

Frank G Hillary

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,437
citations

201674

27
h-index

155660

55
g-index

67
all docs

67
docs citations

67
times ranked

5482
citing authors

#	ARTICLE	IF	CITATIONS
1	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , 2020, 10, 100.	4.8	365
2	Resting Network Plasticity Following Brain Injury. <i>PLoS ONE</i> , 2009, 4, e8220.	2.5	237
3	Neural correlates of cognitive fatigue in multiple sclerosis using functional MRI. <i>Journal of the Neurological Sciences</i> , 2008, 270, 28-39.	0.6	226
4	Injured Brains and Adaptive Networks: The Benefits and Costs of Hyperconnectivity. <i>Trends in Cognitive Sciences</i> , 2017, 21, 385-401.	7.8	214
5	Hyperconnectivity is a fundamental response to neurological disruption.. <i>Neuropsychology</i> , 2015, 29, 59-75.	1.3	204
6	Graph theory approaches to functional network organization in brain disorders: A critique for a brave new small-world. <i>Network Neuroscience</i> , 2019, 3, 1-26.	2.6	148
7	Automatic search for fMRI connectivity mapping: An alternative to Granger causality testing using formal equivalences among SEM path modeling, VAR, and unified SEM. <i>NeuroImage</i> , 2010, 50, 1118-1125.	4.2	141
8	The Rich Get Richer: Brain Injury Elicits Hyperconnectivity in Core Subnetworks. <i>PLoS ONE</i> , 2014, 9, e104021.	2.5	139
9	Extended unified SEM approach for modeling event-related fMRI data. <i>NeuroImage</i> , 2011, 54, 1151-1158.	4.2	113
10	Changes in resting connectivity during recovery from severe traumatic brain injury. <i>International Journal of Psychophysiology</i> , 2011, 82, 115-123.	1.0	112
11	Cerebral Activation Patterns During Working Memory Performance in Multiple Sclerosis Using fMRI. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2005, 27, 33-54.	1.3	109
12	Prefrontal modulation of working memory performance in brain injury and disease. <i>Human Brain Mapping</i> , 2006, 27, 837-847.	3.6	101
13	Neuroimaging of working memory dysfunction and the dilemma with brain reorganization hypotheses. <i>Journal of the International Neuropsychological Society</i> , 2008, 14, 526-534.	1.8	93
14	Epidemiological Shifts in Elderly Traumatic Brain Injury: 18-Year Trends in Pennsylvania. <i>Journal of Neurotrauma</i> , 2012, 29, 1371-1378.	3.4	88
15	Examination of processing speed deficits in multiple sclerosis using functional magnetic resonance imaging. <i>Journal of the International Neuropsychological Society</i> , 2009, 15, 383-393.	1.8	87
16	Medial prefrontal cortex hyperactivation during social exclusion in borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2010, 181, 233-236.	1.8	77
17	Examining working memory task acquisition in a disrupted neural network. <i>Brain</i> , 2011, 134, 1555-1570.	7.6	74
18	The Nature of Processing Speed Deficits in Traumatic Brain Injury: is Less Brain More?. <i>Brain Imaging and Behavior</i> , 2010, 4, 141-154.	2.1	63

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19	Functionally Activated Brain Imaging (O-15 PET and fMRI) in the Study of Learning and Memory after Traumatic Brain Injury. <i>Journal of Head Trauma Rehabilitation</i> , 2001, 16, 191-205.	1.7	60
20	The evolution of cost-efficiency in neural networks during recovery from traumatic brain injury. <i>PLoS ONE</i> , 2017, 12, e0170541.	2.5	60
21	Chronology and Chronicity of Altered Resting-State Functional Connectivity after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 252-264.	3.4	59
22	A functional application of the spacing effect to improve learning and memory in persons with multiple sclerosis. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2009, 31, 513-522.	1.3	39
23	Neural Recruitment after Mild Traumatic Brain Injury Is Task Dependent: A Meta-analysis. <i>Journal of the International Neuropsychological Society</i> , 2013, 19, 751-762.	1.8	38
24	The Less BOLD, the Wiser: Support for the latent resource hypothesis after traumatic brain injury. <i>Human Brain Mapping</i> , 2012, 33, 979-993.	3.6	36
25	Differential cerebellar activation on functional magnetic resonance imaging during working memory performance in persons with multiple sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004, 85, 635-639.	0.9	35
26	Functional Magnetic Resonance Imaging Technology and Traumatic Brain Injury Rehabilitation. <i>Journal of Head Trauma Rehabilitation</i> , 2002, 17, 411-430.	1.7	34
27	<scp>ENIGMA</scp> brain injury: Framework, challenges, and opportunities. <i>Human Brain Mapping</i> , 2022, 43, 149-166.	3.6	33
28	Application of the Spacing Effect to Improve Learning and Memory for Functional Tasks in Traumatic Brain Injury: A Pilot Study. <i>American Journal of Occupational Therapy</i> , 2009, 63, 543-548.	0.3	30
29	Dispositional optimism and outcome following traumatic brain injury. <i>Brain Injury</i> , 2011, 25, 328-337.	1.2	27
30	Metacognitive Monitoring in Moderate and Severe Traumatic Brain Injury. <i>Journal of the International Neuropsychological Society</i> , 2011, 17, 720-731.	1.8	27
31	ALTERED TOPOGRAPHY OF INTRINSIC FUNCTIONAL CONNECTIVITY IN CHILDHOOD RISK FOR SOCIAL ANXIETY. <i>Depression and Anxiety</i> , 2016, 33, 995-1004.	4.1	25
32	Diminished neural network dynamics after moderate and severe traumatic brain injury. <i>PLoS ONE</i> , 2018, 13, e0197419.	2.5	24
33	Race and ethnicity considerations in traumatic brain injury research: Incidence, reporting, and outcome. <i>Brain Injury</i> , 2020, 34, 801-810.	1.2	23
34	A global collaboration to study intimate partner violence-related head trauma: The ENIGMA consortium IPV working group. <i>Brain Imaging and Behavior</i> , 2021, 15, 475-503.	2.1	21
35	The challenge of non-ergodicity in network neuroscience. <i>Network: Computation in Neural Systems</i> , 2011, 22, 148-153.	3.6	20
36	The Neurocognitive Driving Test: Applying Technology to the Assessment of Driving Ability Following Brain Injury.. <i>Rehabilitation Psychology</i> , 2003, 48, 275-280.	1.3	16

