Helen Barbas

List of Publications by Year
in descending order

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70 papers	6,610 citations	76196 40 h-index	106150 65 g-index
74 all docs	74 docs citations	74 times ranked	7443 citing authors

#	Article	IF	Citations
1	The prefrontal cortex, pathological anxiety, and anxiety disorders. Neuropsychopharmacology, 2022, 47, 260-275.	2.8	67
2	Pathways for Memory, Cognition and Emotional Context: Hippocampal, Subgenual Area 25, and Amygdalar Axons Show Unique Interactions in the Primate Thalamic Reuniens Nucleus. Journal of Neuroscience, 2022, 42, 1068-1089.	1.7	14
3	Pathways for Contextual Memory: The Primate Hippocampal Pathway to Anterior Cingulate Cortex. Cerebral Cortex, 2021, 31, 1807-1826.	1.6	16
4	Visual Attention Decits in Schizophrenia Can Arise From Inhibitory Dysfunction in Thalamus or Cortex. Computational Psychiatry, 2020, 2, 223.	1.1	17
5	Organization of primate amygdalarâ€“thalamic pathways for emotions. PLoS Biology, 2020, 18, e3000639.	2.6	27
6	Topological atlas of the hypothalamus in adult rhesus monkey. Brain Structure and Function, 2020, 225, 1777-1803.	1.2	9
7	Serial Prefrontal Pathways Are Positioned to Balance Cognition and Emotion in Primates. Journal of Neuroscience, 2020, 40, 8306-8328.	1.7	22
8	Mechanisms for the Approach/Avoidance Decision Applied to Autism. Trends in Neurosciences, 2019, 42, 448-457.	4.2	19
9	The Structural Model: a theory linking connections, plasticity, pathology, development and evolution of the cerebral cortex. Brain Structure and Function, 2019, 224, 985-1008.	1.2	149
10	Cortical Connections Position Primate Area 25 as a Keystone for Interoception, Emotion, and Memory. Journal of Neuroscience, 2018, 38, 1677-1698.	1.7	76
11	Pathway mechanism for excitatory and inhibitory control in working memory. Journal of Neurophysiology, 2018, 120, 2659-2678.	0.9	29
12	Specificity of Primate Amygdalar Pathways to Hippocampus. Journal of Neuroscience, 2018, 38, 10019-10041.	1.7	40
13	Parallel Development of Chromatin Patterns, Neuron Morphology, and Connections: Potential for Disruption in Autism. Frontiers in Neuroanatomy, 2018, 12, 70.	0.9	21
14	Opposite development of short- and long-range anterior cingulate pathways in autism. Acta Neuropathologica, 2018, 136, 759-778.	3.9	23
15	Parallel trends in cortical gray and white matter architecture and connections in primates allow fine study of pathways in humans and reveal network disruptions in autism. PLoS Biology, 2018, 16, e2004559.	2.6	45
16	Anterior Cingulate Pathways May Affect Emotions Through Orbitofrontal Cortex. Cerebral Cortex, 2017, 27, 4891-4910.	1.6	30
17	A Predictive Structural Model of the Primate Connectome. Scientific Reports, 2017, 7, 43176.	1.6	100
18	Posterior Orbitofrontal and Anterior Cingulate Pathways to the Amygdala Target Inhibitory and Excitatory Systems with Opposite Functions. Journal of Neuroscience, 2017, 37, 5051-5064.	1.7	44

