James K Rilling

List of Publications by Year
in descending order

100	16,903	24978	38300
papers	citations	57 h-index	95 g-index

103	103	103	13544
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perception of male and female infant cry aversiveness by adult men. Journal of Reproductive and Infant Psychology, 2022, 40, 76-90.	0.9	4
2	Scaling Principles of White Matter Connectivity in the Human and Nonhuman Primate Brain. Cerebral Cortex, 2022, 32, 2831-2842.	1.6	14
3	Exploring geneâ€culture coevolution in humans by inferring neuroendophenotypes: A case study of the oxytocin receptor gene and cultural tightness. Genes, Brain and Behavior, 2022, 21, e12783.	1.1	6
4	Comparative analyses of the Pan lineage reveal selection on gene pathways associated with diet and sociality in bonobos. Genes, Brain and Behavior, 2021, 20, e12715.	1.1	6
5	Genetic and epigenetic modulation of the oxytocin receptor and implications for autism. Neuropsychopharmacology, 2021, 46, 241-242.	2.8	7
6	The neural correlates of paternal consoling behavior and frustration in response to infant crying. Developmental Psychobiology, 2021, 63, 1370-1383.	0.9	5
7	In-vivo diffusion MRI protocol optimization for the chimpanzee brain and examination of aging effects on the primate optic nerve at 3T. Magnetic Resonance Imaging, 2021, 77, 194-203.	1.0	4
8	The role of oxytocin signaling in depression and suicidality in returning war veterans. Psychoneuroendocrinology, 2021, 126, 105085.	1.3	10
9	Distribution of brain oxytocin and vasopressin V1a receptors in chimpanzees (Pan troglodytes): comparison with humans and other primate species. Brain Structure and Function, 2021, , 1.	1.2	12
10	The neural correlates of grandmaternal caregiving. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211997.	1.2	2
11	OXTR methylation modulates exogenous oxytocin effects on human brain activity during social interaction. Genes, Brain and Behavior, 2020, 19, e12555.	1.1	19
12	Oxytocin and vasopressin modulation of prisonerâ€™s dilemma strategies. Journal of Psychopharmacology, 2020, 34, 891-900.	2.0	12
13	Sex-dependent regulation of social reward by oxytocin: an inverted U hypothesis. Neuropsychopharmacology, 2019, 44, 97-110.	2.8	65
14	Genetic mapping and evolutionary analysisÂof human-expanded cognitive networks. Nature Communications, 2019, 10, 4839.	5.8	107
15	Evolutionary expansion of connectivity between multimodal association areas in the human brain compared with chimpanzees. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7101-7106.	3.3	101
16	Evolutionary modifications in human brain connectivity associated with schizophrenia. Brain, 2019, 142, 3991-4002.	3.7	56
17	Reply to Barton and Montgomery: A case for preferential prefrontal cortical expansion. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5-6.	3.3	6
18	Intranasal oxytocin modulates neural functional connectivity during human social interaction. American Journal of Primatology, 2018, 80, e22740.	0.8	24

