Tamara G Hershey

List of Publications by Year
in descending order

134	7,043	53660 45	69108 77
papers	citations	h-index	g-index

139	139	139	7982
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ketamine-Induced NMDA Receptor Hypofunction as a Model of Memory Impairment and Psychosis. Neuropsychopharmacology, 1999, 20, 106-118.	2.8	525
2	Mapping distributed brain function and networks with diffuse optical tomography. Nature Photonics, 2014, 8, 448-454.	15.6	459
3	PET in generalized anxiety disorder. Biological Psychiatry, 1991, 29, 1181-1199.	0.7	202
4	Regional Brain Volume Differences Associated With Hyperglycemia and Severe Hypoglycemia in Youth With Type 1 Diabetes. Diabetes Care, 2007, 30, 2331-2337.	4.3	189
5	Effects of prior hypoglycemia and hyperglycemia on cognition in children with type 1 diabetes mellitus. Pediatric Diabetes, 2008, 9, 87-95.	1.2	189
6	Selective defect of in vivo glycolysis in early Huntington's disease striatum. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2945-2949.	3.3	149
7	Mindfulnessâ€based stress reduction for older adults with worry symptoms and coâ€occurring cognitive dysfunction. International Journal of Geriatric Psychiatry, 2014, 29, 991-1000.	1.3	143
8	Alterations in White Matter Structure in Young Children With Type 1 Diabetes. Diabetes Care, 2014, 37, 332-340.	4.3	142
9	Frequency and Timing of Severe Hypoglycemia Affects Spatial Memory in Children With Type 1 Diabetes. Diabetes Care, 2005, 28, 2372-2377.	4.3	141
10	Conventional versus intensive diabetes therapy in children with type 1 diabetes: effects on memory and motor speed. Diabetes Care, 1999, 22, 1318-1324.	4.3	135
11	Amyloid imaging of Lewy bodyâ€associated disorders. Movement Disorders, 2010, 25, 2516-2523.	2.2	135
12	A calcium-dependent protease as a potential therapeutic target for Wolfram syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5292-301.	3.3	128
13	A possible substrate for dopamine-related changes in mood and behavior: Prefrontal and limbic effects of a D3-preferring dopamine agonist. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 17113-17118.	3.3	114
14	Mapping Goâ€“No-Go performance within the subthalamic nucleus region. Brain, 2010, 133, 3625-3634.	3.7	110
15	Neuroanatomical Correlates of Dysglycemia in Young Children With Type 1 Diabetes. Diabetes, 2014, 63, 343-353.	0.3	110
16	Relative risk of spread of symptoms among the focal onset primary dystonias. Movement Disorders, 2006, 21, 1175-1181.	2.2	108
17	Longitudinal Assessment of Neuroanatomical and Cognitive Differences in Young Children With Type 1 Diabetes: Association With Hyperglycemia. Diabetes, 2015, 64, 1770-1779.	0.3	107
18	Functional anatomy of subthalamic nucleus stimulation in Parkinson disease. Annals of Neurology, 2014, 76, 279-295.	2.8	106

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19	Mindfulness-Based Stress Reduction for Older Adults With Stress Disorders and Neurocognitive Difficulties. Journal of Clinical Psychiatry, 2017, 78, e734-e743.	1.1	93
20	Subthalamic nucleus stimulation-induced regional blood flow responses correlate with improvement of motor signs in Parkinson disease. Brain, 2008, 131, 2710-2719.	3.7	88
21	A comparison of D2 receptor specific binding in obese and normalâ€weight individuals using PET with (Nâ€[¹¹C]methyl)benperidol. Synapse, 2013, 67, 748-756.	0.6	87
22	Prospectively Determined Impact of Type 1 Diabetes on Brain Volume During Development. Diabetes, 2011, 60, 3006-3014.	0.3	84
23	Hippocampal Volumes in Youth With Type 1 Diabetes. Diabetes, 2010, 59, 236-241.	0.3	82
24	Cognitive Functioning in Young Children with Type 1 Diabetes. Journal of the International Neuropsychological Society, 2014, 20, 238-247.	1.2	82
25	Memory and insulin dependent diabetes mellitus (IDDM): Effects of childhood onset and severe hypoglycemia. Journal of the International Neuropsychological Society, 1997, 3, 509-520.	1.2	79
26	Early Brain Vulnerability in Wolfram Syndrome. PLoS ONE, 2012, 7, e40604.	1.1	77
27	Impact of Early Diabetic Ketoacidosis on the Developing Brain. Diabetes Care, 2019, 42, 443-449.	4.3	77
28	White Matter Microstructural Integrity in Youth With Type 1 Diabetes. Diabetes, 2013, 62, 581-589.	0.3	73
29	Managing diabetes in preschool children. Pediatric Diabetes, 2017, 18, 499-517.	1.2	73
30	Preexisting Cognitive Impairment in Women Before Cardiac Surgery and Its Relationship with C-Reactive Protein Concentrations. Anesthesia and Analgesia, 2006, 102, 1602-1608.	1.1	72
31	Phenotypic characteristics of early Wolfram syndrome. Orphanet Journal of Rare Diseases, 2013, 8, 64.	1.2	72
32	Neural correlates of STN DBS-induced cognitive variability in Parkinson disease. Neuropsychologia, 2008, 46, 3162-3169.	0.7	70
33	Dopaminergic modulation of response inhibition: an fMRI study. Cognitive Brain Research, 2004, 20, 438-448.	3.3	69
34	Prospective memory in Parkinson disease across laboratory and self-reported everyday performance.. Neuropsychology, 2009, 23, 347-358.	1.0	68
35	Variations in Brain Volume and Growth in Young Children With Type 1 Diabetes. Diabetes, 2016, 65, 476-485.	0.3	64
36	White matter integrity and executive abilities in individuals with phenylketonuria. Molecular Genetics and Metabolism, 2013, 109, 125-131.	0.5	63

