Suzanne N Haber

List of Publications by Year
in descending order

124 papers	20,399 citations	26630 56 h-index	24258 110 g-index
138 all docs	138 docs citations	138 times ranked	19112 citing authors

#	Article	IF	Citations
1	The Reward Circuit: Linking Primate Anatomy and Human Imaging. Neuropsychopharmacology, 2010, 35, 4-26.	5.4	2,972
2	Striatonigrostriatal Pathways in Primates Form an Ascending Spiral from the Shell to the Dorsolateral Striatum. Journal of Neuroscience, 2000, 20, 2369-2382.	3.6	1,753
3	The primate basal ganglia: parallel and integrative networks. Journal of Chemical Neuroanatomy, 2003, 26, 317-330.	2.1	1,370
4	Harnessing neuroplasticity for clinical applications. Brain, 2011, 134, 1591-1609.	7.6	907
5	Closed-Loop Deep Brain Stimulation Is Superior in Ameliorating Parkinsonism. Neuron, 2011, 72, 370-384.	8.1	705
6	Reward-Related Cortical Inputs Define a Large Striatal Region in Primates That Interface with Associative Cortical Connections, Providing a Substrate for Incentive-Based Learning. Journal of Neuroscience, 2006, 26, 8368-8376.	3.6	622
7	Corticostriatal circuitry. Dialogues in Clinical Neuroscience, 2016, 18, 7-21.	3.7	614
8	The cortico-basal ganglia integrative network: The role of the thalamus. Brain Research Bulletin, 2009, 78, 69-74.	3.0	580
9	Imaging Human Mesolimbic Dopamine Transmission with Positron Emission Tomography. Part II: Amphetamine-Induced Dopamine Release in the Functional Subdivisions of the Striatum. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 285-300.	4.3	510
10	Increased Synaptic Dopamine Function in Associative Regions of the Striatum in Schizophrenia. Archives of General Psychiatry, 2010, 67, 231.	12.3	468
11	The Organization of Prefrontal-Subthalamic Inputs in Primates Provides an Anatomical Substrate for Both Functional Specificity and Integration: Implications for Basal Ganglia Models and Deep Brain Stimulation. Journal of Neuroscience, 2013, 33, 4804-4814.	3.6	441
12	Thalamic Relay Nuclei of the Basal Ganglia Form Both Reciprocal and Nonreciprocal Cortical Connections, Linking Multiple Frontal Cortical Areas. Journal of Neuroscience, 2002, 22, 8117-8132.	3.6	413
13	The Subcallosal Cingulate Gyrus in the Context of Major Depression. Biological Psychiatry, 2011, 69, 301-308.	1.3	404
14	Dopamine Neurons Make Glutamatergic SynapsesIn Vitro. Journal of Neuroscience, 1998, 18, 4588-4602.	3.6	316
15	Invasive Circuitry-Based Neurotherapeutics: Stereotactic Ablation and Deep Brain Stimulation for OCD. Neuropsychopharmacology, 2010, 35, 317-336.	5.4	310
16	Insular Cortical Projections to Functional Regions of the Striatum Correlate with Cortical Cytoarchitectonic Organization in the Primate. Journal of Neuroscience, 1997, 17, 9686-9705.	3.6	303
17	Measuring macroscopic brain connections in vivo. Nature Neuroscience, 2015, 18, 1546-1555.	14.8	292
18	Primate cingulostriatal projection: Limbic striatal versus sensorimotor striatal input. Journal of Comparative Neurology, 1994, 350, 337-356.	1.6	289

