P474.		0
72	Homocysteine and Real-Space Navigation Performance among Non-Demented Older Adults. Journal of Alzheimer's Disease, 2016, 55, 951-964.	1.2	15

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73	Real-space path integration is impaired in Alzheimerâ€™s disease and mild cognitive impairment. Behavioural Brain Research, 2016, 307, 150-158.	1.2	46
74	Analysis of lipophilic fluorescent products in blood of Alzheimer's disease patients. Journal of Cellular and Molecular Medicine, 2016, 20, 1367-1372.	1.6	12
75	P2â€210: Specific Differences in Spatial Navigation Performance in Neurodegenerative Dementias. Alzheimer's and Dementia, 2016, 12, P701.	0.4	0
76	Performance and complications of lumbar puncture in memory clinics: Results of the multicenter lumbar puncture feasibility study. Alzheimer's and Dementia, 2016, 12, 154-163.	0.4	179
77	P2-091: Tomm40 â€˜523â€™ polymorphisms may influence cognitive functions in patients with amnestic mild cognitive impairment. , 2015, 11, P519-P519.		0
78	P4-113: Specific cognitive complaints are associated with objective cognitive performance. , 2015, 11, P819-P819.		0
79	O4-11-04: Performance and complications of lumbar puncture in memory clinics: Results of the multicenter lp feasibility study. , 2015, 11, P297-P297.		1
80	Levels of 17Î²-Hydroxysteroid Dehydrogenase Type 10 in Cerebrospinal Fluid of People with Mild Cognitive Impairment and Various Types of Dementias. Journal of Alzheimer's Disease, 2015, 48, 105-114.	1.2	3
81	Basal Forebrain Atrophy Contributes to Allocentric Navigation Impairment in Alzheimerâ€™s Disease Patients. Frontiers in Aging Neuroscience, 2015, 7, 185.	1.7	28
82	P1-228: Controlled encoding and cued recall memory test in predicting dementia in patients with memory complaint. , 2015, 11, P440-P440.		0
83	Olfactory identification in amnestic and non-amnestic mild cognitive impairment and its neuropsychological correlates. Journal of the Neurological Sciences, 2015, 349, 179-184.	0.3	34
84	The effect of TOMM40 on spatial navigation in amnestic mild cognitive impairment. Neurobiology of Aging, 2015, 36, 2024-2033.	1.5	33
85	Clock Drawing Test and the diagnosis of amnestic mild cognitive impairment: Can more detailed scoring systems do the work?. Journal of Clinical and Experimental Neuropsychology, 2014, 36, 1076-1083.	0.8	15
86	P3-172: OLFACTORY IDENTIFICATION OF IMPAIRMENT IN AMNESTIC AND NON-AMNESTIC MILD COGNITIVE IMPAIRMENT. , 2014, 10, P691-P692.		0
87	Odor Identification in Frontotemporal Lobar Degeneration Subtypes. American Journal of Alzheimer's Disease and Other Dementias, 2014, 29, 762-768.	0.9	19
88	Neuropsychological Correlates of Hippocampal Atrophy in Memory Testing in Nondemented Older Adults. Journal of Alzheimer's Disease, 2014, 42, S81-S90.	1.2	27
89	APOE and spatial navigation in amnestic MCI: Results from a computer-based test.. Neuropsychology, 2014, 28, 676-684.	1.0	43
90	Interactions between Amyloid-Î² and Tau in Cerebrospinal Fluid of People with Mild Cognitive Impairment and Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 42, S91-S98.	1.2	8

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91	O2-07-05: DIFFERENCES IN SPATIAL AND TEMPORAL ORDER MEMORY IN VARIOUS NEURODEGENERATIVE DEMENTIAS. , 2014, 10, P179-P179.		0
92	P2-107: LEVELS OF 17Î²-HYDROXYSTEROID DEHYDROGENASE TYPE 10 IN CSF: THE BIOMARKER OF ALZHEIMER DISEASE?. , 2014, 10, P510-P511.		0
93	Famous Landmark Identification in Amnestic Mild Cognitive Impairment and Alzheimer's Disease. PLoS ONE, 2014, 9, e105623.	1.1	15
94	Spinocerebellar Ataxias Type 8, 12, and 17 and Dentatorubro-Pallidoluysian Atrophy in Czech Ataxic Patients. Cerebellum, 2013, 12, 155-161.	1.4	15
95	Spatial navigation in young versus older adults. Frontiers in Aging Neuroscience, 2013, 5, 94.	1.7	106
96	Balance rehabilitation therapy by tongue electrotactile biofeedback in patients with degenerative cerebellar disease. NeuroRehabilitation, 2012, 31, 429-434.	0.5	37
97	From Morris Water Maze to Computer Tests in the Prediction of Alzheimerâ€™s Disease. Neurodegenerative Diseases, 2012, 10, 153-157.	0.8	57
98	Czech Version of the Trail Making Test: Normative Data and Clinical Utility. Archives of Clinical Neuropsychology, 2012, 27, 906-914.	0.3	70
99	Disturbance of real space navigation in moderately advanced but not in early Huntington's disease. Journal of the Neurological Sciences, 2012, 312, 86-91.	0.3	21
100	Recognition of Facial Emotional Expression in Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2012, 33, 273-280.	1.2	28
101	Spatial Navigation and APOE in Amnestic Mild Cognitive Impairment. Neurodegenerative Diseases, 2011, 8, 169-177.	0.8	65
102	Human Analogue of the Morris Water Maze for Testing Subjects at Risk of Alzheimerâ€™s Disease. Neurodegenerative Diseases, 2010, 7, 148-152.	0.8	74
103	Spatial navigation testing discriminates two types of amnestic mild cognitive impairment. Behavioural Brain Research, 2009, 202, 252-259.	1.2	122
104	Two cases of improvement of smooth pursuit eye movements after selective posterior rhizotomy. Child's Nervous System, 2008, 24, 1283-1288.	0.6	3
105	Long lasting recurrent familiar transient global amnesia after betablocker treatment withdrawal: case report. Neuroendocrinology Letters, 2008, 29, 44-6.	0.2	6
106	Spatial navigation deficit in amnestic mild cognitive impairment. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4042-4047.	3.3	258
107	Novel EGR2 mutation R359Q is associated with CMT type 1 and progressive scoliosis. Neuromuscular Disorders, 2005, 15, 764-767.	0.3	24
108	Concomitancy of mutation in FRDA gene and FMR1 premutation in 58 year-old woman. Neuroendocrinology Letters, 2005, 26, 71-4.	0.2	0

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109	Different Profiles of Spatial Navigation Deficits In Alzheimerâ€™s Disease Biomarker-Positive Versus Biomarker-Negative Older Adults With Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 0, 14, .	1.7	11