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37	Glycemic extremes in youth with T1DM: The structural and functional integrity of the developing brain. Pediatric Diabetes, 2013, 14, 541-553.	1.2	63
38	Levodopa Challenge Neuroimaging of Levodopa-Related Mood Fluctuations in Parkinson's Disease. Neuropsychopharmacology, 2005, 30, 590-601.	2.8	62
39	Severe hypoglycemia and long-term spatial memory in children with type 1 diabetes mellitus: A retrospective study. Journal of the International Neuropsychological Society, 2003, 9, 740-750.	1.2	61
40	Magnetic resonance and positron emission tomography imaging of the corpus callosum: size, shape and metabolic rate in unipolar depression. Journal of Affective Disorders, 1993, 28, 15-25.	2.0	59
41	Short-term and long-term memory in early temporal lobe dysfunction.. Neuropsychology, 1998, 12, 52-64.	1.0	56
42	Neuroinflammation and White Matter Alterations in Obesity Assessed by Diffusion Basis Spectrum Imaging. Frontiers in Human Neuroscience, 2019, 13, 464.	1.0	56
43	Unilateral vs. bilateral STN DBS effects on working memory and motor function in Parkinson disease. Experimental Neurology, 2008, 210, 402-408.	2.0	52
44	Insulin, Central Dopamine D2 Receptors, and Monetary Reward Discounting in Obesity. PLoS ONE, 2015, 10, e0133621.	1.1	50
45	Altered thalamic response to levodopa in Parkinson's patients with dopa-induced dyskinesias. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12016-12021.	3.3	49
46	Clinical presentation and memory function in youth with type 1 diabetes. Pediatric Diabetes, 2016, 17, 492-499.	1.2	47
47	Monogenic diabetes syndromes: Locus-specific databases for AlstrÃ¶m, Wolfram, and Thiamine-responsive megaloblastic anemia. Human Mutation, 2017, 38, 764-777.	1.1	47
48	Ophthalmologic correlates of disease severity in children and adolescents with Wolfram syndrome. Journal of AAPOS, 2014, 18, 461-465.e1.	0.2	44
49	Prediction of striatal D2 receptor binding by DRD2/ANKK1 TaqIA allele status. Synapse, 2016, 70, 418-431.	0.6	44
50	Short- and Long-Term Spatial Delayed Response Performance Across the Lifespan. Developmental Neuropsychology, 2004, 26, 661-678.	1.0	43
51	Longitudinal Evaluation of Cognitive Functioning in Young Children with Type 1 Diabetes over 18 Months. Journal of the International Neuropsychological Society, 2016, 22, 293-302.	1.2	43
52	A prospective study of severe hypoglycemia and long-term spatial memory in children with type 1 diabetes. Pediatric Diabetes, 2004, 5, 63-71.	1.2	42
53	Motor asymmetry and substantia nigra volume are related to spatial delayed response performance in Parkinson disease. Brain and Cognition, 2008, 67, 1-10.	0.8	42
54	Global motion detection and censoring in highâ€density diffuse optical tomography. Human Brain Mapping, 2020, 41, 4093-4112.	1.9	41

