

John P Capitanio

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128
papers

5,931
citations

41
h-index

74
g-index

136
ext. papers

6,858
ext. citations

5.3
avg, IF

6.08
L-index

#	Paper	IF	Citations
128	The neuroendocrinology of social isolation. <i>Annual Review of Psychology</i> , 2015 , 66, 733-67	26.1	384
127	Why primate models matter. <i>American Journal of Primatology</i> , 2014 , 76, 801-27	2.5	334
126	Black heterosexuals' attitudes toward lesbians and gay men in the United States. <i>Journal of Sex Research</i> , 1995 , 32, 95-105	4	244
125	Toward a neurology of loneliness. <i>Psychological Bulletin</i> , 2014 , 140, 1464-504	19.1	229
124	Increased social fear and decreased fear of objects in monkeys with neonatal amygdala lesions. <i>Neuroscience</i> , 2001 , 106, 653-8	3.9	205
123	The effects of bilateral lesions of the amygdala on dyadic social interactions in rhesus monkeys (Macaca mulatta).. <i>Behavioral Neuroscience</i> , 2001 , 115, 515-544	2.1	203
122	Personality dimensions in adult male rhesus macaques: prediction of behaviors across time and situation. <i>American Journal of Primatology</i> , 1999 , 47, 299-320	2.5	197
121	Myeloid differentiation architecture of leukocyte transcriptome dynamics in perceived social isolation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15142-7	11.5	178
120	Cortisol in mother's milk across lactation reflects maternal life history and predicts infant temperament. <i>Behavioral Ecology</i> , 2015 , 26, 269-281	2.3	167
119	Contributions of non-human primates to neuroscience research. <i>Lancet, The</i> , 2008 , 371, 1126-35	40	158
118	Perceived social isolation, evolutionary fitness and health outcomes: a lifespan approach. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	148
117	Social stress results in altered glucocorticoid regulation and shorter survival in simian acquired immune deficiency syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 4714-9	11.5	140
116	Rearing environment and hypothalamic-pituitary-adrenal regulation in young rhesus monkeys (Macaca mulatta). <i>Developmental Psychobiology</i> , 2005 , 46, 318-30	3	127
115	Effects of social isolation on glucocorticoid regulation in social mammals. <i>Hormones and Behavior</i> , 2012 , 62, 314-23	3.7	122
114	Social stress enhances sympathetic innervation of primate lymph nodes: mechanisms and implications for viral pathogenesis. <i>Journal of Neuroscience</i> , 2007 , 27, 8857-65	6.6	120
113	Amygdectomy and responsiveness to novelty in rhesus monkeys (Macaca mulatta): generality and individual consistency of effects. <i>Emotion</i> , 2006 , 6, 73-81	4.1	110
112	Loneliness across phylogeny and a call for comparative studies and animal models. <i>Perspectives on Psychological Science</i> , 2015 , 10, 202-12	9.8	105

111	Risk factors for stereotypic behavior and self-biting in rhesus macaques (<i>Macaca mulatta</i>): animal's history, current environment, and personality. <i>American Journal of Primatology</i> , 2013 , 75, 995-1008	2.5	104
110	The relationship of personality dimensions in adult male rhesus macaques to progression of simian immunodeficiency virus disease. <i>Brain, Behavior, and Immunity</i> , 1999 , 13, 138-54	16.6	86
109	Behavioral consequences of developmental iron deficiency in infant rhesus monkeys. <i>Neurotoxicology and Teratology</i> , 2006 , 28, 3-17	3.9	76
108	The amygdala: is it an essential component of the neural network for social cognition?. <i>Neuropsychologia</i> , 2003 , 41, 517-22	3.2	76
107	Formation and expression of filial attachment in rhesus monkeys raised with living and inanimate mother substitutes. <i>Developmental Psychobiology</i> , 1988 , 21, 401-30	3	76
106	Iron deficiency anemia and affective response in rhesus monkey infants. <i>Developmental Psychobiology</i> , 2009 , 51, 47-59	3	73
105	Individual Differences in Infant Temperament Predict Social Relationships of Yearling Rhesus Monkeys (). <i>Animal Behaviour</i> , 2008 , 76, 455-465	2.8	68
104	Personality and serotonin transporter genotype interact with social context to affect immunity and viral set-point in simian immunodeficiency virus disease. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 676-89	16.6	63
103	Cortisol concentrations in the milk of rhesus monkey mothers are associated with confident temperament in sons, but not daughters. <i>Developmental Psychobiology</i> , 2011 , 53, 96-104	3	61
102	Lactational programming? Mother's milk energy predicts infant behavior and temperament in rhesus macaques (<i>Macaca mulatta</i>). <i>American Journal of Primatology</i> , 2010 , 72, 522-9	2.5	61
101	Personality influences tetanus-specific antibody response in adult male rhesus macaques after removal from natal group and housing relocation. <i>American Journal of Primatology</i> , 2003 , 61, 73-83	2.5	61
100	What is an "adverse" environment? Interactions of rearing experiences and MAOA genotype in rhesus monkeys. <i>Biological Psychiatry</i> , 2009 , 65, 770-7	7.9	54
99	Early experience and social processes in rhesus macaques (<i>Macaca mulatta</i>): II. Complex social interaction.. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 1985 , 99, 133-144	2.1	54
98	Social separation, housing relocation, and survival in simian AIDS: a retrospective analysis. <i>Psychosomatic Medicine</i> , 1998 , 60, 235-44	3.7	52
97	Network stability is a balancing act of personality, power, and conflict dynamics in rhesus macaque societies. <i>PLoS ONE</i> , 2011 , 6, e22350	3.7	51
96	Individual differences in peripheral blood immunological and hormonal measures in adult male rhesus macaques (<i>Macaca mulatta</i>): evidence for temporal and situational consistency. <i>American Journal of Primatology</i> , 1998 , 44, 29-41	2.5	49
95	Long-term follow-up of previously separated pigtail macaques: group and individual differences in response to novel situations. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 1986 , 27, 531-8	7.9	48
94	Early rearing interacts with temperament and housing to influence the risk for motor stereotypy in rhesus monkeys (<i>Macaca mulatta</i>). <i>Applied Animal Behaviour Science</i> , 2011 , 132, 81-89	2.2	47

