

# Henry Kennedy

## List of Publications by Year in descending order

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130  
papers

15,469  
citations

28190

55  
h-index

22102

113  
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148  
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148  
docs citations

148  
times ranked

10599  
citing authors

#	ARTICLE	IF	CITATIONS
1	A spatially embedded cortical connectome reveals complex transformations. <i>Neuron</i> , 2022, 110, 185-187.	3.8	0
2	Hierarchical and nonhierarchical features of the mouse visual cortical network. <i>Nature Communications</i> , 2022, 13, 503.	5.8	25
3	Induced Cognitive Impairments Reversed by Grafts of Neural Precursors: A Longitudinal Study in a Macaque Model of Parkinson's Disease. <i>Advanced Science</i> , 2022, 9, e2103827.	5.6	7
4	Determinants of primate neurogenesis and the deployment of top-down generative networks in the cortical hierarchy. <i>Current Opinion in Neurobiology</i> , 2021, 66, 69-76.	2.0	4
5	Cortical hierarchy, dual counterstream architecture and the importance of top-down generative networks. <i>NeuroImage</i> , 2021, 225, 117479.	2.1	54
6	The nonhuman primate neuroimaging and neuroanatomy project. <i>NeuroImage</i> , 2021, 229, 117726.	2.1	57
7	The Role of Unimodal Feedback Pathways in Gender Perception During Activation of Voice and Face Areas. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 669256.	1.2	5
8	Rare long-range cortical connections enhance human information processing. <i>Current Biology</i> , 2021, 31, 4436-4448.e5.	1.8	46
9	A dopamine gradient controls access to distributed working memory in the large-scale monkey cortex. <i>Neuron</i> , 2021, 109, 3500-3520.e13.	3.8	48
10	Brain rhythms define distinct interaction networks with differential dependence on anatomy. <i>Neuron</i> , 2021, 109, 3862-3878.e5.	3.8	60
11	Refinement of the Primate Corticospinal Pathway During Prenatal Development. <i>Cerebral Cortex</i> , 2020, 30, 656-671.	1.6	6
12	Unique Features of Subcortical Circuits in a Macaque Model of Congenital Blindness. <i>Cerebral Cortex</i> , 2020, 30, 1407-1421.	1.6	3
13	Brain connectomes come of age. <i>Current Opinion in Neurobiology</i> , 2020, 65, 152-161.	2.0	11
14	Evolution of the human brain. <i>Science</i> , 2020, 369, 506-507.	6.0	8
15	Radial Migration Dynamics Is Modulated in a Laminar and Area-Specific Manner During Primate Corticogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 588814.	1.8	14
16	Towards HCP-Style macaque connectomes: 24-Channel 3T multi-array coil, MRI sequences and preprocessing. <i>NeuroImage</i> , 2020, 215, 116800.	2.1	67
17	Accelerating the Evolution of Nonhuman Primate Neuroimaging. <i>Neuron</i> , 2020, 105, 600-603.	3.8	92
18	From mouse to man—a bridge too far?. <i>National Science Review</i> , 2020, 7, 1258-1259.	4.6	4

