

Helmet Karim

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

1,171
citations

430874

18
h-index

477307

29
g-index

82
all docs

82
docs citations

82
times ranked

2211
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Drosophila</i> Muller Elements Maintain a Distinct Set of Genomic Properties Over 40 Million Years of Evolution. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 719-740.	1.8	84
2	Functional near-infrared spectroscopy (fNIRS) of brain function during active balancing using a video game system. <i>Gait and Posture</i> , 2012, 35, 367-372.	1.4	79
3	Sleep-Wake Differences in Relative Regional Cerebral Metabolic Rate for Glucose among Patients with Insomnia Compared with Good Sleepers. <i>Sleep</i> , 2016, 39, 1779-1794.	1.1	74
4	Intrinsic functional connectivity in late-life depression: trajectories over the course of pharmacotherapy in remitters and non-remitters. <i>Molecular Psychiatry</i> , 2017, 22, 450-457.	7.9	68
5	Functional brain imaging of multi-sensory vestibular processing during computerized dynamic posturography using near-infrared spectroscopy. <i>NeuroImage</i> , 2013, 74, 318-325.	4.2	54
6	Functional MR imaging of a simulated balance task. <i>Brain Research</i> , 2014, 1555, 20-27.	2.2	45
7	Late-life depression and increased risk of dementia: a longitudinal cohort study. <i>Translational Psychiatry</i> , 2021, 11, 147.	4.8	41
8	Subjectiveâ€“Objective Sleep Discrepancy Is Associated With Alterations in Regional Glucose Metabolism in Patients With Insomnia and Good Sleeper Controls. <i>Sleep</i> , 2017, 40, .	1.1	40
9	Improving brain age prediction models: incorporation of amyloid status in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020, 87, 44-48.	3.1	38
10	Neuroimaging to detect cortical projection of vestibular response to caloric stimulation in young and older adults using functional near-infrared spectroscopy (fNIRS). <i>NeuroImage</i> , 2013, 76, 1-10.	4.2	36
11	Motor sequence learning-induced neural efficiency in functional brain connectivity. <i>Behavioural Brain Research</i> , 2017, 319, 87-95.	2.2	35
12	Reproducibility and Bias in Healthy Brain Segmentation: Comparison of Two Popular Neuroimaging Platforms. <i>Frontiers in Neuroscience</i> , 2016, 10, 503.	2.8	30
13	Neural architecture supporting active emotion processing in children: A multivariate approach. <i>NeuroImage</i> , 2019, 188, 171-180.	4.2	28
14	Acute trajectories of neural activation predict remission to pharmacotherapy in late-life depression. <i>NeuroImage: Clinical</i> , 2018, 19, 831-839.	2.7	27
15	Disruption of Neural Homeostasis as a Model of Relapse and Recurrence in Late-Life Depression. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 1316-1330.	1.2	27
16	Aging faster: worry and rumination in late life are associated with greater brain age. <i>Neurobiology of Aging</i> , 2021, 101, 13-21.	3.1	27
17	Neurodevelopmental maturation as a function of irritable temperament. <i>Human Brain Mapping</i> , 2017, 38, 5307-5321.	3.6	26
18	Effect of Experimental Manipulation of the Orbitofrontal Cortex on Short-Term Markers of Compulsive Behavior: A Theta Burst Stimulation Study. <i>American Journal of Psychiatry</i> , 2021, 178, 459-468.	7.2	25

