Henry Kennedy

List of Publications by Year
in descending order

130 papers	15,469 citations	26630 56 h-index	21540 114 g-index
148 all docs	148 docs citations	148 times ranked	10599 citing authors

#	Article	IF	Citations
1	Visual Areas Exert Feedforward and Feedback Influences through Distinct Frequency Channels. Neuron, 2015, 85, 390-401.	8.1	1,036
2	Anatomical Evidence of Multimodal Integration in Primate Striate Cortex. Journal of Neuroscience, 2002, 22, 5749-5759.	3.6	818
3	A Weighted and Directed Interareal Connectivity Matrix for Macaque Cerebral Cortex. Cerebral Cortex, 2014, 24, 17-36.	2.9	711
4	Anatomy of hierarchy: Feedforward and feedback pathways in macaque visual cortex. Journal of Comparative Neurology, 2014, 522, 225-259.	1.6	589
5	Unique Morphological Features of the Proliferative Zones and Postmitotic Compartments of the Neural Epithelium Giving Rise to Striate and Extrastriate Cortex in the Monkey. Cerebral Cortex, 2002, 12, 37-53.	2.9	587
6	Cell-cycle control and cortical development. Nature Reviews Neuroscience, 2007, 8, 438-450.	10.2	586
7	Alpha-Beta and Gamma Rhythms Subserve Feedback and Feedforward Influences among Human Visual Cortical Areas. Neuron, 2016, 89, 384-397.	8.1	582
8	A Large-Scale Circuit Mechanism for Hierarchical Dynamical Processing in the Primate Cortex. Neuron, 2015, 88, 419-431.	8.1	474
9	Cortical High-Density Counterstream Architectures. Science, 2013, 342, 1238406.	12.6	468
10	Precursor Diversity and Complexity of Lineage Relationships in the Outer Subventricular Zone of the Primate. Neuron, 2013, 80, 442-457.	8.1	397
11	A Predictive Network Model of Cerebral Cortical Connectivity Based on a Distance Rule. Neuron, 2013, 80, 184-197.	8.1	372
12	Using Diffusion Tractography to Predict Cortical Connection Strength and Distance: A Quantitative Comparison with Tracers in the Monkey. Journal of Neuroscience, 2016, 36, 6758-6770.	3.6	318
13	Weight Consistency Specifies Regularities of Macaque Cortical Networks. Cerebral Cortex, 2011, 21, 1254-1272.	2.9	316
14	G1 Phase Regulation, Area-Specific Cell Cycle Control, and Cytoarchitectonics in the Primate Cortex. Neuron, 2005, 47, 353-364.	8.1	301
15	Two Cortical Systems for Reaching in Central and Peripheral Vision. Neuron, 2005, 48, 849-858.	8.1	287
16	The Outer Subventricular Zone and Primate-Specific Cortical Complexification. Neuron, 2015, 85, 683-694.	8.1	266
17	A double-labeling investigation of the afferent connectivity to cortical areas V1 and V2 of the macaque monkey. Journal of Neuroscience, 1985, 5, 2815-2830.	3.6	263
18	Laminar Distribution of Neurons in Extrastriate Areas Projecting to Visual Areas V1 and V4 Correlates with the Hierarchical Rank and Indicates the Operation of a Distance Rule. Journal of Neuroscience, 2000, 20, 3263-3281.	3.6	263

