Michael G Harrington

List of Publications by Year
in descending order

90 papers	5,286 citations	236925 25 h-index	114465 63 g-index
107 all docs	107 docs citations	107 times ranked	7803 citing authors

#	Article	IF	Citations
1	MRI Automated T1 Signal Intensity Detection of Diffuse Brain Manganese Accumulation in Cirrhosis. Journal of Neuroimaging, 2021, 31, 186-191.	2.0	1
2	Evidence that bloodâ€“CSF barrier transport, but not inflammatory biomarkers, change in migraine, while CSF sVCAM1 associates with migraine frequency and CSF fibrinogen. Headache, 2021, 61, 536-545.	3.9	13
3	Retinal ganglion cell dysfunction in preclinical Alzheimerâ€™s disease: an electrophysiologic biomarkerÂsignature. Scientific Reports, 2021, 11, 6344.	3.3	19
4	Measures of resting state EEG rhythms for clinical trials in Alzheimer's disease: Recommendations of an expert panel. Alzheimer's and Dementia, 2021, 17, 1528-1553.	0.8	64
5	Regional brain volumes relate to Alzheimerâ€™s disease cerebrospinal fluid biomarkers and neuropsychometry: A cross-sectional, observational study. PLoS ONE, 2021, 16, e0254332.	2.5	5
6	Plasma Lipolysis and Changes in Plasma and Cerebrospinal Fluid Signaling Lipids Reveal Abnormal Lipid Metabolism in Chronic Migraine. Frontiers in Molecular Neuroscience, 2021, 14, 691733.	2.9	6
7	Urine dicarboxylic acids are metabolic biomarkers of early Alzheimerâ€™s disease. Alzheimer's and Dementia, 2021, 17, .	0.8	0
8	Understanding early Alzheimer's disease pathology by combining neurochemicals with EEG. Alzheimer's and Dementia, 2021, 17, e057486.	0.8	0
9	High-dose triglyceride DHA supplementation increases plasma and cerebrospinal fluid phospholipid DHA species.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e055544.	0.8	0
10	Nonconformist tendencies related to risky choices in female methamphetamine abstainers. American Journal of Drug and Alcohol Abuse, 2020, 46, 68-77.	2.1	2
11	Brain delivery of supplemental docosahexaenoic acid (DHA): A randomized placebo-controlled clinical trial. EBioMedicine, 2020, 59, 102883.	6.1	70
12	Compromised Behavior and Gamma Power During Working Memory in Cognitively Healthy Individuals With Abnormal CSF Amyloid/Tau. Frontiers in Aging Neuroscience, 2020, 12, 574214.	3.4	9
13	Plasma glutamate metabolism correlates with cognitive function and the brainâ€adipose axis in a presymptomatic Alzheimerâ€™s cohort. Alzheimer's and Dementia, 2020, 16, e038353.	0.8	0
14	Dietary supplementation results in a significant incorporation of DHA into RBC phosphatidylcholine of nonâ€APOE Îµ4 allele but not for Îµ4 carriers. Alzheimer's and Dementia, 2020, 16, e038354.	0.8	0
15	Refining omegaâ€3 supplementation trials in APOE4 carriers for dementia prevention. Alzheimer's and Dementia, 2020, 16, e039029.	0.8	4
16	A study of alpha desynchronization, heart rate, and MRI during stroop testing unmasks preâ€symptomatic Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e042793.	0.8	1
17	Implicit response incompatibility slowed down asymptomatic individuals with Alzheimerâ€™s disease pathology. Alzheimer's and Dementia, 2020, 16, e044884.	0.8	0
18	Heart rate and blood pressure decreases after a motor task in preâ€symptomatic AD. Alzheimer's and Dementia, 2020, 16, e045521.	0.8	0

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19	Urine dicarboxylic acids reflect loss of energy capacity and hippocampal volume in preâ€symptomatic Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e046021.	0.8	0