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19	Connectivity-Based Functional Analysis of Dopamine Release in the Striatum Using Diffusion-Weighted MRI and Positron Emission Tomography. Cerebral Cortex, 2014, 24, 1165-1177.	2.9	276
20	The place of dopamine in the cortico-basal ganglia circuit. Neuroscience, 2014, 282, 248-257.	2.3	266
21	Circuit-Based Corticostriatal Homologies Between Rat and Primate. Biological Psychiatry, 2016, 80, 509-521.	1.3	265
22	Enhanced Synchrony among Primary Motor Cortex Neurons in the 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine Primate Model of Parkinson's Disease. Journal of Neuroscience, 2002, 22, 4639-4653.	3.6	260
23	A Proposal for a Coordinated Effort for the Determination of Brainwide Neuroanatomical Connectivity in Model Organisms at a Mesoscopic Scale. PLoS Computational Biology, 2009, 5, e1000334.	3.2	242
24	A functional neuroimaging investigation of deep brain stimulation in patients with obsessiveâ€“compulsive disorder. Journal of Neurosurgery, 2006, 104, 558-565.	1.6	234
25	Convergent Inputs from Thalamic Motor Nuclei and Frontal Cortical Areas to the Dorsal Striatum in the Primate. Journal of Neuroscience, 2000, 20, 3798-3813.	3.6	213
26	The Concept of the Ventral Striatum in Nonhuman Primates. Annals of the New York Academy of Sciences, 1999, 877, 33-48.	3.8	210
27	Amygdaloid projections to ventromedial striatal subterritories in the primate. Neuroscience, 2002, 110, 257-275.	2.3	195
28	The Neural Network Underlying Incentive-Based Learning: Implications for Interpreting Circuit Disruptions in Psychiatric Disorders. Neuron, 2014, 83, 1019-1039.	8.1	194
29	Human and Monkey Ventral Prefrontal Fibers Use the Same Organizational Principles to Reach Their Targets: Tracing versus Tractography. Journal of Neuroscience, 2013, 33, 3190-3201.	3.6	185
30	Rules Ventral Prefrontal Cortical Axons Use to Reach Their Targets: Implications for Diffusion Tensor Imaging Tractography and Deep Brain Stimulation for Psychiatric Illness. Journal of Neuroscience, 2011, 31, 10392-10402.	3.6	167
31	Frontal Cortical and Subcortical Projections Provide a Basis for Segmenting the Cingulum Bundle: Implications for Neuroimaging and Psychiatric Disorders. Journal of Neuroscience, 2014, 34, 10041-10054.	3.6	167
32	Gilles de la Tourette's syndrome. Journal of the Neurological Sciences, 1986, 75, 225-241.	0.6	166
33	The Place of the Thalamus in Frontal Cortical-Basal Ganglia Circuits. Neuroscientist, 2001, 7, 315-324.	3.5	163
34	Striatal Responses to Partial Dopaminergic Lesion: Evidence for Compensatory Sprouting. Journal of Neuroscience, 2000, 20, 5102-5114.	3.6	148
35	Relationship between the corticostriatal terminals from areasâ€ƒ9 and 46, and those from areaâ€ƒ8A, dorsal and rostral premotor cortex and areaâ€ƒ24c: an anatomical substrate for cognition to action. European Journal of Neuroscience, 2007, 26, 2005-2024.	2.6	145
36	Estimates of Projection Overlap and Zones of Convergence within Frontal-Striatal Circuits. Journal of Neuroscience, 2014, 34, 9497-9505.	3.6	140