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37	An Evolutionary Computation Approach to Examine Functional Brain Plasticity. <i>Frontiers in Neuroscience</i> , 2016, 10, 146.	2.8	16
38	What the replication crisis means for intervention science. <i>International Journal of Psychophysiology</i> , 2020, 154, 3-5.	1.0	16
39	Toward a global and reproducible science for brain imaging in neurotrauma: the ENIGMA adult moderate/severe traumatic brain injury working group. <i>Brain Imaging and Behavior</i> , 2021, 15, 526-554.	2.1	16
40	Motor vehicle collision factors influence severity and type of TBI. <i>Brain Injury</i> , 2002, 16, 729-741.	1.2	15
41	Examining lactate in severe TBI using proton magnetic resonance spectroscopy. <i>Brain Injury</i> , 2007, 21, 981-991.	1.2	15
42	Enhanced default mode connectivity predicts metacognitive accuracy in traumatic brain injury.. <i>Neuropsychology</i> , 2019, 33, 922-933.	1.3	15
43	Examining network dynamics after traumatic brain injury using the extended unified SEM approach. <i>Brain Imaging and Behavior</i> , 2014, 8, 435-445.	2.1	14
44	A voxelwise approach to determine consensus regions-of-interest for the study of brain network plasticity. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 97.	1.7	14
45	Fractal dimension brain morphometry: a novel approach to quantify white matter in traumatic brain injury. <i>Brain Imaging and Behavior</i> , 2019, 13, 914-924.	2.1	14
46	Diminished neural network dynamics in amnesic mild cognitive impairment. <i>International Journal of Psychophysiology</i> , 2018, 130, 63-72.	1.0	11
47	Retrospective Assessment of Rehabilitation Outcome After Traumatic Brain Injury. <i>Journal of Head Trauma Rehabilitation</i> , 2002, 17, 510-525.	1.7	10
48	Traumatic brain injury and frontal lobe plasticity. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2019, 163, 411-431.	1.8	9
49	Functional connectivity within lateral posterior parietal cortex in moderate to severe traumatic brain injury.. <i>Neuropsychology</i> , 2019, 33, 893-910.	1.3	9
50	Feeding the machine: Challenges to reproducible predictive modeling in resting-state connectomics. <i>Network Neuroscience</i> , 2022, 6, 1-44.	2.6	9
51	Determining the Nature of Prefrontal Cortex Recruitment After Traumatic Brain Injury: A Response to Turner. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 24.	2.5	8
52	A Population-Based Study of Pre-Existing Health Conditions in Traumatic Brain Injury. <i>Neurotrauma Reports</i> , 2021, 2, 255-269.	1.4	8
53	Prefrontal gray matter volume predicts metacognitive accuracy following traumatic brain injury.. <i>Neuropsychology</i> , 2018, 32, 484-494.	1.3	8
54	Automated Detection and Quantification of Brain Lesions in Acute Traumatic Brain Injury Using MRI. <i>Brain Imaging and Behavior</i> , 2009, 3, 111-122.	2.1	6

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55	Benefits of Order: The Influence of Item Sequencing on Metacognition in Moderate and Severe Traumatic Brain Injury. <i>Journal of the International Neuropsychological Society</i> , 2012, 18, 379-383.	1.8	5
56	Modeling distinct imaging hemodynamics early after TBI: the relationship between signal amplitude and connectivity. <i>Brain Imaging and Behavior</i> , 2015, 9, 285-301.	2.1	5
57	A Decentralized ComBat Algorithm and Applications to Functional Network Connectivity. <i>Frontiers in Neurology</i> , 2022, 13, 826734.	2.4	4
58	Traumatic brain injury in the homeless: health, injury mechanisms, and hospital course. <i>Brain Injury</i> , 2021, 35, 1192-1200.	1.2	3
59	Perceived discrimination and blood pressure in individuals aging with traumatic brain injury.. <i>Rehabilitation Psychology</i> , 2021, 66, 148-159.	1.3	2
60	Duration of post-traumatic amnesia is uniquely associated with memory functioning in chronic moderate-to-severe traumatic brain injury. <i>NeuroRehabilitation</i> , 2021, 49, 221-233.	1.3	1
61	Methodological Considerations for Using Bold fMRI in the Clinical Neurosciences. , 2011, , 103-116.		1
62	Duration of Post-traumatic Amnesia Is Associated with Memory Impairment in Chronic Moderate or Severe Traumatic Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, e46-e47.	0.9	0
63	A-124 Sleep Quality and Quantity in Individuals Aging with Traumatic Brain Injury: Associations with Psychosocial Outcomes and Health Conditions. <i>Archives of Clinical Neuropsychology</i> , 2021, 36, 1174-1174.	0.5	0
64	The Power of Perception: Beliefs About Memory Ability Uniquely Contribute to Memory Performance and Quality of Life in Adults Aging with Traumatic Brain Injury. <i>Journal of the International Neuropsychological Society</i> , 2022, , 1-13.	1.8	0