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19	Functional connectivity of the brain in older women with urgency urinary incontinence. <i>Neurourology and Urodynamics</i> , 2018, 37, 2763-2775.	1.5	23
20	Accelerated brain aging in chronic low back pain. <i>Brain Research</i> , 2021, 1755, 147263.	2.2	19
21	Trajectories in Cerebral Blood Flow Following Antidepressant Treatment in Late-Life Depression. <i>Journal of Clinical Psychiatry</i> , 2018, 79, .	2.2	18
22	Emotion Reactivity and Cerebrovascular Burden in Late-Life GAD: A Neuroimaging Study. <i>American Journal of Geriatric Psychiatry</i> , 2016, 24, 1040-1050.	1.2	17
23	Functional imaging of cognition in an old-old population: A case for portable functional near-infrared spectroscopy. <i>PLoS ONE</i> , 2017, 12, e0184918.	2.5	17
24	Amyloid-Beta Deposition is Associated with Increased Medial Temporal Lobe Activation during Memory Encoding in the Cognitively Normal Elderly. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 551-560.	1.2	16
25	Association between change in brain gray matter volume, cognition, and depression severity: Pre- and post- antidepressant pharmacotherapy for late-life depression. <i>Journal of Psychiatric Research</i> , 2017, 95, 129-134.	3.1	16
26	In the grip of worry: cerebral blood flow changes during worry induction and reappraisal in late-life generalized anxiety disorder. <i>Translational Psychiatry</i> , 2017, 7, e1204-e1204.	4.8	15
27	Association of Hippocampal Substructure Resting-State Functional Connectivity with Memory Performance in Older Adults. <i>American Journal of Geriatric Psychiatry</i> , 2018, 26, 690-699.	1.2	15
28	Brain Activation and Psychomotor Speed in Middle-Aged Patients with Type 1 Diabetes: Relationships with Hyperglycemia and Brain Small Vessel Disease. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-11.	2.3	14
29	The effect of amyloid deposition on longitudinal resting-state functional connectivity in cognitively normal older adults. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 7.	6.2	14
30	Insulin sensitivity predicts brain network connectivity following a meal. <i>NeuroImage</i> , 2018, 171, 268-276.	4.2	12
31	An improved algorithm of white matter hyperintensity detection in elderly adults. <i>NeuroImage: Clinical</i> , 2020, 25, 102151.	2.7	12
32	Risk of Mortality in Elderly Coronavirus Disease 2019 Patients With Mental Health Disorders: A Nationwide Retrospective Study in South Korea. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, 1308-1316.	1.2	12
33	Low-dose augmentation with buprenorphine increases emotional reactivity but not reward activity in treatment resistant mid- and late-life depression. <i>NeuroImage: Clinical</i> , 2019, 21, 101679.	2.7	11
34	Altered Functional Magnetic Resonance Imaging Markers of Affective Processing During Treatment of Late-Life Depression. <i>American Journal of Geriatric Psychiatry</i> , 2016, 24, 791-801.	1.2	10
35	An investigation of fMRI time series stationarity during motor sequence learning foot tapping tasks. <i>Journal of Neuroscience Methods</i> , 2014, 227, 75-82.	2.5	9
36	The effects of white matter disease on the accuracy of automated segmentation. <i>Psychiatry Research - Neuroimaging</i> , 2016, 253, 7-14.	1.8	9

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37	Relationships Between Executive Control Circuit Activity, Amyloid Burden, and Education in Cognitively Healthy Older Adults. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 1360-1371.	1.2	9
38	Impact of acute sleep restriction on cerebral glucose metabolism during recovery non-rapid eye movement sleep among individuals with primary insomnia and good sleeper controls. <i>Sleep Medicine</i> , 2019, 55, 81-91.	1.6	9
39	When worry may be good for you: Worry severity and limbic-prefrontal functional connectivity in late-life generalized anxiety disorder. <i>Journal of Affective Disorders</i> , 2019, 257, 650-657.	4.1	8
40	Resting state connectivity within the basal ganglia and gait speed in older adults with cerebral small vessel disease and locomotor risk factors. <i>NeuroImage: Clinical</i> , 2020, 28, 102401.	2.7	8
41	Networks of worry towards a connectivity-based signature of late-life worry using higher criticism. <i>Translational Psychiatry</i> , 2021, 11, 550.	4.8	8
42	Basal ganglia cerebral blood flow associates with psychomotor speed in adults with type 1 diabetes. <i>Brain Imaging and Behavior</i> , 2018, 12, 1271-1278.	2.1	7
43	Midazolam and Ketamine Produce Distinct Neural Changes in Memory, Pain, and Fear Networks during Pain. <i>Anesthesiology</i> , 2021, 135, 69-82.	2.5	7
44	Network modeling of anxiety and psychological characteristics on suicidal behavior: Cross-sectional study. <i>Journal of Affective Disorders</i> , 2022, 299, 545-552.	4.1	7
45	Gray matter regions statistically mediating the cross-sectional association of eotaxin and set shifting among older adults with major depressive disorder. <i>International Journal of Geriatric Psychiatry</i> , 2017, 32, 1226-1232.	2.7	6
46	Amyloid deposition is associated with different patterns of hippocampal connectivity in men versus women. <i>Neurobiology of Aging</i> , 2019, 76, 141-150.	3.1	6
47	Association between increased theta cordance and early response to ECT in late-life depression. <i>International Journal of Geriatric Psychiatry</i> , 2020, 35, 147-152.	2.7	6
48	Greater white matter hyperintensities and the association with executive function in suicide attempters with late-life depression. <i>Neurobiology of Aging</i> , 2021, 103, 60-67.	3.1	6
49	Childhood Threat Is Associated With Lower Resting-State Connectivity Within a Central Visceral Network. <i>Frontiers in Psychology</i> , 2022, 13, 805049.	2.1	6
50	Resting-State Function Connectivity Associated With Being a "Morning-Type" Dementia Caregiver and Having Lower Depression Symptom Severity. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2020, 76, 1071-1076.	3.9	5
51	An Effect of Education on Memory-Encoding Activation in Subjective Cognitive Decline. <i>Journal of Alzheimer's Disease</i> , 2021, 81, 1065-1078.	2.6	5
52	Are All Anxieties Created Equal? Stress-related Networks and Anxiety Phenotypes in Old Age. <i>American Journal of Geriatric Psychiatry</i> , 2022, 30, 801-812.	1.2	4
53	Naltrexone modulates contextual processing in depression. <i>Neuropsychopharmacology</i> , 2020, 45, 2070-2078.	5.4	3
54	Neuroimaging of situational urgency and incontinence provoked by personal urgency cues. <i>Neurourology and Urodynamics</i> , 2022, 41, 166-173.	1.5	3