93	Acute and chronic stress increase DHEAS concentrations in rhesus monkeys. <i>Psychoneuroendocrinology</i> , 2010 , 35, 1055-62	5	47
92	Considerations in the selection and conditioning of Old World monkeys for laboratory research: animals from domestic sources. <i>ILAR Journal</i> , 2006 , 47, 294-306	1.7	47
91	Social stress desensitizes lymphocytes to regulation by endogenous glucocorticoids: insights from in vivo cell trafficking dynamics in rhesus macaques. <i>Psychosomatic Medicine</i> , 2009 , 71, 591-7	3.7	46
90	Laboratory rhesus macaque social housing and social changes: Implications for research. <i>American Journal of Primatology</i> , 2017 , 79, 1-14	2.5	45
89	Cortisol responses to immobilization with Telazol or ketamine in baboons (<i>Papio cynocephalus/anubis</i>) and rhesus macaques (<i>Macaca mulatta</i>). <i>Journal of Medical Primatology</i> , 2003 , 32, 148-60	0.7	42
88	Enhanced replication of simian immunodeficiency virus adjacent to catecholaminergic varicosities in primate lymph nodes. <i>Journal of Virology</i> , 2006 , 80, 4326-35	6.6	41
87	Confirmatory factor analysis of personality structure in adult male rhesus monkeys (<i>Macaca mulatta</i>). <i>American Journal of Primatology</i> , 2005 , 65, 289-94	2.5	41
86	Social instability and immunity in rhesus monkeys: the role of the sympathetic nervous system. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	40
85	Personality characteristics and basal cortisol concentrations in adult male rhesus macaques (<i>Macaca mulatta</i>). <i>Psychoneuroendocrinology</i> , 2004 , 29, 1300-8	5	40
84	Sociability and responses to video playbacks in adult male rhesus monkeys (<i>Macaca mulatta</i>). <i>Primates</i> , 2002 , 43, 169-77	1.7	40
83	The roles of early separation experience and prior familiarity in the social relations of pigtail macaques: A descriptive multivariate study. <i>Primates</i> , 1984 , 25, 475-484	1.7	40
82	Nervous temperament in infant monkeys is associated with reduced sensitivity of leukocytes to cortisol's influence on trafficking. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 151-9	16.6	37
81	Bilateral neurotoxic amygdala lesions in rhesus monkeys (<i>Macaca mulatta</i>): consistent pattern of behavior across different social contexts. <i>Behavioral Neuroscience</i> , 2008 , 122, 251-66	2.1	37
80	Arginine vasopressin in cerebrospinal fluid is a marker of sociality in nonhuman primates. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	34
79	Depressive-like behavioral response of adult male rhesus monkeys during routine animal husbandry procedure. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 309	3.5	34
78	Influences of blood sampling procedures on basal hypothalamic-pituitary-adrenal hormone levels and leukocyte values in rhesus macaques (<i>Macaca mulatta</i>). <i>Journal of Medical Primatology</i> , 1996 , 25, 26-33	0.7	34
77	Nursery Rearing and Biobehavioral Organization 2006 , 191-214		34
76	Individual differences in emotionality: social temperament and health. <i>American Journal of Primatology</i> , 2011 , 73, 507-15	2.5	32