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55	Mood Response to Deep Brain Stimulation of the Subthalamic Nucleus in Parkinson's Disease. Journal of Neuropsychiatry and Clinical Neurosciences, 2012, 24, 28-36.	0.9	40
56	Characterization of extrastriatal D2 in vivo specific binding of [¹⁸F](Nâ€methyl)benperidol using PET. Synapse, 2012, 66, 770-780.	0.6	39
57	Prolonged exposure to high and variable phenylalanine levels over the lifetime predicts brain white matter integrity in children with phenylketonuria. Molecular Genetics and Metabolism, 2015, 114, 19-24.	0.5	39
58	A longitudinal investigation of cognitive function in children and adolescents with type 1 diabetes mellitus. Pediatric Diabetes, 2017, 18, 443-449.	1.2	39
59	Impact of Type 1 Diabetes in the Developing Brain in Children: A Longitudinal Study. Diabetes Care, 2021, 44, 983-992.	4.3	39
60	Glucocorticoid interactions with memory function in schizophrenia. Psychoneuroendocrinology, 1998, 23, 65-72.	1.3	38
61	Emotional Eating Phenotype is Associated with Central Dopamine D2 Receptor Binding Independent of Body Mass Index. Scientific Reports, 2015, 5, 11283.	1.6	38
62	Clinical Features and Comorbidity of Mood Fluctuations in Parkinson's Disease. Journal of Neuropsychiatry and Clinical Neurosciences, 2002, 14, 438-442.	0.9	37
63	White matter integrity and executive abilities following treatment with tetrahydrobiopterin (BH4) in individuals with phenylketonuria. Molecular Genetics and Metabolism, 2013, 110, 213-217.	0.5	37
64	Persistence of abnormalities in white matter in children with type 1 diabetes. Diabetologia, 2018, 61, 1538-1547.	2.9	37
65	Pretreatment cerebral metabolic activity correlates with antidepressant efficacy of vagus nerve stimulation in treatment-resistant major depression: A potential marker for response?. Journal of Affective Disorders, 2012, 139, 283-290.	2.0	36
66	Dopa-Induced Blood Flow Responses in Nonhuman Primates. Experimental Neurology, 2000, 166, 342-349.	2.0	35
67	Gender influence on cognitive function after cardiac operation. Annals of Thoracic Surgery, 2003, 76, 1119-1125.	0.7	32
68	Selective cognitive and psychiatric manifestations in Wolfram Syndrome. Orphanet Journal of Rare Diseases, 2015, 10, 66.	1.2	32
69	Cognition and Type 1 Diabetes in Children and Adolescents. Diabetes Spectrum, 2016, 29, 197-202.	0.4	32
70	Hypoglycaemiaâ€induced changes in regional brain volume and memory function. Diabetic Medicine, 2013, 30, e151-6.	1.2	31
71	Everyday Executive Function is Associated with Activity Participation in Parkinson Disease without Dementia. OTJR Occupation, Participation and Health, 2011, 31, S16-S22.	0.4	30
72	Severity of clinical presentation in youth with type 1 diabetes is associated with differences in brain structure. Pediatric Diabetes, 2017, 18, 686-695.	1.2	30