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19	Mirror trends of plasticity and stability indicators in primate prefrontal cortex. European Journal of Neuroscience, 2017, 46, 2392-2405.	1.2	70
20	Prefrontal Cortex Integration of Emotion and Cognition. , 2017, , 51-76.		13
21	Distinction of Neurons, Glia and Endothelial Cells in the Cerebral Cortex: An Algorithm Based on Cytological Features. Frontiers in Neuroanatomy, 2016, 10, 107.	0.9	161
22	Prefrontalâ€“hippocampal pathways underlying inhibitory control over memory. Neurobiology of Learning and Memory, 2016, 134, 145-161.	1.0	164
23	The primate connectome in context: Principles of connections of the cortical visual system. NeuroImage, 2016, 134, 685-702.	2.1	102
24	How the prefrontal executive got its stripes. Current Opinion in Neurobiology, 2016, 40, 125-134.	2.0	77
25	The intercalated nuclear complex of the primate amygdala. Neuroscience, 2016, 330, 267-290.	1.1	42
26	The Emotional Gatekeeper: A Computational Model of Attentional Selection and Suppression through the Pathway from the Amygdala to the Inhibitory Thalamic Reticular Nucleus. PLoS Computational Biology, 2016, 12, e1004722.	1.5	40
27	Frontal Cortex. , 2016, , 1421-1467.		0
28	Motor cortex layer 4: less is more. Trends in Neurosciences, 2015, 38, 259-261.	4.2	73
29	General Cortical and Special Prefrontal Connections: Principles from Structure to Function. Annual Review of Neuroscience, 2015, 38, 269-289.	5.0	328
30	Pathways for Emotions: Specializations in the Amygdalar, Mediodorsal Thalamic, and Posterior Orbitofrontal Network. Journal of Neuroscience, 2015, 35, 11976-11987.	1.7	82
31	Specialized prefrontal Ã¢â‚¬Å“auditory fieldsÃ¢â‚¬Â• organization of primate prefrontal-temporal pathways. Frontiers in Neuroscience, 2014, 8, 77.	1.4	81
32	Specialized Pathways from the Primate Amygdala to Posterior Orbitofrontal Cortex. Journal of Neuroscience, 2014, 34, 8106-8118.	1.7	44
33	Area 4 has layer <scp>IV</scp> in adult primates. European Journal of Neuroscience, 2014, 39, 1824-1834.	1.2	69
34	Toward Patient-Specific Targeting and Parameter Setting of Deep Brain Stimulation for Relief of Depression. Biological Psychiatry, 2014, 76, 914-916.	0.7	1
35	A direct anterior cingulate pathway to the primate primary olfactory cortex may control attention to olfaction. Brain Structure and Function, 2014, 219, 1735-1754.	1.2	23
36	Parallel prefrontal pathways reach distinct excitatory and inhibitory systems in memoryâ€related rhinal cortices. Journal of Comparative Neurology, 2013, 521, 4260-4283.	0.9	41

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37	Frontal Cortex. , 2013, , 1289-1334.		2
38	Frontal-thalamic circuits associated with language. Brain and Language, 2013, 126, 49-61.	0.8	80
39	Anatomy and computational modeling of networks underlying cognitive-emotional interaction. Frontiers in Human Neuroscience, 2013, 7, 101.	1.0	56
40	Altered neural connectivity in excitatory and inhibitory cortical circuits in autism. Frontiers in Human Neuroscience, 2013, 7, 609.	1.0	235
41	Prefrontal Pathways that Control Attention. , 2013, , 31-48.		10
42	The Anterior Cingulate Cortex May Enhance Inhibition of Lateral Prefrontal Cortex Via m2 Cholinergic Receptors at Dual Synaptic Sites. Journal of Neuroscience, 2012, 32, 15611-15625.	1.7	45
43	Pathways for Emotions and Attention Converge on the Thalamic Reticular Nucleus in Primates. Journal of Neuroscience, 2012, 32, 5338-5350.	1.7	179
44	Sensory Pathways and Emotional Context for Action in Primate Prefrontal Cortex. Biological Psychiatry, 2011, 69, 1133-1139.	0.7	112
45	Prefrontal pathways target excitatory and inhibitory systems in memory-related medial temporal cortices. NeuroImage, 2011, 55, 1461-1474.	2.1	32
46	Effects of normal aging on prefrontal area 46 in the rhesus monkey. Brain Research Reviews, 2010, 62, 212-232.	9.1	79
47	Anterior Cingulate Synapses in Prefrontal Areas 10 and 46 Suggest Differential Influence in Cognitive Control. Journal of Neuroscience, 2010, 30, 16068-16081.	1.7	97
48	Changes in Prefrontal Axons May Disrupt the Network in Autism. Journal of Neuroscience, 2010, 30, 14595-14609.	1.7	306
49	Are there tenÂtimes more glia than neurons in the brain?. Brain Structure and Function, 2009, 213, 365-366.	1.2	71
50	Synapses with Inhibitory Neurons Differentiate Anterior Cingulate from Dorsolateral Prefrontal Pathways Associated with Cognitive Control. Neuron, 2009, 61, 609-620.	3.8	134
51	Sequence of information processing for emotions through pathways linking temporal and insular cortices with the amygdala. NeuroImage, 2008, 40, 1016-1033.	2.1	123
52	The Prefrontal Cortex and Flexible Behavior. Neuroscientist, 2007, 13, 532-545.	2.6	145
53	Circuits for Multisensory Integration and Attentional Modulation Through the Prefrontal Cortex and the Thalamic Reticular Nucleus in Primates. Reviews in the Neurosciences, 2007, 18, 417-38.	1.4	119
54	Parallel Driving and Modulatory Pathways Link the Prefrontal Cortex and Thalamus. PLoS ONE, 2007, 2, e848.	1.1	99