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19	Making bigger brainsâ€"the evolution of neural-progenitor-cell division. Journal of Cell Science, 2008, 121, 2783-2793.	2.0	250
20	Comparative aspects of cerebral cortical development. European Journal of Neuroscience, 2006, 23, 921-934.	2.6	237
21	Long-distance feedback projections to area V1: Implications for multisensory integration, spatial awareness, and visual consciousness. Cognitive, Affective and Behavioral Neuroscience, 2004, 4, 117-126.	2.0	215
22	Forced G1-phase reduction alters mode of division, neuron number, and laminar phenotype in the cerebral cortex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21924-21929.	7.1	215
23	The development of cortical connections. European Journal of Neuroscience, 2006, 23, 910-920.	2.6	187
24	Modulation of the cell cycle contributes to the parcellation of the primate visual cortex. Nature, 1993, 366, 464-466.	27.8	180
25	Cell-Cycle Kinetics of Neocortical Precursors Are Influenced by Embryonic Thalamic Axons. Journal of Neuroscience, 2001, 21, 201-214.	3.6	180
26	The role of long-range connections on the specificity of the macaque interareal cortical network. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5187-5192.	7.1	172
27	The importance of being hierarchical. Current Opinion in Neurobiology, 2013, 23, 187-194.	4.2	170
28	The Mouse Cortical Connectome, Characterized by an Ultra-Dense Cortical Graph, Maintains Specificity by Distinct Connectivity Profiles. Neuron, 2018, 97, 698-715.e10.	8.1	169
29	Spatial Embedding and Wiring Cost Constrain the Functional Layout of the Cortical Network of Rodents and Primates. PLoS Biology, 2016, 14, e1002512.	5.6	158
30	Feedforward and feedback frequency-dependent interactions in a large-scale laminar network of the primate cortex. Science Advances, 2016, 2, e1601335.	10.3	158
31	Topography of the afferent connectivity of area 17 in the macaque monkey: A double-labelling study. Journal of Comparative Neurology, 1986, 253, 374-402.	1.6	155
32	Contrasting Effects of Basic Fibroblast Growth Factor and Neurotrophin 3 on Cell Cycle Kinetics of Mouse Cortical Stem Cells. Journal of Neuroscience, 2002, 22, 6610-6622.	3.6	141
33	Contribution of thalamic input to the specification of cytoarchitectonic cortical fields in the primate: Effects of bilateral enucleation in the fetal monkey on the boundaries, dimensions, and gyrification of striate and extrastriate cortex. Journal of Comparative Neurology, 1996, 367, 70-89.	1.6	138
34	Maturation and connectivity of the visual cortex in monkey is altered by prenatal removal of retinal input. Nature, 1989, 337, 265-267.	27.8	137
35	Branching and laminar origin of projections between visual cortical areas in the cat. Journal of Comparative Neurology, 1984, 228, 329-341.	1.6	131
36	Absence of interhemispheric connections of area 17 during development in the monkey. Nature, 1988, 331, 348-350.	27.8	131

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37	Cerebral cortical folding, parcellation, and connectivity in humans, nonhuman primates, and mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26173-26180.	7.1	130
38	Organization of the callosal connections of visual areas v1 and v2 in the macaque monkey. Journal of Comparative Neurology, 1986, 247, 398-415.	1.6	113
39	The influence of eccentricity on receptive field types and orientation selectivity in areas 17 and 18 of the cat. Brain Research, 1981, 208, 203-208.	2.2	112
40	The timetable of laminar neurogenesis contributes to the specification of cortical areas in mouse isocortex. Journal of Comparative Neurology, 1997, 385, 95-116.	1.6	107
41	Early Specification of the Hierarchical Organization of Visual Cortical Areas in the Macaque Monkey. Cerebral Cortex, 2002, 12, 453-465.	2.9	106
42	Cortical Specification of Mice and Men. Cerebral Cortex, 1993, 3, 171-186.	2.9	104
43	Regulation of Neuroblast Cell-Cycle Kinetics Plays a Crucial Role in the Generation of Unique Features of Neocortical Areas. Journal of Neuroscience, 1997, 17, 7763-7783.	3.6	101
44	Corollary discharge: Its possible implications in visual and oculomotor interactions. Neuropsychologia, 1979, 17, 241-258.	1.6	97
45	Pathways of Attention: Synaptic Relationships of Frontal Eye Field to V4, Lateral Intraparietal Cortex, and Area 46 in Macaque Monkey. Journal of Neuroscience, 2011, 31, 10872-10881.	3.6	95
46	Bifurcation of subcortical afferents to visual areas 17, 18, and 19 in the cat cortex. Journal of Comparative Neurology, 1984, 228, 309-328.	1.6	94
47	Characterization of transient cortical projections from auditory, somatosensory, and motor cortices to visual areas 17, 18, and 19 in the kitten. Journal of Comparative Neurology, 1988, 272, 68-89.	1.6	94
48	Spatial embedding of structural similarity in the cerebral cortex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16580-16585.	7.1	93
49	Accelerating the Evolution of Nonhuman Primate Neuroimaging. Neuron, 2020, 105, 600-603.	8.1	92
50	Developmental Remodeling of Primate Visual Cortical Pathways. Cerebral Cortex, 1995, 5, 22-38.	2.9	75
51	Visuotopic organization of corticocortical connections in the visual system of the cat. Journal of Comparative Neurology, 1992, 320, 415-434.	1.6	72
52	Towards HCP-Style macaque connectomes: 24-Channel 3T multi-array coil, MRI sequences and preprocessing. NeuroImage, 2020, 215, 116800.	4.2	67
53	Brain structure and dynamics across scales: in search of rules. Current Opinion in Neurobiology, 2016, 37, 92-98.	4.2	66
54	Anatomical evidence of a third ascending vestibular pathway involving the ventral lateral geniculate nucleus and the intralaminar nuclei of the cat. Brain Research, 1979, 171, 523-529.	2.2	63