20	Heart rate variability changes during task shifting testing in preâ€symptomatic Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e046599.	0.8	0
21	Retinal nerve fiber layer thickness predicts CSF amyloid/tau before cognitive decline. PLoS ONE, 2020, 15, e0232785.	2.5	31
22	Regulation of CSF and Brain Tissue Sodium Levels by the Blood-CSF and Blood-Brain Barriers During Migraine. Frontiers in Computational Neuroscience, 2020, 14, 4.	2.1	10
23	Polyunsaturated Fatty Acid Composition of Cerebrospinal Fluid Fractions Shows Their Contribution to Cognitive Resilience of a Pre-symptomatic Alzheimerâ€™s Disease Cohort. Frontiers in Physiology, 2020, 11, 83.	2.8	20
24	Searching for a traumatic brain injury biomarker to aid clinical decision making in the emergency department. EBioMedicine, 2020, 56, 102798.	6.1	2
25	APOE4 leads to bloodâ€“brain barrier dysfunction predicting cognitive decline. Nature, 2020, 581, 71-76.	27.8	705
26	A novel sensitive assay for detection of a biomarker of pericyte injury in cerebrospinal fluid. Alzheimer's and Dementia, 2020, 16, 821-830.	0.8	43
27	Urine dicarboxylic acids change in pre-symptomatic Alzheimerâ€™s disease and reflect loss of energy capacity and hippocampal volume. PLoS ONE, 2020, 15, e0231765.	2.5	12
28	Correlation of Neural Oscillations during Stroop Testing with Hippocampal and Amygdala Volume differ between Cognitively Healthy Normal Aging and Preâ€symptomatic Alzheimerâ€™s Disease. FASEB Journal, 2020, 34, 1-1.	0.5	1
29	Accumulation of Cerebrospinal Fluid Glycerophospholipids and Sphingolipids in Cognitively Healthy Participants With Alzheimerâ€™s Biomarkers Precedes Lipolysis in the Dementia Stage. Frontiers in Neuroscience, 2020, 14, 611393.	2.8	11
30	Gamma Power during Working Memory in Preâ€symptomatic Alzheimerâ€™s Disease Differs from Normal Healthy Aging. FASEB Journal, 2020, 34, 1-1.	0.5	0
31	Title is missing!. , 2020, 15, e0231765.		0
32	Title is missing!. , 2020, 15, e0231765.		0
33	Title is missing!. , 2020, 15, e0231765.		0
34	Title is missing!. , 2020, 15, e0231765.		0
35	Retinal nerve fiber layer thickness predicts CSF amyloid/tau before cognitive decline. , 2020, 15, e0232785.		0
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37	Retinal nerve fiber layer thickness predicts CSF amyloid/tau before cognitive decline. , 2020, 15, e0232785.		0
38	Retinal nerve fiber layer thickness predicts CSF amyloid/tau before cognitive decline. , 2020, 15, e0232785.		0
39	Endogenous Na+, K+-ATPase inhibitors and CSF [Na+] contribute to migraine formation. PLoS ONE, 2019, 14, e0218041.	2.5	13
40	Photoablation of Human Vitreous Opacities by Light-Induced Vapor Nanobubbles. ACS Nano, 2019, 13, 8401-8416.	14.6	36
41	Cerebral sodium (23Na) magnetic resonance imaging in patients with migraine â€" a case-control study. European Radiology, 2019, 29, 7055-7062.	4.5	18
42	Lipid Metabolism in Late-Onset Alzheimerâ€™s Disease Differs from Patients Presenting with Other Dementia Phenotypes. International Journal of Environmental Research and Public Health, 2019, 16, 1995.	2.6	11
43	A pilot study of fluorescence lifetime imaging ophthalmoscopy in preclinical Alzheimerâ€™s disease. Eye, 2019, 33, 1271-1279.	2.1	25
44	P4â€587: REGIONAL BRAIN VOLUMES RELATION TO ALZHEIMER'S DISEASE PATHOLOGY AND NEUROPSYCHOLOGICAL EXAMINATION. Alzheimer's and Dementia, 2019, 15, P1546.	0.8	0
45	O3â€01â€01: INTERACTION BETWEEN OBESITY, BRAIN HDL, AND APOE4 GENOTYPE IN CEREBRAL AMYLOIDOSIS. Alzheimer's and Dementia, 2019, 15, P875.	0.8	0