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55	Flow of information for emotions through temporal and orbitofrontal pathways. Journal of Anatomy, 2007, 211, 237-249.	0.9	154
56	Specialized Elements of Orbitofrontal Cortex in Primates. Annals of the New York Academy of Sciences, 2007, 1121, 10-32.	1.8	112
57	Role of Mechanical Factors in the Morphology of the Primate Cerebral Cortex. PLoS Computational Biology, 2006, 2, e22.	1.5	271
58	Synaptic Distinction of Laminar-specific Prefrontal-temporal Pathways in Primates. Cerebral Cortex, 2006, 16, 865-875.	1.6	48
59	Prefrontal Projections to the Thalamic Reticular Nucleus form a Unique Circuit for Attentional Mechanisms. Journal of Neuroscience, 2006, 26, 7348-7361.	1.7	297
60	Sequential and parallel circuits for emotional processing in primate orbitofrontal cortex. , 2006, , 57-92.		25
61	Parallel organization of contralateral and ipsilateral prefrontal cortical projections in the rhesus monkey. BMC Neuroscience, 2005, 6, 32.	0.8	84
62	Dead Tissue, Living Ideas: Facts and Theory from Neuroanatomy. Cortex, 2004, 40, 205-206.	1.1	8
63	Circuits through prefrontal cortex, basal ganglia, and ventral anterior nucleus map pathways beyond motor control. Thalamus & Related Systems, 2004, 2, 325.	0.5	13
64	Serial pathways from primate prefrontal cortex to autonomic areas may influence emotional expression. BMC Neuroscience, 2003, 4, 25.	0.8	296
65	Classes and gradients of prefrontal cortical organization in the primate. Neurocomputing, 2002, 44-46, 823-829.	3.5	4
66	The Laminar Pattern of Connections between Prefrontal and Anterior Temporal Cortices in the Rhesus Monkey is Related to Cortical Structure and Function. Cerebral Cortex, 2000, 10, 851-865.	1.6	180
67	Connections underlying the synthesis of cognition, memory, and emotion in primate prefrontal cortices. Brain Research Bulletin, 2000, 52, 319-330.	1.4	630
68	Topographically specific hippocampal projections target functionally distinct prefrontal areas in the rhesus monkey. Hippocampus, 1995, 5, 511-533.	0.9	389
69	Architecture and connections of the premotor areas in the rhesus monkey. Behavioral and Brain Sciences, 1985, 8, 595-596.	0.4	7
70	Chondroitin Sulphate Proteoglycan Axonal Coats in the Human Mediodorsal Thalamic Nucleus. Frontiers in Integrative Neuroscience, 0, 16, .	1.0	2