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19	Explaining individual variation in paternal brain responses to infant cries. Physiology and Behavior, 2018, 193, 43-54.	1.0	37
20	Comparative Primate Connectomics. Brain, Behavior and Evolution, 2018, 91, 170-179.	0.9	28
21	Oxytocinâ€•and arginine vasopressinâ€containing fibers in the cortex of humans, chimpanzees, and rhesus macaques. American Journal of Primatology, 2018, 80, e22875.	0.8	38
22	Quantitative assessment of prefrontal cortex in humans relative to nonhuman primates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5183-E5192.	3.3	203
23	Preliminary evidence that androgen signaling is correlated with men's everyday language. American Journal of Human Biology, 2018, 30, e23136.	0.8	8
24	Evidence for expansion of the precuneus in human evolution. Brain Structure and Function, 2017, 222, 1053-1060.	1.2	131
25	Intranasal oxytocin, but not vasopressin, augments neural responses to toddlers in human fathers. Hormones and Behavior, 2017, 93, 193-202.	1.0	72
26	Within vs. between-subject effects of intranasal oxytocin on the neural response to cooperative and non-cooperative social interactions. Psychoneuroendocrinology, 2017, 78, 22-30.	1.3	35
27	The neurobiology of fatherhood. Current Opinion in Psychology, 2017, 15, 26-32.	2.5	106
28	Child gender influences paternal behavior, language, and brain function.. Behavioral Neuroscience, 2017, 131, 262-273.	0.6	75
29	Precuneus proportions and cortical folding: A morphometric evaluation on a racially diverse human sample. Annals of Anatomy, 2017, 211, 120-128.	1.0	24
30	Midsagittal Brain Variation among Non-Human Primates: Insights into Evolutionary Expansion of the Human Precuneus. Brain, Behavior and Evolution, 2017, 90, 255-263.	0.9	13
31	Response to Tops, 2017. Hormones and Behavior, 2017, 96, 2-3.	1.0	0
32	Arginine Vasopressin Effects on Subjective Judgments and Neural Responses to Same and Other-Sex Faces in Men and Women. Frontiers in Endocrinology, 2017, 8, 200.	1.5	48
33	Dose-Dependent and Lasting Influences of Intranasal Vasopressin on Face Processing in Men. Frontiers in Endocrinology, 2017, 8, 220.	1.5	18
34	Effects of oxytocin and vasopressin on the neural response to unreciprocated cooperation within brain regions involved in stress and anxiety in men and women. Brain Imaging and Behavior, 2016, 10, 581-593.	1.1	72
35	Comparison of diffusion tractography and tract-tracing measures of connectivity strength in rhesus macaque connectome. Human Brain Mapping, 2015, 36, 3064-3075.	1.9	123
36	A common oxytocin receptor gene (<scp>OXTR</scp>) polymorphism modulates intranasal oxytocin effects on the neural response to social cooperation in humans. Genes, Brain and Behavior, 2015, 14, 516-525.	1.1	85

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37	Neuroticism modulates the effects of intranasal vasopressin treatment on the neural response to positive and negative social interactions. Neuropsychologia, 2015, 73, 108-115.	0.7	16
38	Oxytocin and vasopressin effects on the neural response to social cooperation are modulated by sex in humans. Brain Imaging and Behavior, 2015, 9, 754-764.	1.1	140
39	The Default Mode Network in Chimpanzees (Pan troglodytes) is Similar to That of Humans. Cerebral Cortex, 2015, 25, 538-544.	1.6	53
40	Behavioral and genetic correlates of the neural response to infant crying among human fathers. Social Cognitive and Affective Neuroscience, 2014, 9, 1704-1712.	1.5	61
41	Sex differences in the neural and behavioral response to intranasal oxytocin and vasopressin during human social interaction. Psychoneuroendocrinology, 2014, 39, 237-248.	1.3	286
42	Differential neural responses to child and sexual stimuli in human fathers and non-fathers and their hormonal correlates. Psychoneuroendocrinology, 2014, 46, 153-163.	1.3	66
43	Comparative primate neurobiology and the evolution of brain language systems. Current Opinion in Neurobiology, 2014, 28, 10-14.	2.0	70
44	Comparative primate neuroimaging: insights into human brain evolution. Trends in Cognitive Sciences, 2014, 18, 46-55.	4.0	187
45	The biology of mammalian parenting and its effect on offspring social development. Science, 2014, 345, 771-776.	6.0	416
46	Brain aging in humans, chimpanzees (Pan troglodytes), and rhesus macaques (Macaca mulatta): magnetic resonance imaging studies of macro- and microstructural changes. Neurobiology of Aging, 2013, 34, 2248-2260.	1.5	92
47	Pre-existing brain function predicts subsequent practice of mindfulness and compassion meditation. NeuroImage, 2013, 69, 35-42.	2.1	59
48	Mapping putative hubs in human, chimpanzee and rhesus macaque connectomes via diffusion tractography. NeuroImage, 2013, 80, 462-474.	2.1	94
49	The neural and hormonal bases of human parentalcare. Neuropsychologia, 2013, 51, 731-747.	0.7	200
50	Compassion meditation enhances empathic accuracy and related neural activity. Social Cognitive and Affective Neuroscience, 2013, 8, 48-55.	1.5	188
51	Process Versus Product in Social Learning: Comparative Diffusion Tensor Imaging of Neural Systems for Action Executionâ€“Observation Matching in Macaques, Chimpanzees, and Humans. Cerebral Cortex, 2013, 23, 1014-1024.	1.6	142
52	Testicular volume is inversely correlated with nurturing-related brain activity in human fathers. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15746-15751.	3.3	115
53	Integrative Approaches Utilizing Oxytocin to Enhance Prosocial Behavior: From Animal and Human Social Behavior to Autistic Social Dysfunction. Journal of Neuroscience, 2012, 32, 14109-14117a.	1.7	129
54	Differences between chimpanzees and bonobos in neural systems supporting social cognition. Social Cognitive and Affective Neuroscience, 2012, 7, 369-379.	1.5	119