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55	Transient projection from the superior temporal sulcus to area 17 in the newborn macaque monkey.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 8093-8097.	7.1	63
56	The effects of bilateral enucleation in the primate fetus on the parcellation of visual cortex. Developmental Brain Research, 1991, 62, 137-141.	1.7	63
57	Neurogenesis and Commitment of Corticospinal Neurons in<i>reeler</i>. Journal of Neuroscience, 1998, 18, 9910-9923.	3.6	62
58	Quantitative Analysis of Connectivity in the Visual Cortex: Extracting Function from Structure. Neuroscientist, 2004, 10, 476-482.	3.5	61
59	Alteration of Daily and Circadian Rhythms following Dopamine Depletion in MPTP Treated Non-Human Primates. PLoS ONE, 2014, 9, e86240.	2.5	61
60	Convergence and divergence in the afferent projections to cat area 17. Journal of Comparative Neurology, 1989, 283, 486-512.	1.6	60
61	Brain rhythms define distinct interaction networks with differential dependence on anatomy. Neuron, 2021, 109, 3862-3878.e5.	8.1	60
62	Role of directed growth and target selection in the formation of cortical pathways: Prenatal development of the projection of area V2 to area V4 in the monkey. , 1996, 374, 1-20.		59
63	The nonhuman primate neuroimaging and neuroanatomy project. NeuroImage, 2021, 229, 117726.	4.2	57
64	Receptive field properties of neurones in visual area 1 and visual area 2 in the baboon. Neuroscience, 1985, 14, 405-415.	2.3	56
65	Topography of developing thalamic and cortical pathways in the visual system of the cat. Journal of Comparative Neurology, 1994, 348, 298-319.	1.6	56
66	Cortical hierarchy, dual counterstream architecture and the importance of top-down generative networks. NeuroImage, 2021, 225, 117479.	4.2	54
67	Callosal connectivity of areas V1 and V2 in the newborn monkey. Journal of Comparative Neurology, 1986, 254, 20-33.	1.6	49
68	Transient cortical pathways in the pyramidal tract of the neonatal ferret. Journal of Comparative Neurology, 1993, 338, 193-213.	1.6	48
69	How Humans Reach: Distinct Cortical Systems for Central and Peripheral Vision. Neuroscientist, 2007, 13, 22-27.	3.5	48
70	A dopamine gradient controls access to distributed working memory in the large-scale monkey cortex. Neuron, 2021, 109, 3500-3520.e13.	8.1	48
71	Area-specific laminar distribution of cortical feedback neurons projecting to cat area 17: Quantitative analysis in the adult and during ontogeny. , 1998, 396, 493-510.		46
72	Pre- and Post-mitotic Events Contribute to the Progressive Acquisition of Area-specific Connectional Fate in the Neocortex. Cerebral Cortex, 2001, 11, 1027-1039.	2.9	46