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37	The Rat Prefrontostriatal System Analyzed in 3D: Evidence for Multiple Interacting Functional Units. Journal of Neuroscience, 2013, 33, 5718-5727.	3.6	128
38	Organization of thalamic projections to the ventral striatum in the primate. Journal of Comparative Neurology, 1995, 354, 127-149.	1.6	125
39	Survival and growth of fetal catecholamine neurons transplanted into primate brain. Brain Research Bulletin, 1986, 17, 809-818.	3.0	119
40	Mechanisms of striatal pattern formation: conservation of mammalian compartmentalization. Developmental Brain Research, 1990, 57, 93-102.	1.7	118
41	Functional Segmentation of the Anterior Limb of the Internal Capsule: Linking White Matter Abnormalities to Specific Connections. Journal of Neuroscience, 2018, 38, 2106-2117.	3.6	118
42	Prefrontal Cortical Projections to the Midbrain in Primates: Evidence for a Sparse Connection. Neuropsychopharmacology, 2006, 31, 1627-1636.	5.4	109
43	Dopamine Replacement Therapy Does Not Restore the Full Spectrum of Normal Pallidal Activity in the 1-Methyl-4-Phenyl-1,2,3,6-Tetra-Hydropyridine Primate Model of Parkinsonism. Journal of Neuroscience, 2006, 26, 8101-8114.	3.6	104
44	Organization of thalamostriatal terminals from the ventral motor nuclei in the macaque. Journal of Comparative Neurology, 2001, 429, 321-336.	1.6	94
45	Holographic Reconstruction of Axonal Pathways in the Human Brain. Neuron, 2019, 104, 1056-1064.e3.	8.1	91
46	Subthalamic, not striatal, activity correlates with basal ganglia downstream activity in normal and parkinsonian monkeys. ELife, 2016, 5, .	6.0	91
47	The thalamus in drug addiction: from rodents to humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170028.	4.0	86
48	Positive reactions to tobacco predict relapse after cessation.. Journal of Abnormal Psychology, 2011, 120, 999-1005.	1.9	85
49	A neural network for information seeking. Nature Communications, 2019, 10, 5168.	12.8	81
50	A connectional hub in the rostral anterior cingulate cortex links areas of emotion and cognitive control. ELife, 2019, 8, .	6.0	78
51	Low-Pass Filter Properties of Basal Ganglia Cortical Muscle Loops in the Normal and MPTP Primate Model of Parkinsonism. Journal of Neuroscience, 2008, 28, 633-649.	3.6	76
52	Improvements in Anorexia Symptoms After Deep Brain Stimulation for Intractable Obsessive-Compulsive Disorder. Biological Psychiatry, 2013, 73, e29-e31.	1.3	74
53	Evolution of gamma knife capsulotomy for intractable obsessive-compulsive disorder. Molecular Psychiatry, 2019, 24, 218-240.	7.9	73
54	Proopiomelanocortin peptide immunocytochemistry in rhesus monkey brain. Brain Research Bulletin, 1984, 13, 785-800.	3.0	71

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55	Convergence of prefrontal and parietal anatomical projections in a connectional hub in the striatum. NeuroImage, 2017, 146, 821-832.	4.2	70
56	Bed nucleus of the stria terminalis and extended amygdala inputs to dopamine subpopulations in primates. Neuroscience, 2001, 104, 807-827.	2.3	68
57	Defining the Caudal Ventral Striatum in Primates: Cellular and Histochemical Features. Journal of Neuroscience, 2002, 22, 10078-10082.	3.6	65
58	Four Deep Brain Stimulation Targets for Obsessive-Compulsive Disorder: Are They Different?. Biological Psychiatry, 2021, 90, 667-677.	1.3	65
59	Connectomic Deep Brain Stimulation for Obsessive-Compulsive Disorder. Biological Psychiatry, 2021, 90, 678-688.	1.3	61
60	Tectonigral projections in the primate: a pathway for preâ€attentive sensory input to midbrain dopaminergic neurons. European Journal of Neuroscience, 2009, 29, 575-587.	2.6	56
61	Neurocircuitry: A Window into the Networks Underlying Neuropsychiatric Disease. Neuropsychopharmacology, 2010, 35, 1-3.	5.4	56
62	Circuits, Networks, and Neuropsychiatric Disease: Transitioning From Anatomy to Imaging. Biological Psychiatry, 2020, 87, 318-327.	1.3	51
63	Diffusion MRI and anatomic tracing in the same brain reveal common failure modes of tractography. NeuroImage, 2021, 239, 118300.	4.2	51
64	Anterior Cingulate Cortex and the Control of Dynamic Behavior in Primates. Current Biology, 2020, 30, R1442-R1454.	3.9	49
65	In situ hybridization histochemistry: a new method for processing material stored for several years. Brain Research, 1992, 578, 155-160.	2.2	48
66	Post mortem mapping of connectional anatomy for the validation of diffusion MRI. NeuroImage, 2022, 256, 119146.	4.2	47
67	Functional topography of the ventral striatum and anterior limb of the internal capsule determined by electrical stimulation of awake patients. Clinical Neurophysiology, 2009, 120, 1941-1948.	1.5	46
68	Combinatorial Inputs to the Ventral Striatum from the Temporal Cortex, Frontal Cortex, and Amygdala: Implications for Segmenting the Striatum. ENeuro, 2017, 4, ENEURO.0392-17.2017.	1.9	46
69	Translational Research in OCD: Circuitry and Mechanisms. Neuropsychopharmacology, 2013, 38, 252-253.	5.4	43
70	Chapter 25 Transplantation of fetal dopamine neurons in primate brain reverses MPTP induced parkinsonism. Progress in Brain Research, 1987, 71, 309-323.	1.4	41
71	Prefrontal connectomics: from anatomy to human imaging. Neuropsychopharmacology, 2022, 47, 20-40.	5.4	40
72	Enhancement of Fear Extinction with Deep Brain Stimulation: Evidence for Medial Orbitofrontal Involvement. Neuropsychopharmacology, 2015, 40, 1726-1733.	5.4	39