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55	Quantitative assessment of a framework for creating anatomical brain networks via global tractography. NeuroImage, 2012, 61, 1017-1030.	2.1	37
56	The effects of connection reconstruction method on the interregional connectivity of brain networks via diffusion tractography. Human Brain Mapping, 2012, 33, 1894-1913.	1.9	88
57	Effects of intranasal oxytocin and vasopressin on cooperative behavior and associated brain activity in men. Psychoneuroendocrinology, 2012, 37, 447-461.	1.3	283
58	Predicting Individual Differences in Placebo Analgesia: Contributions of Brain Activity during Anticipation and Pain Experience. Journal of Neuroscience, 2011, 31, 439-452.	1.7	258
59	The Neuroscience of Social Decision-Making. Annual Review of Psychology, 2011, 62, 23-48.	9.9	615
60	The Neurobiology of Cooperation and Altruism. , 2011, , 295-306.		8
61	Continuity, Divergence, and the Evolution of Brain Language Pathways. Frontiers in Evolutionary Neuroscience, 2011, 3, 11.	3.7	136
62	Chimpanzee (Pan troglodytes) Precentral Corticospinal System Asymmetry and Handedness: A Diffusion Magnetic Resonance Imaging Study. PLoS ONE, 2010, 5, e12886.	1.1	34
63	A Potential Role for Oxytocin in the Intergenerational Transmission of Secure Attachment. Neuropsychopharmacology, 2009, 34, 2621-2622.	2.8	8
64	Abdominal depth and waist circumference as influential determinants of human female attractiveness. Evolution and Human Behavior, 2009, 30, 21-31.	1.4	50
65	Evolution of the Brain in Humans â€“ Specializations in a Comparative Perspective. , 2009, , 1334-1338.		5
66	Neuroscientific approaches and applications within anthropology. American Journal of Physical Anthropology, 2008, 137, 2-32.	2.1	91
67	The evolution of the arcuate fasciculus revealed with comparative DTI. Nature Neuroscience, 2008, 11, 426-428.	7.1	773
68	The neurobiology of social decision-making. Current Opinion in Neurobiology, 2008, 18, 159-165.	2.0	174
69	The neural correlates of the affective response to unreciprocated cooperation. Neuropsychologia, 2008, 46, 1256-1266.	0.7	157
70	2074v Alpha1-Beta1 and Alpha6-Beta1-Integrin. , 2008, , 1-1.		0
71	DTI Tractography of the Human Brain's Language Pathways. Cerebral Cortex, 2008, 18, 2471-2482.	1.6	542
72	Social cognitive neural networks during in-group and out-group interactions. NeuroImage, 2008, 41, 1447-1461.	2.1	96