46	White matter hypointensities and hyperintensities have equivalent correlations with age and CSF Î²â€amyloid in the nondemented elderly. Brain and Behavior, 2019, 9, e01457.	2.2	39
47	Vascular dysfunctionâ€"The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167.	0.8	454
48	Bloodâ€"brain barrier breakdown is an early biomarker of human cognitive dysfunction. Nature Medicine, 2019, 25, 270-276.	30.7	987
49	Alpha desynchronization during simple working memory unmasks pathological aging in cognitively healthy individuals. PLoS ONE, 2019, 14, e0208517.	2.5	20
50	Metabolic assessment of a migraine model using relaxationâ€enhanced 1 H spectroscopy at ultrahigh field. Magnetic Resonance in Medicine, 2018, 79, 1266-1275.	3.0	14
51	O1â€01â€06: RETINAL NERVE FIBER LAYER THINNING IN PRECLINICAL ALZHEIMER'S DISEASE USING IN VIVO OPTICAL COHERENCE TOMOGRAPHY: AN INVESTIGATION OF EARLY DETECTION OCULAR BIOMARKERS. Alzheimer's and Dementia, 2018, 14, P214.	0.8	2
52	P1â€121: RETINAL GANGLION CELL AND INNER PLEXIFORM LAYER THINNING IN PREâ€CLINICAL ALZHEIMER'S DISEASE USING IN VIVO OPTICAL COHERENCE TOMOGRAPHY: ASSESSING EARLY DETECTION OF OCULAR BIOMARKERS. Alzheimer's and Dementia, 2018, 14, P317.	0.8	0
53	No-reflow phenomenon in the heart and brain. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H550-H562.	3.2	142
54	Dynamic sodium imaging at ultra-high field reveals progression in a preclinical migraine model. Pain, 2018, 159, 2058-2065.	4.2	18

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55	Alpha desynchronization/synchronization during working memory testing is compromised in acute mild traumatic brain injury (mTBI). PLoS ONE, 2018, 13, e0188101.	2.5	16
56	Altered Permeability Of The Blood-CSF Barrier In Chronic Migraine. FASEB Journal, 2018, 32, 922.6-922.6.	0.5	0
57	Working memory testing reveals neuroplasticity acutely and longitudinally after mild traumatic brain injury (mTBI). FASEB Journal, 2018, 32, 878.5.	0.5	0
58	Quantitative EEG during memory testing indicates preâ€symptomatic Alzheimer's disease and correlation with MRI. FASEB Journal, 2018, 32, 878.6.	0.5	0
59	Boston Naming Test Predicts Deterioration Of Cerebrospinal Fluid Biomarkers In Preâ€Symptomatic Alzheimer's Disease. FASEB Journal, 2018, 32, 545.1.	0.5	2
60	Plasma metalloproteinaseâ€9 (MMP9) changes in acute mild traumatic brain injury (mTBI) and correlates with quantitative EEG. FASEB Journal, 2018, 32, 526.38.	0.5	0
61	Association of Docosahexaenoic Acid Supplementation With Alzheimer Disease Stage in Apolipoprotein E Îµ4 Carriers. JAMA Neurology, 2017, 74, 339.	9.0	111
62	Cranial dural permeability of inflammatory nociceptive mediators: Potential implications for animal models of migraine. Cephalalgia, 2017, 37, 1017-1025.	3.9	19
63	[P4â€“010]: THE ABCAâ€1 AGONIST (CSâ€6253) REVERSES APOE4 HYPOLIPIDATION IN ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P1257.	0.8	0
64	P2â€117: Perimenopause in APOE4 Brain: Accelerated Myelin Catabolism for Fuel. Alzheimer's and Dementia, 2016, 12, P656.	0.8	0
65	Severe Headache or Migraine History Is Inversely Correlated With Dietary Sodium Intake: NHANES 1999â€“2004. Headache, 2016, 56, 688-698.	3.9	38
66	Severe Headache or Migraine History Is Inversely Correlated With Dietary Sodium Intake: NHANES 1999â€2004: A Response. Headache, 2016, 56, 1216-1218.	3.9	4