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19	The sensory thalamus and visual midbrain in mouse lemurs. <i>Journal of Comparative Neurology</i> , 2019, 527, 2599-2611.	0.9	5
20	Cerebral cortical folding, parcellation, and connectivity in humans, nonhuman primates, and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26173-26180.	3.3	130
21	Architectonic features and relative locations of primary sensory and related areas of neocortex in mouse lemurs. <i>Journal of Comparative Neurology</i> , 2019, 527, 625-639.	0.9	13
22	The Mouse Cortical Connectome, Characterized by an Ultra-Dense Cortical Graph, Maintains Specificity by Distinct Connectivity Profiles. <i>Neuron</i> , 2018, 97, 698-715.e10.	3.8	169
23	The logistics of afferent cortical specification in mice and men. <i>Seminars in Cell and Developmental Biology</i> , 2018, 76, 112-119.	2.3	9
24	Neural circuits for long-range color filling-in. <i>NeuroImage</i> , 2018, 181, 30-43.	2.1	11
25	How Areal Specification Shapes the Local and Interareal Circuits in a Macaque Model of Congenital Blindness. <i>Cerebral Cortex</i> , 2018, 28, 3017-3034.	1.6	24
26	Bridging the Gap between Mechanics and Genetics in Cortical Folding: ECM as a Major Driving Force. <i>Neuron</i> , 2018, 99, 625-627.	3.8	3
27	Subtype-Specific Genes that Characterize Subpopulations of Callosal Projection Neurons in Mouse Identify Molecularly Homologous Populations in Macaque Cortex. <i>Cerebral Cortex</i> , 2017, 27, 1817-1830.	1.6	23
28	Spatial Embedding and Wiring Cost Constrain the Functional Layout of the Cortical Network of Rodents and Primates. <i>PLoS Biology</i> , 2016, 14, e1002512.	2.6	158
29	Unsupervised lineage-based characterization of primate precursors reveals high proliferative and morphological diversity in the OSVZ. <i>Journal of Comparative Neurology</i> , 2016, 524, 535-563.	0.9	18
30	Feedforward and feedback frequency-dependent interactions in a large-scale laminar network of the primate cortex. <i>Science Advances</i> , 2016, 2, e1601335.	4.7	158
31	Using Diffusion Tractography to Predict Cortical Connection Strength and Distance: A Quantitative Comparison with Tracers in the Monkey. <i>Journal of Neuroscience</i> , 2016, 36, 6758-6770.	1.7	318
32	Alpha-Beta and Gamma Rhythms Subserve Feedback and Feedforward Influences among Human Visual Cortical Areas. <i>Neuron</i> , 2016, 89, 384-397.	3.8	582
33	Brain structure and dynamics across scales: in search of rules. <i>Current Opinion in Neurobiology</i> , 2016, 37, 92-98.	2.0	66
34	The Brain in Space. <i>Research and Perspectives in Neurosciences</i> , 2016, , 45-74.	0.4	13
35	Visual Areas Exert Feedforward and Feedback Influences through Distinct Frequency Channels. <i>Neuron</i> , 2015, 85, 390-401.	3.8	1,036
36	The Outer Subventricular Zone and Primate-Specific Cortical Complexification. <i>Neuron</i> , 2015, 85, 683-694.	3.8	266

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37	A Large-Scale Circuit Mechanism for Hierarchical Dynamical Processing in the Primate Cortex. <i>Neuron</i> , 2015, 88, 419-431.	3.8	474
38	Alteration of Daily and Circadian Rhythms following Dopamine Depletion in MPTP Treated Non-Human Primates. <i>PLoS ONE</i> , 2014, 9, e86240.	1.1	61
39	A Weighted and Directed Interareal Connectivity Matrix for Macaque Cerebral Cortex. <i>Cerebral Cortex</i> , 2014, 24, 17-36.	1.6	711
40	Anatomy of hierarchy: Feedforward and feedback pathways in macaque visual cortex. <i>Journal of Comparative Neurology</i> , 2014, 522, 225-259.	0.9	589
41	Spatial embedding of structural similarity in the cerebral cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16580-16585.	3.3	93
42	Increased DAT binding in the early stage of the dopaminergic lesion: A longitudinal [ <sup>11</sup> C]PE2I binding study in the MPTP-monkey. <i>NeuroImage</i> , 2014, 102, 249-261.	2.1	15
43	Cortical High-Density Counterstream Architectures. <i>Science</i> , 2013, 342, 1238406.	6.0	468
44	Precursor Diversity and Complexity of Lineage Relationships in the Outer Subventricular Zone of the Primate. <i>Neuron</i> , 2013, 80, 442-457.	3.8	397
45	A Predictive Network Model of Cerebral Cortical Connectivity Based on a Distance Rule. <i>Neuron</i> , 2013, 80, 184-197.	3.8	372
46	The role of long-range connections on the specificity of the macaque interareal cortical network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5187-5192.	3.3	172
47	The importance of being hierarchical. <i>Current Opinion in Neurobiology</i> , 2013, 23, 187-194.	2.0	170
48	Why data coherence and quality is critical for understanding interareal cortical networks. <i>NeuroImage</i> , 2013, 80, 37-45.	2.1	40
49	Self-organization and interareal networks in the primate cortex. <i>Progress in Brain Research</i> , 2012, 195, 341-360.	0.9	23
50	Forced Expression of LIM Homeodomain Transcription Factor 1b Enhances Differentiation of Mouse Embryonic Stem Cells into Serotonergic Neurons. <i>Stem Cells and Development</i> , 2011, 20, 301-311.	1.1	17
51	Early Presymptomatic and Long-Term Changes of Rest Activity Cycles and Cognitive Behavior in a MPTP-Monkey Model of Parkinson's Disease. <i>PLoS ONE</i> , 2011, 6, e23952.	1.1	45
52	Pathways of Attention: Synaptic Relationships of Frontal Eye Field to V4, Lateral Intraparietal Cortex, and Area 46 in Macaque Monkey. <i>Journal of Neuroscience</i> , 2011, 31, 10872-10881.	1.7	95
53	Weight Consistency Specifies Regularities of Macaque Cortical Networks. <i>Cerebral Cortex</i> , 2011, 21, 1254-1272.	1.6	316
54	Forced G1-phase reduction alters mode of division, neuron number, and laminar phenotype in the cerebral cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21924-21929.	3.3	215