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73	Longitudinal hearing loss in Wolfram syndrome. Orphanet Journal of Rare Diseases, 2018, 13, 102.	1.2	30
74	Rapid intravenous loading of levodopa for human research: clinical results. Journal of Neuroscience Methods, 2003, 127, 19-29.	1.3	29
75	Remote limb ischemic conditioning enhances motor learning in healthy humans. Journal of Neurophysiology, 2015, 113, 3708-3719.	0.9	29
76	Mapping movement, mood, motivation and mentation in the subthalamic nucleus. Royal Society Open Science, 2018, 5, 171177.	1.1	29
77	Normal platelet mitochondrial complex I activity in Huntingtonâ€™s Disease. Neurobiology of Disease, 2007, 27, 99-101.	2.1	28
78	Neuroimaging evidence of deficient axon myelination in Wolfram syndrome. Scientific Reports, 2016, 6, 21167.	1.6	28
79	Restingâ€State Functional Connectivity Predicts <scp>STN DBS</scp> Clinical Response. Movement Disorders, 2021, 36, 662-671.	2.2	28
80	Validation of a fiducial-based atlas localization method for deep brain stimulation contacts in the area of the subthalamic nucleus. Journal of Neuroscience Methods, 2008, 168, 275-281.	1.3	27
81	Treating Prepartum Depression to Improve Infant Developmental Outcomes: A Study of Diabetes in Pregnancy. Journal of Clinical Psychology in Medical Settings, 2012, 19, 285-292.	0.8	26
82	Comparison of Regional Cerebral Blood Flow Responses to Hypoglycemia Using Pulsed Arterial Spin Labeling and Positron Emission Tomography. PLoS ONE, 2013, 8, e60085.	1.1	26
83	Sweet Dopamine: Sucrose Preferences Relate Differentially to Striatal D2 Receptor Binding and Age in Obesity. Diabetes, 2016, 65, 2618-2623.	0.3	26
84	Compensatory Hyperconnectivity in Developing Brains of Young Children With Type 1 Diabetes. Diabetes, 2017, 66, 754-762.	0.3	25
85	A phase 1b/2a clinical trial of dantrolene sodium in patients with Wolfram syndrome. JCI Insight, 2021, 6, .	2.3	24
86	Dopamine D₁Agonist Activates Temporal Lobe Structures in Primates. Journal of Neurophysiology, 2000, 84, 549-557.	0.9	23
87	Early presentation of gait impairment in Wolfram Syndrome. Orphanet Journal of Rare Diseases, 2012, 7, 92.	1.2	23
88	Increased prevalence of brain tumors classified as T2 hyperintensities in neurofibromatosis 1. Neurology: Clinical Practice, 2018, 8, 283-291.	0.8	23
89	Neurocognitive Outcomes Are Not Improved by 17Î²-Estradiol in Postmenopausal Women Undergoing Cardiac Surgery. Stroke, 2007, 38, 2048-2054.	1.0	22
90	Progress in research on Tourette syndrome. Journal of Obsessive-Compulsive and Related Disorders, 2014, 3, 359-362.	0.7	22

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91	Developmental hypomyelination in Wolfram syndrome: new insights from neuroimaging and gene expression analyses. Orphanet Journal of Rare Diseases, 2019, 14, 279.	1.2	22
92	Cognitive-pharmacologic functional magnetic resonance imaging in tourette syndrome: a pilot study. Biological Psychiatry, 2004, 55, 916-925.	0.7	21
93	Acute Changes in Mood Induced by Subthalamic Deep Brain Stimulation in Parkinson Disease Are Modulated by Psychiatric Diagnosis. Brain Stimulation, 2014, 7, 701-708.	0.7	21
94	Thalamic Activation During Slightly Subphysiological Glycemia in Humans. Diabetes Care, 2012, 35, 2570-2574.	4.3	20
95	Reliability and validity of the Wolfram Unified Rating Scale (WURS). Orphanet Journal of Rare Diseases, 2012, 7, 89.	1.2	20
96	Evidence for altered neurodevelopment and neurodegeneration in Wolfram syndrome using longitudinal morphometry. Scientific Reports, 2019, 9, 6010.	1.6	19
97	Cognitive control dysfunction in workers exposed to manganeseâ€containing welding fume. American Journal of Industrial Medicine, 2017, 60, 181-188.	1.0	18
98	Milk Powder Added to a School Meal Increases Cognitive Test Scores in Ghanaian Children. Journal of Nutrition, 2018, 148, 1177-1184.	1.3	18
99	Obesity and White Matter Neuroinflammation Related Edema in Alzheimerâ€™s Disease Dementia Biomarker Negative Cognitively Normal Individuals. Journal of Alzheimer's Disease, 2021, 79, 1801-1811.	1.2	18
100	Preliminary evidence that negative symptom severity relates to multilocus genetic profile for dopamine signaling capacity and D2 receptor binding in healthy controls and in schizophrenia. Journal of Psychiatric Research, 2017, 86, 9-17.	1.5	17
101	Antiglucocorticoid therapy for older adults with anxiety and co-occurring cognitive dysfunction: results from a pilot study with mifepristone. International Journal of Geriatric Psychiatry, 2014, 29, 962-969.	1.3	16
102	Risk Factors for Neurocognitive Dysfunction After Cardiac Surgery in Postmenopausal Women. Annals of Thoracic Surgery, 2008, 86, 511-516.	0.7	15
103	Visual pathway function and structure in Wolfram syndrome: patient age, variation and progression. BMJ Open Ophthalmology, 2018, 3, e000081.	0.8	15
104	Brain Function Differences in Children With Type 1 Diabetes: A Functional MRI Study of Working Memory. Diabetes, 2020, 69, 1770-1778.	0.3	15
105	Balance impairment in individuals with Wolfram syndrome. Gait and Posture, 2012, 36, 619-624.	0.6	14
106	Lower Urinary Tract Dysfunction and Associated Pons Volume in Patients with Wolfram Syndrome. Journal of Urology, 2018, 200, 1107-1113.	0.2	14
107	Depression and anxiety in a manganese-exposed community. NeuroToxicology, 2021, 85, 222-233.	1.4	14
108	Mindfulness, Education, and Exercise for age-related cognitive decline: Study protocol, pilot study results, and description of the baseline sample. Clinical Trials, 2020, 17, 581-594.	0.7	13