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73	Rare long-range cortical connections enhance human information processing. Current Biology, 2021, 31, 4436-4448.e5.	3.9	46
74	The Concerted Modulation of Proliferation and Migration Contributes to the Specification of the Cytoarchitecture and Dimensions of Cortical Areas. Cerebral Cortex, 2006, 16, i26-i34.	2.9	45
75	Early Presymptomatic and Long-Term Changes of Rest Activity Cycles and Cognitive Behavior in a MPTP-Monkey Model of Parkinson's Disease. PLoS ONE, 2011, 6, e23952.	2.5	45
76	Derivation and Cloning of a Novel Rhesus Embryonic Stem Cell Line Stably Expressing Tau-Green Fluorescent Protein. Stem Cells, 2008, 26, 1444-1453.	3.2	43
77	Why data coherence and quality is critical for understanding interareal cortical networks. NeuroImage, 2013, 80, 37-45.	4.2	40
78	Axonal bifurcation in the visual system. Trends in Neurosciences, 1987, 10, 205-210.	8.6	39
79	Functional implications of the anatomical organization of the callosal projections of visual areas V1 and V2 in the macaque monkey. Behavioural Brain Research, 1988, 29, 225-236.	2.2	37
80	Non-uniformity of Neocortex: Areal Heterogeneity of NADPH-diaphorase Reactive Neurons in Adult Macaque Monkeys. Cerebral Cortex, 2000, 10, 160-174.	2.9	37
81	Effects of stroboscopic rearing on the binocularity and directionality of cat superior colliculus neurons. Brain Research, 1976, 101, 576-581.	2.2	34
82	Phenotypic characterisation of respecified visual cortex subsequent to prenatal enucleation in the monkey: Development of acetylcholinesterase and cytochrome oxidase patterns. , 1996, 376, 386-402.		32
83	The maturational status of thalamocortical and callosal connections of visual areas V1 and V2 in the newborn monkey. Behavioural Brain Research, 1988, 29, 237-244.	2.2	26
84	Early and Rapid Targeting of Eye-Specific Axonal Projections to the Dorsal Lateral Geniculate Nucleus in the Fetal Macaque. Journal of Neuroscience, 2005, 25, 4014-4023.	3.6	26
85	Hierarchical and nonhierarchical features of the mouse visual cortical network. Nature Communications, 2022, 13, 503.	12.8	25
86	Experimental myopia in cats reared in stroboscopic illumination. Vision Research, 1989, 29, 1033-1036.	1.4	24
87	Spatial reciprocity of connections between areas 17 and 18 in the cat. Canadian Journal of Physiology and Pharmacology, 1995, 73, 1339-1347.	1.4	24
88	How Areal Specification Shapes the Local and Interareal Circuits in a Macaque Model of Congenital Blindness. Cerebral Cortex, 2018, 28, 3017-3034.	2.9	24
89	Thalamic projections to area 17 in a prosimian primate,Microcebus murinus. Journal of Comparative Neurology, 1979, 187, 145-167.	1.6	23
90	Self-organization and interareal networks in the primate cortex. Progress in Brain Research, 2012, 195, 341-360.	1.4	23

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91	Subtype-Specific Genes that Characterize Subpopulations of Callosal Projection Neurons in Mouse Identify Molecularly Homologous Populations in Macaque Cortex. Cerebral Cortex, 2017, 27, 1817-1830.	2.9	23
92	A double-labeling investigation of the pretectal visuo-vestibular pathways. Visual Neuroscience, 1989, 3, 53-58.	1.0	22
93	Prenatal Development of Retinogeniculate Axons in the Macaque Monkey during Segregation of Binocular Inputs. Journal of Neuroscience, 1999, 19, 220-228.	3.6	21
94	Unsupervised lineageâ€based characterization of primate precursors reveals high proliferative and morphological diversity in the OSVZ. Journal of Comparative Neurology, 2016, 524, 535-563.	1.6	18
95	Forced Expression of LIM Homeodomain Transcription Factor 1b Enhances Differentiation of Mouse Embryonic Stem Cells into Serotonergic Neurons. Stem Cells and Development, 2011, 20, 301-311.	2.1	17
96	Receptive field characteristics of neurones in striate cortex of newborn lambs and adult sheep. Neuroscience, 1983, 10, 295-300.	2.3	16
97	Developmental changes in the distribution of acetylcholinesterase in the extrastriate visual cortex of the monkey. Developmental Brain Research, 1994, 77, 290-294.	1.7	15
98	Increased DAT binding in the early stage of the dopaminergic lesion: A longitudinal [11C]PE2I binding study in the MPTP-monkey. NeuroImage, 2014, 102, 249-261.	4.2	15
99	Velocity sensitivity of areas 17 and 18 of the cat. Acta Psychologica, 1981, 48, 303-309.	1.5	14
100	Transcriptional Regulation and Alternative Splicing Make for Better Brains. Neuron, 2009, 62, 455-457.	8.1	14
101	Radial Migration Dynamics Is Modulated in a Laminar and Area-Specific Manner During Primate Corticogenesis. Frontiers in Cell and Developmental Biology, 2020, 8, 588814.	3.7	14
102	Vestibulo-ocular reflex and optokinetic nystagmus in adult cats reared in stroboscopic illumination. Experimental Brain Research, 1982, 48, 279-87.	1.5	13
103	Striate cortex periodicity. Nature, 1990, 348, 494-494.	27.8	13
104	Architectonic features and relative locations of primary sensory and related areas of neocortex in mouse lemurs. Journal of Comparative Neurology, 2019, 527, 625-639.	1.6	13
105	The Brain in Space. Research and Perspectives in Neurosciences, 2016, , 45-74.	0.4	13
106	Neural circuits for long-range color filling-in. NeuroImage, 2018, 181, 30-43.	4.2	11
107	Brain connectomes come of age. Current Opinion in Neurobiology, 2020, 65, 152-161.	4.2	11
108	Selfâ€Organization and Pattern Formation in Primate Cortical Networks. Novartis Foundation Symposium, 2008, 288, 178-198.	1.1	11