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55	Editorial: Artificial Intelligence in Geriatric Mental Health Research and Clinical Care. <i>Frontiers in Psychiatry</i> , 2022, 13, 859175.	2.6	3
56	Regional Gray Matter Density Associated With Fast-Paced Walking in Older Adults: A Voxel-Based Morphometry Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1530-1536.	3.6	2
57	Dynamic Bayesian Network Modeling of Hippocampal Subfields Connectivity with 7T fMRI: A Case Study. , 2017, , .		2
58	TMS Doses Based on Motor Threshold Differ Between DLPFC, OFC, and Motor Cortex: A Case for Electric Field Dosimetry in Clinical Studies. <i>Biological Psychiatry</i> , 2022, 91, S70.	1.3	2
59	Testing a new, intensified infusionâ€”withdrawal protocol for urinary urgency provocation in brainâ€”bladder studies. <i>Neurourology and Urodynamics</i> , 2021, 40, 131-136.	1.5	1
60	100 - Artificial Intelligence in Geriatric Mental Health: Recent Advances in Clinical Research. <i>International Psychogeriatrics</i> , 2021, 33, 1-1.	1.0	1
61	Emotional Processing Functional Magnetic Resonance Imaging Is Associated with Treatment Response in Late Life Depression. <i>American Journal of Geriatric Psychiatry</i> , 2015, 23, S132-S133.	1.2	0
62	Relationships among Potential Precursors of Dementia: Subjective Cognitive Decline, Amyloid Burden, and Brain Hyperactivation. <i>American Journal of Geriatric Psychiatry</i> , 2018, 26, S98.	1.2	0
63	T133. Prediction of Remission to Pharmacotherapy in Late-Life Depression Using Baseline and Single Dose Neural Activation. <i>Biological Psychiatry</i> , 2018, 83, S180.	1.3	0
64	Functional Activation during Emotion Processing in Late-Life Depression: Early Markers of Treatment Response. <i>American Journal of Geriatric Psychiatry</i> , 2018, 26, S89-S90.	1.2	0
65	NEURAL CORRELATES OF COMPLEX WALKING TASKS IN OLDER ADULTS. <i>Innovation in Aging</i> , 2019, 3, S472-S472.	0.1	0
66	IMPROVING BRAIN AGE PREDICTION MODELS: INCORPORATION OF AMYLOID STATUS IN ALZHEIMERâ€™S DISEASE. <i>Innovation in Aging</i> , 2019, 3, S91-S91.	0.1	0
67	F32. Neural Markers of Successful In-Scanner Worry Reappraisal in Older Adults. <i>Biological Psychiatry</i> , 2019, 85, S224-S225.	1.3	0
68	0406 Neural Correlates of Mood Improvements Following Recovery from Sleep Deprivation in Patients with Insomnia and Good Sleepers. <i>Sleep</i> , 2019, 42, A164-A165.	1.1	0
69	Neuroimaging biomarkers of late-life major depressive disorder pathophysiology, pathogenesis, and treatment response. , 2020, , 339-356.		0
70	Neural Markers of Successful In-Scanner Worry Reappraisal in Older Adults: Open-Label Neural Target Engagement Using Intermittent Theta-Burst TMS. <i>Biological Psychiatry</i> , 2020, 87, S419-S420.	1.3	0
71	The Elusive â€”White Whaleâ€” of Treatment Response Prediction: Leveraging the Curse of Heterogeneity in Late-Life Depression. <i>American Journal of Geriatric Psychiatry</i> , 2021, 29, 1199-1201.	1.2	0
72	Understanding the Neurocomputational Mechanisms of Antidepressant Placebo Effects. <i>Journal of Psychiatry and Brain Science</i> , 2021, 6, .	0.5	0

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73	Increased White Matter Hyperintensity and Impact on Executive Function in Suicide Attempters with Late-Life Depression. SSRN Electronic Journal, 0, , .	0.4	0
74	Characterization of Resting State Default Mode Network in Individuals with HbSS and HbSC, and Healthy Controls Using 7-Tesla Human MRI. Blood, 2021, 138, 126-126.	1.4	0
75	Artificial Intelligence in Geriatric Mental Health: Recent Advances in Clinical Research. American Journal of Geriatric Psychiatry, 2022, 30, S15-S16.	1.2	0
76	Does clinical data capture modifiable midlife risk factors for Alzheimer's disease?. Alzheimer's and Dementia, 2021, 17, .	0.8	0