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55	Transcriptional Regulation and Alternative Splicing Make for Better Brains. <i>Neuron</i> , 2009, 62, 455-457.	3.8	14
56	Derivation and Cloning of a Novel Rhesus Embryonic Stem Cell Line Stably Expressing Tau-Green Fluorescent Protein. <i>Stem Cells</i> , 2008, 26, 1444-1453.	1.4	43
57	Making bigger brains—the evolution of neural-progenitor-cell division. <i>Journal of Cell Science</i> , 2008, 121, 2783-2793.	1.2	250
58	Self-Organization and Pattern Formation in Primate Cortical Networks. <i>Novartis Foundation Symposium</i> , 2008, 288, 178-198.	1.2	11
59	How Humans Reach: Distinct Cortical Systems for Central and Peripheral Vision. <i>Neuroscientist</i> , 2007, 13, 22-27.	2.6	48
60	Cell-cycle control and cortical development. <i>Nature Reviews Neuroscience</i> , 2007, 8, 438-450.	4.9	586
61	Comparative aspects of cerebral cortical development. <i>European Journal of Neuroscience</i> , 2006, 23, 921-934.	1.2	237
62	The development of cortical connections. <i>European Journal of Neuroscience</i> , 2006, 23, 910-920.	1.2	187
63	The Concerted Modulation of Proliferation and Migration Contributes to the Specification of the Cytoarchitecture and Dimensions of Cortical Areas. <i>Cerebral Cortex</i> , 2006, 16, i26-i34.	1.6	45
64	Early and Rapid Targeting of Eye-Specific Axonal Projections to the Dorsal Lateral Geniculate Nucleus in the Fetal Macaque. <i>Journal of Neuroscience</i> , 2005, 25, 4014-4023.	1.7	26
65	G1 Phase Regulation, Area-Specific Cell Cycle Control, and Cytoarchitectonics in the Primate Cortex. <i>Neuron</i> , 2005, 47, 353-364.	3.8	301
66	Two Cortical Systems for Reaching in Central and Peripheral Vision. <i>Neuron</i> , 2005, 48, 849-858.	3.8	287
67	Long-distance feedback projections to area V1: Implications for multisensory integration, spatial awareness, and visual consciousness. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2004, 4, 117-126.	1.0	215
68	Quantitative Analysis of Connectivity in the Visual Cortex: Extracting Function from Structure. <i>Neuroscientist</i> , 2004, 10, 476-482.	2.6	61
69	Unique Morphological Features of the Proliferative Zones and Postmitotic Compartments of the Neural Epithelium Giving Rise to Striate and Extrastriate Cortex in the Monkey. <i>Cerebral Cortex</i> , 2002, 12, 37-53.	1.6	587
70	Early Specification of the Hierarchical Organization of Visual Cortical Areas in the Macaque Monkey. <i>Cerebral Cortex</i> , 2002, 12, 453-465.	1.6	106
71	Contrasting Effects of Basic Fibroblast Growth Factor and Neurotrophin 3 on Cell Cycle Kinetics of Mouse Cortical Stem Cells. <i>Journal of Neuroscience</i> , 2002, 22, 6610-6622.	1.7	141
72	Anatomical Evidence of Multimodal Integration in Primate Striate Cortex. <i>Journal of Neuroscience</i> , 2002, 22, 5749-5759.	1.7	818