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109	Optokinetic response and visual suppression of the vestibuloâ€"ocular reflex in the open loop condition in the cat. Vision Research, 1986, 26, 653-660.	1.4	10
110	Incidence of visual cortical neurons which have axon collaterals projecting to both cerebral hemispheres during prenatal primate development. Developmental Brain Research, 1990, 56, 123-126.	1.7	10
111	Types of synapses contacting the soma of corticotectal cells in the visual cortex of the cat. Neuroscience, 1982, 7, 2159-2163.	2.3	9
112	The logistics of afferent cortical specification in mice and men. Seminars in Cell and Developmental Biology, 2018, 76, 112-119.	5.0	9
113	Influence of eccentricity on velocity characteristics of area 18 neurones in the cat. Brain Research, 1978, 159, 391-395.	2.2	8
114	Afferent visual pathways and receptive field properties of superior colliculus neurons in stroboscopically reared cats. Neuroscience Letters, 1980, 19, 283-288.	2.1	8
115	Evolution of the human brain. Science, 2020, 369, 506-507.	12.6	8
116	Induced Cognitive Impairments Reversed by Grafts of Neural Precursors: A Longitudinal Study in a Macaque Model of Parkinson's Disease. Advanced Science, 2022, 9, e2103827.	11.2	7
117	Receptive field response of LGB neurons during vestibular stimulation in awake cats. Vision Research, 1976, 16, 119-120.	1.4	6
118	Refinement of the Primate Corticospinal Pathway During Prenatal Development. Cerebral Cortex, 2020, 30, 656-671.	2.9	6
119	The sensory thalamus and visual midbrain in mouse lemurs. Journal of Comparative Neurology, 2019, 527, 2599-2611.	1.6	5
120	The Role of Unimodal Feedback Pathways in Gender Perception During Activation of Voice and Face Areas. Frontiers in Systems Neuroscience, 2021, 15, 669256.	2.5	5
121	Determinants of primate neurogenesis and the deployment of top-down generative networks in the cortical hierarchy. Current Opinion in Neurobiology, 2021, 66, 69-76.	4.2	4
122	From mouse to manâ€"a bridge too far?. National Science Review, 2020, 7, 1258-1259.	9.5	4
123	Binocular competition does not regulate retinogeniculate arbor size in fetal monkey. Journal of Comparative Neurology, 2000, 427, 362-369.	1.6	3
124	Bridging the Gap between Mechanics and Genetics in Cortical Folding: ECM as a Major Driving Force. Neuron, 2018, 99, 625-627.	8.1	3
125	Unique Features of Subcortical Circuits in a Macaque Model of Congenital Blindness. Cerebral Cortex, 2020, 30, 1407-1421.	2.9	3
126	Cortical development: A progressive and selective mesh, with or without constructivism. Behavioral and Brain Sciences, 1997, 20, 570-571.	0.7	2

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127	Control Mechanisms of Primate Corticogenesis. , 1993, , 13-27.		2
128	Treating monocularly deprived lambs with 4-aminopyridine produces rapid changes in ocular dominance only after short periods of deprivation. Experimental Brain Research, 1982, 47, 313-6.	1.5	1
129	Ontogeny of Visual Callosal Projections in Primates. Advances in Behavioral Biology, 1995, , 49-57.	0.2	0
130	A spatially embedded cortical connectome reveals complex transformations. Neuron, 2022, 110, 185-187.	8.1	0