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109	Effects of remote limb ischemic conditioning on muscle strength in healthy young adults: A randomized controlled trial. PLoS ONE, 2020, 15, e0227263.	1.1	13
110	The Role of Postoperative Neurocognitive Dysfunction on Quality of Life for Postmenopausal Women 6 Months After Cardiac Surgery. Anesthesia and Analgesia, 2008, 107, 21-28.	1.1	12
111	Longitudinal Assessment of Neuroradiologic Features in Wolfram Syndrome. American Journal of Neuroradiology, 2020, 41, 2364-2369.	1.2	12
112	Using functional neuroimaging to study the brain's response to deep brain stimulation. Neurology, 2006, 66, 1142-1143.	1.5	11
113	Remote Limb Ischemic Conditioning at Two Cuff Inflation Pressures Yields Learning Enhancements in Healthy Adults. Journal of Motor Behavior, 2017, 49, 337-348.	0.5	11
114	Sleep disturbances in Wolfram syndrome. Orphanet Journal of Rare Diseases, 2019, 14, 188.	1.2	11
115	Childrenâ€™s higher order cognitive abilities and the development of secondary memory. Psychonomic Bulletin and Review, 2009, 16, 925-930.	1.4	10
116	Remote Limb Ischemic Conditioning and Motor Learning: Evaluation of Factors Influencing Response in Older Adults. Translational Stroke Research, 2019, 10, 362-371.	2.3	10
117	The effects of disease-related symptoms onÂdaily function in Wolfram Syndrome. Translational Science of Rare Diseases, 2017, 2, 89-100.	1.6	9
118	Nucleus accumbens microstructure mediates the relationship between obesity and eating behavior in adults. Obesity, 2021, 29, 1328-1337.	1.5	8
119	Taste and smell function in Wolfram syndrome. Orphanet Journal of Rare Diseases, 2020, 15, 57.	1.2	6
120	Hippocampal Volume in Type 1 Diabetes. European Endocrinology, 2010, 10, 14.	0.8	6
121	Environmental manganese exposure and cognitive control in a South African population. NeuroToxicology, 2022, 89, 31-40.	1.4	6
122	Understanding activity participation among individuals with Wolfram syndrome. British Journal of Occupational Therapy, 2018, 81, 348-357.	0.5	4
123	Dose of remote limb ischemic conditioning for enhancing learning in healthy young adults. Experimental Brain Research, 2019, 237, 1493-1502.	0.7	4
124	Striatal Dopamine Responses to Feeding are Altered in People with Obesity. Obesity, 2020, 28, 765-771.	1.5	4
125	Comparison of Hippocampal Subfield Segmentation Agreement between 2 Automated Protocols across the Adult Life Span. American Journal of Neuroradiology, 2021, 42, 1783-1789.	1.2	4
126	5. The Impact of Hypoglycemia on the Developing Brain. Translational Endocrinology & Metabolism, 2012, , 137-159.	0.2	3

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127	Pancreatic stone protein/regenerating protein is a potential biomarker for endoplasmic reticulum stress in beta cells. Scientific Reports, 2019, 9, 5199.	1.6	3
128	Longitudinal progression of diabetes mellitus in Wolfram syndrome: The Washington University Wolfram Research Clinic experience. Pediatric Diabetes, 2022, 23, 212-218.	1.2	3
129	Neuroimaging in Baboons. , 2009, , 327-350.		2
130	Plasma Neurofilament Light Chain Levels Are Elevated in Children and Young Adults With Wolfram Syndrome. Frontiers in Neuroscience, 2022, 16, 795317.	1.4	2
131	Technological Ecological Momentary Assessment Tools to Study Type 1 Diabetes in Youth: Viewpoint of Methodologies. JMIR Diabetes, 2021, 6, e27027.	0.9	1
132	Dopaminergic modulation of response inhibition: an fMRI study. Cognitive Brain Research, 2004, 20, 438-438.	3.3	0
133	0936 Sleep Disturbances in Wolfram Syndrome. Sleep, 2019, 42, A376-A377.	0.6	0
134	SAT-LB59 Functional MRI Study: Weight Loss Induced Changes in Taste Receipt-Induced Activation in the Striatum and Hypothalamus. Journal of the Endocrine Society, 2020, 4, .	0.1	0