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73	Cell-Cycle Kinetics of Neocortical Precursors Are Influenced by Embryonic Thalamic Axons. <i>Journal of Neuroscience</i> , 2001, 21, 201-214.	1.7	180
74	Pre- and Post-mitotic Events Contribute to the Progressive Acquisition of Area-specific Connectional Fate in the Neocortex. <i>Cerebral Cortex</i> , 2001, 11, 1027-1039.	1.6	46
75	Binocular competition does not regulate retinogeniculate arbor size in fetal monkey. <i>Journal of Comparative Neurology</i> , 2000, 427, 362-369.	0.9	3
76	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. <i>Journal of Neuroscience</i> , 2000, 20, 3263-3281.	1.7	263
77	Non-uniformity of Neocortex: Areal Heterogeneity of NADPH-diaphorase Reactive Neurons in Adult Macaque Monkeys. <i>Cerebral Cortex</i> , 2000, 10, 160-174.	1.6	37
78	Prenatal Development of Retinogeniculate Axons in the Macaque Monkey during Segregation of Binocular Inputs. <i>Journal of Neuroscience</i> , 1999, 19, 220-228.	1.7	21
79	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
80	Neurogenesis and Commitment of Corticospinal Neurons in <i>reeler</i> . <i>Journal of Neuroscience</i> , 1998, 18, 9910-9923.	1.7	62
81	Cortical development: A progressive and selective mesh, with or without constructivism. <i>Behavioral and Brain Sciences</i> , 1997, 20, 570-571.	0.4	2
82	Regulation of Neuroblast Cell-Cycle Kinetics Plays a Crucial Role in the Generation of Unique Features of Neocortical Areas. <i>Journal of Neuroscience</i> , 1997, 17, 7763-7783.	1.7	101
83	The timetable of laminar neurogenesis contributes to the specification of cortical areas in mouse isocortex. , 1997, 385, 95-116.		107
84	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. , 1996, 367, 70-89.		138
85	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
86	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
87	Spatial reciprocity of connections between areas 17 and 18 in the cat. <i>Canadian Journal of Physiology and Pharmacology</i> , 1995, 73, 1339-1347.	0.7	24
88	Developmental Remodeling of Primate Visual Cortical Pathways. <i>Cerebral Cortex</i> , 1995, 5, 22-38.	1.6	75
89	Ontogeny of Visual Callosal Projections in Primates. <i>Advances in Behavioral Biology</i> , 1995, , 49-57.	0.2	0
90	Topography of developing thalamic and cortical pathways in the visual system of the cat. <i>Journal of Comparative Neurology</i> , 1994, 348, 298-319.	0.9	56

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91	Developmental changes in the distribution of acetylcholinesterase in the extrastriate visual cortex of the monkey. <i>Developmental Brain Research</i> , 1994, 77, 290-294.	2.1	15
92	Transient cortical pathways in the pyramidal tract of the neonatal ferret. <i>Journal of Comparative Neurology</i> , 1993, 338, 193-213.	0.9	48
93	Modulation of the cell cycle contributes to the parcellation of the primate visual cortex. <i>Nature</i> , 1993, 366, 464-466.	13.7	180
94	Cortical Specification of Mice and Men. <i>Cerebral Cortex</i> , 1993, 3, 171-186.	1.6	104
95	Control Mechanisms of Primate Corticogenesis. , 1993, , 13-27.		2
96	Visuotopic organization of corticocortical connections in the visual system of the cat. <i>Journal of Comparative Neurology</i> , 1992, 320, 415-434.	0.9	72
97	The effects of bilateral enucleation in the primate fetus on the parcellation of visual cortex. <i>Developmental Brain Research</i> , 1991, 62, 137-141.	2.1	63
98	Striate cortex periodicity. <i>Nature</i> , 1990, 348, 494-494.	13.7	13
99	Incidence of visual cortical neurons which have axon collaterals projecting to both cerebral hemispheres during prenatal primate development. <i>Developmental Brain Research</i> , 1990, 56, 123-126.	2.1	10
100	A double-labeling investigation of the pretectal visuo-vestibular pathways. <i>Visual Neuroscience</i> , 1989, 3, 53-58.	0.5	22
101	Convergence and divergence in the afferent projections to cat area 17. <i>Journal of Comparative Neurology</i> , 1989, 283, 486-512.	0.9	60
102	Maturation and connectivity of the visual cortex in monkey is altered by prenatal removal of retinal input. <i>Nature</i> , 1989, 337, 265-267.	13.7	137
103	Experimental myopia in cats reared in stroboscopic illumination. <i>Vision Research</i> , 1989, 29, 1033-1036.	0.7	24
104	Transient projection from the superior temporal sulcus to area 17 in the newborn macaque monkey.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 8093-8097.	3.3	63
105	Characterization of transient cortical projections from auditory, somatosensory, and motor cortices to visual areas 17, 18, and 19 in the kitten. <i>Journal of Comparative Neurology</i> , 1988, 272, 68-89.	0.9	94
106	Functional implications of the anatomical organization of the callosal projections of visual areas V1 and V2 in the macaque monkey. <i>Behavioural Brain Research</i> , 1988, 29, 225-236.	1.2	37
107	The maturational status of thalamocortical and callosal connections of visual areas V1 and V2 in the newborn monkey. <i>Behavioural Brain Research</i> , 1988, 29, 237-244.	1.2	26
108	Absence of interhemispheric connections of area 17 during development in the monkey. <i>Nature</i> , 1988, 331, 348-350.	13.7	131