75	Early social experience affects behavioral and physiological responsiveness to stressful conditions in infant rhesus macaques (<i>Macaca mulatta</i>). <i>American Journal of Primatology</i> , 2011 , 73, 692-701	2.5	32
74	Early Predictors of Impaired Social Functioning in Male Rhesus Macaques (<i>Macaca mulatta</i>). <i>PLoS ONE</i> , 2016 , 11, e0165401	3.7	32
73	Longitudinal stability of friendships in rhesus monkeys (<i>Macaca mulatta</i>): individual- and relationship-level effects. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2012 , 126, 97-108	2.1	31
72	Latent variables affecting behavioral response to the human intruder test in infant rhesus macaques (<i>Macaca mulatta</i>). <i>American Journal of Primatology</i> , 2013 , 75, 314-23	2.5	30
71	Serotonin pathway gene-gene and gene-environment interactions influence behavioral stress response in infant rhesus macaques. <i>Development and Psychopathology</i> , 2010 , 22, 35-44	4.3	30
70	Decoupling social status and status certainty effects on health in macaques: a network approach. <i>PeerJ</i> , 2016 , 4, e2394	3.1	30
69	A behavioral taxonomy of loneliness in humans and rhesus monkeys (<i>Macaca mulatta</i>). <i>PLoS ONE</i> , 2014 , 9, e110307	3.7	28
68	Social temperament and lymph node innervation. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 717-26	16.6	28
67	Sequence diversity analyses of an improved rhesus macaque genome enhance its biomedical utility. <i>Science</i> , 2020 , 370,	33.3	28
66	Do "birds of a feather flock together" or do "opposites attract"? Behavioral responses and temperament predict success in pairings of rhesus monkeys in a laboratory setting. <i>American Journal of Primatology</i> , 2017 , 79, 1-11	2.5	26
65	Psychosocial factors and disease progression in simian AIDS: a preliminary report. <i>Aids</i> , 1991 , 5, 1103-6	3.5	25
64	Paternal early experiences influence infant development through non-social mechanisms in Rhesus Macaques. <i>Frontiers in Zoology</i> , 2015 , 12 Suppl 1, S14	2.8	24
63	Personality and disease. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 647-50	16.6	23
62	Cognitive style: problem solving by rhesus macaques (<i>Macaca mulatta</i>) reared with living or inanimate substitute mothers. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2000 , 114, 115-25	2.1	23
61	The influence of rank on affect perception by pigtailed macaques (<i>Macaca nemestrina</i>). <i>American Journal of Primatology</i> , 1985 , 8, 53-59	2.5	23
60	Depressive-like behavior, its sensitization, social buffering, and altered cytokine responses in rhesus macaques moved from outdoor social groups to indoor housing. <i>Social Neuroscience</i> , 2017 , 12, 65-75	2	21
59	Behavioral inhibition is associated with airway hyperresponsiveness but not atopy in a monkey model of asthma. <i>Psychosomatic Medicine</i> , 2011 , 73, 288-94	3.7	20
58	SIV infection decreases sympathetic innervation of primate lymph nodes: the role of neurotrophins. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 185-94	16.6	20