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73	A prefrontal network integrates preferences for advance information about uncertain rewards and punishments. Neuron, 2021, 109, 2339-2352.e5.	8.1	38
74	Parallel and Integrative Processing Through the Basal Ganglia Reward Circuit: Lessons from Addiction. Biological Psychiatry, 2008, 64, 173-174.	1.3	37
75	The distribution of enkephalin immunoreactive neuronal cell bodies in the monkey brain: Preliminary observations. Neuroscience Letters, 1982, 32, 247-252.	2.1	35
76	Acute deep brain stimulation changes in regional cerebral blood flow in obsessive-compulsive disorder. Journal of Neurosurgery, 2016, 125, 1087-1093.	1.6	35
77	Organization of the Anterior Limb of the Internal Capsule in the Rat. Journal of Neuroscience, 2017, 37, 2539-2554.	3.6	34
78	Use of an Individual-Level Approach to Identify Cortical Connectivity Biomarkers in Obsessive-Compulsive Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 27-38.	1.5	32
79	Myosin light chain kinase is expressed in neurons and glia: immunoblotiing and immunocytochemical studies. Molecular Brain Research, 1992, 14, 27-34.	2.3	30
80	The Basal Ganglia. , 2004, , 676-738.		30
81	Naloxone blocks amphetamine-induced rearing: Potential interaction between catecholamines and endorphins. Progress in Neuro-Psychopharmacology & Biological Psychiatry, 1978, 2, 425-430.	0.6	29
82	The Basal Ganglia. , 2012, , 678-738.		29
83	Tracing intrinsic fiber connections in postmortem human brain with WGA-HRP. Journal of Neuroscience Methods, 1988, 23, 15-22.	2.5	28
84	Integrative Aspects of Basal Ganglia Circuitry. Advances in Behavioral Biology, 1994, , 71-80.	0.2	28
85	Deep Brain Stimulation Initiative: Toward Innovative Technology, New Disease Indications, and Approaches to Current and Future Clinical Challenges in Neuromodulation Therapy. Frontiers in Neurology, 2020, 11, 597451.	2.4	27
86	Cognitive and limbic circuits that are affected by deep brain stimulation. Frontiers in Bioscience - Landmark, 2009, Volume, 1823.	3.0	26
87	Emerging, reemerging, and forgotten brain areas of the reward circuit: Notes from the 2010 Motivational Neural Networks conference. Behavioural Brain Research, 2011, 225, 348-357.	2.2	25
88	Considering the Role of the Amygdala in Psychotic Illness. Journal of Neuropsychiatry and Clinical Neurosciences, 1998, 10, 383-394.	1.8	24
89	Anatomical and functional connectivity support the existence of a salience network node within the caudal ventrolateral prefrontal cortex. ELife, 2022, 11, .	6.0	22
90	A 3D multi-modal and multi-dimensional digital brain model as a framework for data sharing. Journal of Neuroscience Methods, 2010, 194, 56-63.	2.5	20