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109	Axonal bifurcation in the visual system. Trends in Neurosciences, 1987, 10, 205-210.	4.2	39
110	Optokinetic response and visual suppression of the vestibulo-ocular reflex in the open loop condition in the cat. Vision Research, 1986, 26, 653-660.	0.7	10
111	Organization of the callosal connections of visual areas v1 and v2 in the macaque monkey. Journal of Comparative Neurology, 1986, 247, 398-415.	0.9	113
112	Topography of the afferent connectivity of area 17 in the macaque monkey: A double-labelling study. Journal of Comparative Neurology, 1986, 253, 374-402.	0.9	155
113	Callosal connectivity of areas V1 and V2 in the newborn monkey. Journal of Comparative Neurology, 1986, 254, 20-33.	0.9	49
114	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.	1.7	263
115	Receptive field properties of neurones in visual area 1 and visual area 2 in the baboon. Neuroscience, 1985, 14, 405-415.	1.1	56
116	Bifurcation of subcortical afferents to visual areas 17, 18, and 19 in the cat cortex. Journal of Comparative Neurology, 1984, 228, 309-328.	0.9	94
117	Branching and laminar origin of projections between visual cortical areas in the cat. Journal of Comparative Neurology, 1984, 228, 329-341.	0.9	131
118	Receptive field characteristics of neurones in striate cortex of newborn lambs and adult sheep. Neuroscience, 1983, 10, 295-300.	1.1	16
119	Types of synapses contacting the soma of corticotectal cells in the visual cortex of the cat. Neuroscience, 1982, 7, 2159-2163.	1.1	9
120	Vestibulo-ocular reflex and optokinetic nystagmus in adult cats reared in stroboscopic illumination. Experimental Brain Research, 1982, 48, 279-87.	0.7	13
121	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.	0.7	1
122	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.	1.1	112
123	Velocity sensitivity of areas 17 and 18 of the cat. Acta Psychologica, 1981, 48, 303-309.	0.7	14
124	Afferent visual pathways and receptive field properties of superior colliculus neurons in stroboscopically reared cats. Neuroscience Letters, 1980, 19, 283-288.	1.0	8
125	Thalamic projections to area 17 in a prosimian primate, <i>Microcebus murinus</i> . Journal of Comparative Neurology, 1979, 187, 145-167.	0.9	23
126	Corollary discharge: Its possible implications in visual and oculomotor interactions. Neuropsychologia, 1979, 17, 241-258.	0.7	97



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127	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.	1.1	63
128	Influence of eccentricity on velocity characteristics of area 18 neurones in the cat. Brain Research, 1978, 159, 391-395.	1.1	8
129	Effects of stroboscopic rearing on the binocularity and directionality of cat superior colliculus neurons. Brain Research, 1976, 101, 576-581.	1.1	34
130	Receptive field response of LGB neurons during vestibular stimulation in awake cats. Vision Research, 1976, 16, 119-120.	0.7	6