57	Paternal age in rhesus macaques is positively associated with germline mutation accumulation but not with measures of offspring sociability. <i>Genome Research</i> , 2020 , 30, 826-834	9.7	19
56	Early involvement in friendships predicts later plasma concentrations of oxytocin and vasopressin in juvenile rhesus macaques (<i>Macaca mulatta</i>). <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 295	3.5	18
55	Behavioral effects of prenatal ketamine exposure in rhesus macaques are dependent on MAOA genotype. <i>Experimental and Clinical Psychopharmacology</i> , 2012 , 20, 173-80	3.2	18
54	Do neonatal bilateral ibotenic acid lesions of the hippocampal formation or of the amygdala impair HPA axis responsiveness and regulation in infant rhesus macaques (<i>Macaca mulatta</i>)?. <i>Brain Research</i> , 2006 , 1071, 97-104	3.7	18
53	Naturally Occurring Nonhuman Primate Models of Psychosocial Processes. <i>ILAR Journal</i> , 2017 , 58, 226-234		17
52	Rhesus macaque personality, dominance, behavior, and health. <i>American Journal of Primatology</i> , 2018 , 80, e22739	2.5	17
51	Levels of integration and the inheritance of dominance. <i>Animal Behaviour</i> , 1991 , 42, 495-496	2.8	15
50	Behavioral inhibition in rhesus monkeys (<i>Macaca mulatta</i>) is related to the airways response, but not immune measures, commonly associated with asthma. <i>PLoS ONE</i> , 2013 , 8, e71575	3.7	15
49	Sex Differences in Rhesus Monkeys' Digit Ratio (2D:4D Ratio) and Its Association With Maternal Social Dominance Rank. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 213	3.5	14
48	Serotonin transporter genotype modulates HPA axis output during stress: effect of stress, dexamethasone test and ACTH challenge. <i>Translational Developmental Psychiatry</i> , 2013 , 1, 21130		13
47	Nonhuman Primate Personality and Immunity: Mechanisms of Health and Disease 2011 , 233-255		13
46	Preference for novel faces in male infant monkeys predicts cerebrospinal fluid oxytocin concentrations later in life. <i>Scientific Reports</i> , 2017 , 7, 12935	4.9	12
45	Variation in Biobehavioral Organization 2017 , 55-73		12
44	Developmental consequences of behavioral inhibition: a model in rhesus monkeys (<i>Macaca mulatta</i>). <i>Developmental Science</i> , 2016 , 19, 1035-1048	4.5	12
43	Personality, environmental stressors, and diarrhea in Rhesus macaques: An interactionist perspective. <i>American Journal of Primatology</i> , 2018 , 80, e22908	2.5	11
42	Degree of Chinese ancestry affects behavioral characteristics of infant rhesus macaques (<i>Macaca mulatta</i>). <i>Journal of Medical Primatology</i> , 2013 , 42, 20-7	0.7	10
41	Social Experience and Immune System Measures in Laboratory-housed Macaques: Implications for Management and Research. <i>ILAR Journal</i> , 1998 , 39, 12-20	1.7	10
40	Ozone-induced enhancement of airway hyperreactivity in rhesus macaques: Effects of antioxidant treatment. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 312-323	11.5	10

39	The effects of birth timing and ambient temperature on the hypothalamic-pituitary-adrenal axis in 3-4 month old rhesus monkeys. <i>Psychoneuroendocrinology</i> , 2013 , 38, 2705-12	5	9
38	Birth timing and behavioral responsiveness predict individual differences in the mother-infant relationship and infant behavior during weaning and maternal breeding. <i>American Journal of Primatology</i> , 2012 , 74, 734-46	2.5	9
37	Similarity in temperament between mother and offspring rhesus monkeys: sex differences and the role of monoamine oxidase-a and serotonin transporter promoter polymorphism genotypes. <i>Developmental Psychobiology</i> , 2011 , 53, 549-63	3	9
36	Biobehavioral consequences of prenatal exposure to a matrilineal overthrow and relocation in captive infant rhesus (<i>Macaca mulatta</i>) monkeys. <i>American Journal of Primatology</i> , 2016 , 78, 895-903	2.5	9
35	Social stability influences the association between adrenal responsiveness and hair cortisol concentrations in rhesus macaques. <i>Psychoneuroendocrinology</i> , 2019 , 100, 164-171	5	9
34	Social regulation of the lymph node transcriptome in rhesus macaques (<i>Macaca mulatta</i>). <i>Psychoneuroendocrinology</i> , 2017 , 76, 107-113	5	8
33	Paternal line effects of early experiences persist across three generations in rhesus macaques. <i>Developmental Psychobiology</i> , 2018 , 60, 879-888	3	8
32	Enhancing genotyping of MAOA-LPR and 5-HTT-LPR in rhesus macaques (<i>Macaca mulatta</i>). <i>Journal of Medical Primatology</i> , 2012 , 41, 407-11	0.7	8
31	What do attachment objects afford?. <i>Behavioral and Brain Sciences</i> , 1992 , 15, 512-3	0.9	8
30	Male-inflicted wounds have opposite effects on hair cortisol for captive male and female rhesus macaques (<i>Macaca mulatta</i>) following new group formation. <i>Primates</i> , 2019 , 60, 51-62	1.7	8
29	Early Social Stress Promotes Inflammation and Disease Risk in Rhesus Monkeys. <i>Scientific Reports</i> , 2019 , 9, 7609	4.9	7
28	A Psychometrically Robust Screening Tool To Rapidly Identify Socially Impaired Monkeys In The General Population. <i>Autism Research</i> , 2020 , 13, 1465-1475	5.1	6
27	Infant inhibited temperament in primates predicts adult behavior, is heritable, and is associated with anxiety-relevant genetic variation. <i>Molecular Psychiatry</i> , 2021 ,	15.1	5
26	Behavioral Inhibition in Nonhuman Primates: The Elephant in the Room 2018 , 17-33		5
25	Loneliness in monkeys: Neuroimmune mechanisms. <i>Current Opinion in Behavioral Sciences</i> , 2019 , 28, 51-57		4
24	A new look at neurobehavioral development in rhesus monkey neonates (<i>Macaca mulatta</i>). <i>American Journal of Primatology</i> , 2020 , 82, e23122	2.5	4
23	Birth timing and the mother-infant relationship predict variation in infant behavior and physiology. <i>Developmental Psychobiology</i> , 2013 , 55, 829-37	3	4
22	Coping style and cortisol levels in infancy predict hair cortisol following new group formation in captive rhesus macaques (<i>Macaca mulatta</i>). <i>American Journal of Primatology</i> , 2018 , 80, e22938	2.5	4