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91	Functional Disruption of Cerebello-thalamo-cortical Networks in Obsessive-Compulsive Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 438-447.	1.5	19
92	Corticostriatal Circuitry. , 2016, , 1721-1741.		19
93	Stratum radiatum of CA2 is an additional target of the perforant path in humans and monkeys. NeuroReport, 2010, 21, 245-249.	1.2	18
94	Functional disruption in prefrontal-striatal network in obsessive-compulsive disorder. Psychiatry Research - Neuroimaging, 2020, 300, 111081.	1.8	18
95	Interspecies conservation and variation in peptidergic neurons. Peptides, 1980, 1, 21-26.	2.4	17
96	Integrative Networks Across Basal Ganglia Circuits. Handbook of Behavioral Neuroscience, 2010, , 409-427.	0.7	17
97	Insights from the IronTract challenge: Optimal methods for mapping brain pathways from multi-shell diffusion MRI. NeuroImage, 2022, 257, 119327.	4.2	17
98	Late changes in cerebral monoamine metabolism following focal ventrolateral cerebrocortical lesions in rats. Brain Research, 1985, 344, 205-210.	2.2	16
99	How do cortico-striatal projections impact on downstream pallidal circuitry?. Brain Structure and Function, 2018, 223, 2809-2821.	2.3	16
100	Modelling white matter in gyral blades as a continuous vector field. NeuroImage, 2021, 227, 117693.	4.2	15
101	Corticostriatal Circuitry. , 2016, , 1-21.		14
102	Nonhuman primate meso-circuitry data: a translational tool to understand brain networks across species. Brain Structure and Function, 2021, 226, 1-11.	2.3	11
103	Functional Anatomy and Physiology of the Basal Ganglia: Non-motor Functions. , 2008, , 33-62.		11
104	Reversible Increase in Smoking After Withdrawal of Ventral Capsule/Ventral Striatum Deep Brain Stimulation in a Depressed Smoker. Journal of Addiction Medicine, 2012, 6, 94-95.	2.6	10
105	Neural mechanisms of persistent avoidance in OCD: A novel avoidance devaluation study. NeuroImage: Clinical, 2020, 28, 102404.	2.7	10
106	Cell proliferation in the striatum during postnatal development: preferential distribution in subregions of the ventral striatum. Brain Structure and Function, 2008, 213, 119-127.	2.3	9
107	Anatomy and connectivity of the reward circuit. , 2009, , 1-27.		9
108	Corticostriatal Projections of Macaque Area 44. Cerebral Cortex Communications, 2020, 1, tgaa079.	1.6	8

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109	Perspective on basal ganglia connections as described by Nauta and Mehler in 1966: Where we were and how this paper effected where we are now. Brain Research, 2016, 1645, 4-7.	2.2	7
110	A Novel Insular/Orbital-Prelimbic Circuit That Prevents Persistent Avoidance in a Rodent Model of Compulsive Behavior. Biological Psychiatry, 2023, 93, 1000-1009.	1.3	4
111	Lennart Heimer: in memoriam (1930â€“2007). Brain Structure and Function, 2008, 213, 3-10.	2.3	2
112	A Cross Species Approach to Understanding DBS Modulation of Fear. Brain Stimulation, 2015, 8, 986-988.	1.6	2
113	Neural Circuits Affected by Deep Brain Stimulation for the Treatment of Psychiatric Disorders. , 2012, , 11-20.		2
114	Neurocircuitry Underlying OCD. , 2017, , .		2
115	Descending efferent connections of the sub-pallidal areas in the cat: projections to the lateral habenula. NeuroReport, 1995, 6, 977-980.	1.2	1
116	137. Location of Anterior Cingulate and Ventrolateral Prefrontal Cortical Hubs: Integration Between Emotional and Cognitive Functions. Biological Psychiatry, 2018, 83, S56.	1.3	1
117	Transient aphasia induced by intermittent theta burst stimulation. Brain Stimulation, 2020, 13, 941-942.	1.6	1
118	The prefrontal cortex. Neuropsychopharmacology, 2022, 47, 1-2.	5.4	1
119	Meeting report: â€œDepression and Anxiety Spectrum disorders: from basic science to the clinic and backâ€• Biology of Mood & Anxiety Disorders, 2013, 3, 6.	4.7	0
120	138. Biomarkers of Reward and Avoidance Neural Circuitry Abnormalities in Mood Disorders and OCD: Toward New Neural Targets for Neuromodulation Interventions. Biological Psychiatry, 2018, 83, S56.	1.3	0
121	2. Prefrontal Cortex and Striatum Hubs: Integrating Information From Reward, Cognitive, and Motor Control Regions. Biological Psychiatry, 2019, 85, S1.	1.3	0
122	Neurocircuitry Underlying the Effects of Deep Brain Stimulation. Psychiatric Annals, 2010, 40, 499-503.	0.1	0
123	Society of Biological Psychiatryâ€™s 2022 Meeting. Biological Psychiatry, 2022, 91, A11.	1.3	0
124	Targeting Presupplementary Motor Area in OCD With tDCS and Continuous Theta Burst TMS. Biological Psychiatry, 2022, 91, S16.	1.3	0