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73	Effect of menstrual cycle on resting brain metabolism in female rhesus monkeys. NeuroReport, 2008, 19, 537-541.	0.6	6
74	A comparison of resting-state brain activity in humans and chimpanzees. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17146-17151.	3.3	177
75	Neural Correlates of Social Cooperation and Non-Cooperation as a Function of Psychopathy. Biological Psychiatry, 2007, 61, 1260-1271.	0.7	327
76	Responses to Conflict and Cooperation in Adolescents with Anxiety and Mood Disorders. Journal of Abnormal Child Psychology, 2007, 35, 567-577.	3.5	38
77	Human and nonhuman primate brains: Are they allometrically scaled versions of the same design?. Evolutionary Anthropology, 2006, 15, 65-77.	1.7	173
78	A Bayesian approach to determining connectivity of the human brain. Human Brain Mapping, 2006, 27, 267-276.	1.9	137
79	Determining hierarchical functional networks from auditory stimuli fMRI. Human Brain Mapping, 2006, 27, 462-470.	1.9	28
80	Effects of Tryptophan Depletion on the Performance of an Iterated Prisoner's Dilemma Game in Healthy Adults. Neuropsychopharmacology, 2006, 31, 1075-1084.	2.8	150
81	Noninvasive Neuroimaging Techniques for the Study of Primate Brain Development. , 2006, , 485-511.		1
82	The neural correlates of mate competition in dominant male rhesus macaques. Biological Psychiatry, 2004, 56, 364-375.	0.7	62
83	Placebo-Induced Changes in fMRI in the Anticipation and Experience of Pain. Science, 2004, 303, 1162-1167.	6.0	1,731
84	The neural correlates of theory of mind within interpersonal interactions. NeuroImage, 2004, 22, 1694-1703.	2.1	526
85	Opposing BOLD responses to reciprocated and unreciprocated altruism in putative reward pathways. NeuroReport, 2004, 15, 2539-2243.	0.6	226
86	Expansion of the neocerebellum in Hominoidea. Journal of Human Evolution, 2003, 44, 401-429.	1.3	153
87	The Neural Basis of Economic Decision-Making in the Ultimatum Game. Science, 2003, 300, 1755-1758.	6.0	2,858
88	A Neural Basis for Social Cooperation. Neuron, 2002, 35, 395-405.	3.8	1,256
89	A quantitative morphometric comparative analysis of the primate temporal lobe. Journal of Human Evolution, 2002, 42, 505-533.	1.3	140
90	Neural correlates of maternal separation in rhesus monkeys. Biological Psychiatry, 2001, 49, 146-157.	0.7	104

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91	Allometric departures for the human brain provide insights into hominid brain evolution. Behavioral and Brain Sciences, 2001, 24, 292-293.	0.4	2
92	Anatomy and three-dimensional reconstructions of the brain of a bottlenose dolphin (Tursiops) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	2.3	45
93	A comparative MRI study of the relationship between neuroanatomical asymmetry and interhemispheric connectivity in primates: Implication for the evolution of functional asymmetries.. Behavioral Neuroscience, 2000, 114, 739-748.	0.6	63
94	Relative Volume of the Cerebellum in Dolphins and Comparison with Anthropoid Primates. Brain, Behavior and Evolution, 2000, 56, 204-211.	0.9	55
95	The primate neocortex in comparative perspective using magnetic resonance imaging. Journal of Human Evolution, 1999, 37, 191-223.	1.3	351
96	Differential expansion of neural projection systems in primate brain evolution. NeuroReport, 1999, 10, 1453-1459.	0.6	178
97	Differential rearing affects corpus callosum size and cognitive function of rhesus monkeys. Brain Research, 1998, 812, 38-49.	1.1	252
98	Evolution of the Cerebellum in Primates: Differences in Relative Volume among Monkeys, Apes and Humans. Brain, Behavior and Evolution, 1998, 52, 308-314.	0.9	135
99	Planum temporale asymmetries in great apes as revealed by magnetic resonance imaging (MRI). NeuroReport, 1998, 9, 2913-2918.	0.6	305
100	Ratios of plasma and salivary testosterone throughout puberty: Production versus bioavailability. Steroids, 1996, 61, 374-378.	0.8	56