67	ABCA1â€Mediated Cholesterol Efflux Capacity to Cerebrospinal Fluid Is Reduced in Patients With Mild Cognitive Impairment and Alzheimer's Disease. Journal of the American Heart Association, 2016, 5, .	3.7	60
68	Amniotic fluid levels of phospholipase A2 in fetal rats with retinoic acid induced myelomeningocele: the potential â€œsecond hitâ€in neurologic damage. Journal of Maternal-Fetal and Neonatal Medicine, 2016, 29, 3003-3008.	1.5	6
69	Sphingolipid Metabolism Correlates with Cerebrospinal Fluid Beta Amyloid Levels in Alzheimerâ€™s Disease. PLoS ONE, 2015, 10, e0125597.	2.5	50
70	White Matter Lipids as a Ketogenic Fuel Supply in Aging Female Brain: Implications for Alzheimer's Disease. EBioMedicine, 2015, 2, 1888-1904.	6.1	118
71	Blood-Brain Barrier Breakdown in the Aging Human Hippocampus. Neuron, 2015, 85, 296-302.	8.1	1,436
72	Sodium 3D COncentration MApping (COMA 3D) using 23Na and proton MRI. Journal of Magnetic Resonance, 2014, 247, 88-95.	2.1	0

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73	Altered brainstem auditory evoked potentials in a rat central sensitization model are similar to those in migraine. Brain Research, 2014, 1563, 110-121.	2.2	9
74	Human Cerebrospinal Fluid Fatty Acid Levels Differ between Supernatant Fluid and Brain-Derived Nanoparticle Fractions, and Are Altered in Alzheimer's Disease. PLoS ONE, 2014, 9, e100519.	2.5	95
75	Na,K-ATPase alpha isoforms at the blood-cerebrospinal fluid-trigeminal nerve and blood-retina interfaces in the rat. Fluids and Barriers of the CNS, 2013, 10, 14.	5.0	18
76	Executive Function Changes before Memory in Preclinical Alzheimerâ€™s Pathology: A Prospective, Cross-Sectional, Case Control Study. PLoS ONE, 2013, 8, e79378.	2.5	76
77	Extracellular sodium modulates the excitability of cultured hippocampal pyramidal cells. Brain Research, 2011, 1401, 85-94.	2.2	21
78	Sodium MRI in a rat migraine model and a NEURON simulation study support a role for sodium in migraine. Cephalalgia, 2011, 31, 1254-1265.	3.9	34
79	Cerebrospinal fluid phospholipase C activity increases in migraine. Cephalalgia, 2011, 31, 456-462.	3.9	13
80	Capillary Endothelial Na⁺, K⁺, ATPase Transporter Homeostasis and a New Theory for Migraine Pathophysiology. Headache, 2010, 50, 459-478.	3.9	28
81	Blood Serum Alpha Fetoprotein Enhancer Binding Protein, a Tumor Suppressor, Decreases in Chronic HBV Hepatitis Patients as Hepatocellular Cancer Appears. Disease Markers, 2010, 28, 125-135.	1.3	0
82	Cerebrospinal fluid sodium rhythms. Cerebrospinal Fluid Research, 2010, 7, 3.	0.5	46
83	The morphology and biochemistry of nanostructures provide evidence for synthesis and signaling functions in human cerebrospinal fluid. Cerebrospinal Fluid Research, 2009, 6, 10.	0.5	64
84	Identification of Disease Markers in Human Cerebrospinal Fluid Using Lipidomic and Proteomic Methods. Disease Markers, 2006, 22, 39-64.	1.3	103
85	Prostaglandin D Synthase Isoforms from Cerebrospinal Fluid Vary with Brain Pathology. Disease Markers, 2006, 22, 73-81.	1.3	37
86	Disease Markers of the Nervous System. Disease Markers, 2006, 22, 1-2.	1.3	2
87	Cerebrospinal Fluid Sodium Increases in Migraine. Headache, 2006, 46, 1128-1135.	3.9	47
88	Cerebrospinal Profiling of Proteins, Lipids, Small Molecules, and Elements: Application to the Study of Migraine Pathophysiology. Headache, 2006, 46, S9-S12.	3.9	3
89	Cerebrospinal Fluid Biomarkers in Primary Headache Disorders. Headache, 2006, 46, 1075-1087.	3.9	12
90	Human Cerebrospinal Fluid. , 2004, , 341-353.		0