21	Effect of Indoor Compared with Outdoor Location during Gestation on the Incidence of Diarrhea in Indoor-Reared Rhesus Macaques (<i>Macaca mulatta</i>). <i>Journal of the American Association for Laboratory Animal Science</i> , 2016 , 55, 277-90	1.3	3
20	Paternal age in rhesus macaques is positively associated with germline mutation accumulation but not with measures of offspring sociability		3
19	The factor structure of the macaque social responsiveness scale-revised predicts social behavior and personality dimensions. <i>American Journal of Primatology</i> , 2021 , 83, e23234	2.5	3
18	Adiposity and weight gain during pregnancy associate independently with behavior of infant rhesus monkeys (<i>Macaca mulatta</i>). <i>Developmental Psychobiology</i> , 2018 , 60, 629-638	3	3
17	The Type I interferon antiviral gene program is impaired by lockdown and preserved by caregiving. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
16	Health and Social Relationships in Nonhuman Primates: Toward a Comparative Health Psychology 2011 ,		2
15	Structural differences in the hippocampus and amygdala of behaviorally inhibited macaque monkeys. <i>Hippocampus</i> , 2021 , 31, 858-868	3.5	2
14	Knowledge of Biobehavioral Organization Can Facilitate Better Science: A Review of the BioBehavioral Assessment Program at the California National Primate Research Center. <i>Animals</i> , 2021 , 11,	3.1	2
13	Behavioral effects of postnatal ketamine exposure in rhesus macaque infants are dependent on MAOA-LPR genotype. <i>Developmental Psychobiology</i> , 2019 , 61, 605-614	3	1
12	Lipid metabolism is associated with temperament, corticosteroid, and hematological measures in infant rhesus monkeys (<i></i>). <i>Zoological Research</i> , 2020 , 41, 709-714	3.4	1
11	Baboons, bonds, biology, and lessons about early life adversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 22628-22630	11.5	1
10	Masculinized Second-to-Fourth Digit Ratio (2D:4D Ratio) Is Associated With Lower Cortisol Response in Infant Female Rhesus Monkeys (<i></i>). <i>Frontiers in Behavioral Neuroscience</i> , 2020 , 14, 94	3.5	1
9	Prenatal Relocation Stress Enhances Resilience Under Challenge in Infant Rhesus Macaques. <i>Frontiers in Behavioral Neuroscience</i> , 2021 , 15, 641795	3.5	1
8	Autism-associated biomarkers: test-retest reliability and relationship to quantitative social trait variation in rhesus monkeys. <i>Molecular Autism</i> , 2021 , 12, 50	6.5	1
7	Biobehavioral organization shapes the immune epigenome in infant rhesus Macaques (<i>Macaca mulatta</i>). <i>Brain, Behavior, and Immunity</i> , 2021 , 96, 256-270	16.6	1
6			
5	Assessment of medical morbidities in a rhesus monkey model of naturally occurring low sociality. <i>Autism Research</i> , 2021 , 14, 1332-1346	5.1	0
4	Adverse biobehavioral effects in infants resulting from pregnant rhesus macaques' exposure to wildfire smoke.. <i>Nature Communications</i> , 2022 , 13, 1774	17.4	0

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2 Stress-induced plasma cortisol concentrations in infancy are associated with later parenting behaviors in female rhesus macaques (*Macaca mulatta*). *Developmental Psychobiology*, **2021**, 63, 1098-1108

1 The relationship of maternal rank, 5-HTTLPR genotype, and MAOA-LPR genotype to temperament in infant rhesus monkeys (*Macaca mulatta*).. *American Journal of Primatology*, **2022**, e23374 2.5