John P Capitanio

List of Publications by Year
in descending order

132 papers	7,720 citations	66250 44 h-index	64407 83 g-index
136 all docs	136 docs citations	136 times ranked	7593 citing authors

#	Article	IF	Citations
1	Inheritance of hormonal stress response and temperament in infant rhesus macaques (Macaca) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	3
2	The relationship of maternal rank, 5â€HTTLPR genotype, and MAOAâ€LPR genotype to temperament in infant rhesus monkeys (Macaca mulatta). American Journal of Primatology, 2022, 84, e23374.	0.8	2
3	Adverse biobehavioral effects in infants resulting from pregnant rhesus macaquesâ€™ exposure to wildfire smoke. Nature Communications, 2022, 13, 1774.	5.8	12
4	The factor structure of the macaque social responsiveness scaleâ€revised predicts social behavior and personality dimensions. American Journal of Primatology, 2021, 83, e23234.	0.8	10
5	Stressâ€induced plasma cortisol concentrations in infancy are associated with later parenting behaviors in female rhesus macaques (Macaca mulatta). Developmental Psychobiology, 2021, 63, 1098-1108.	0.9	0
6	Prenatal Relocation Stress Enhances Resilience Under Challenge in Infant Rhesus Macaques. Frontiers in Behavioral Neuroscience, 2021, 15, 641795.	1.0	2
7	Structural differences in the hippocampus and amygdala of behaviorally inhibited macaque monkeys. Hippocampus, 2021, 31, 858-868.	0.9	8
8	Assessment of medical morbidities in a rhesus monkey model of naturally occurring low sociality. Autism Research, 2021, 14, 1332-1346.	2.1	7
9	Infant inhibited temperament in primates predicts adult behavior, is heritable, and is associated with anxiety-relevant genetic variation. Molecular Psychiatry, 2021, 26, 6609-6618.	4.1	13
10	The Type I interferon antiviral gene program is impaired by lockdown and preserved by caregiving. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	13
11	Autism-associated biomarkers: testâ€“retest reliability and relationship to quantitative social trait variation in rhesus monkeys. Molecular Autism, 2021, 12, 50.	2.6	10
12	Temperament Predicts the Quality of Social Interactions in Captive Female Rhesus Macaques (Macaca) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	4
13	Biobehavioral organization shapes the immune epigenome in infant rhesus Macaques (Macaca) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	2
14	Knowledge of Biobehavioral Organization Can Facilitate Better Science: A Review of the BioBehavioral Assessment Program at the California National Primate Research Center. Animals, 2021, 11, 2445.	1.0	10
15	Ozone-induced enhancement of airway hyperreactivity in rhesus macaques: Effects of antioxidant treatment. Journal of Allergy and Clinical Immunology, 2020, 145, 312-323.	1.5	17
16	Baboons, bonds, biology, and lessons about early life adversity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22628-22630.	3.3	2
17	Masculinized Second-to-Fourth Digit Ratio (2D:4D Ratio) Is Associated With Lower Cortisol Response in Infant Female Rhesus Monkeys (Macaca mulatta). Frontiers in Behavioral Neuroscience, 2020, 14, 94.	1.0	1
18	A Psychometrically Robust Screening Tool To Rapidly Identify Socially Impaired Monkeys In The General Population. Autism Research, 2020, 13, 1465-1475.	2.1	14

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19	Sequence diversity analyses of an improved rhesus macaque genome enhance its biomedical utility. Science, 2020, 370, .	6.0	105
20	Paternal age in rhesus macaques is positively associated with germline mutation accumulation but not with measures of offspring sociability. Genome Research, 2020, 30, 826-834.	2.4	48
21	A new look at neurobehavioral development in rhesus monkey neonates (Macaca mulatta). American Journal of Primatology, 2020, 82, e23122.	0.8	5
22	Lipid metabolism is associated with temperament, corticosteroid, and hematological measures in infant rhesus monkeys (<i>Macaca mulatta</i>). Zoological Research, 2020, 41, 709-714.	0.9	2
23	Capitanio, John P.. , 2020, , 605-608.		0
24	Early Social Stress Promotes Inflammation and Disease Risk in Rhesus Monkeys. Scientific Reports, 2019, 9, 7609.	1.6	13
25	Loneliness in monkeys: neuroimmune mechanisms. Current Opinion in Behavioral Sciences, 2019, 28, 51-57.	2.0	8
26	Behavioral effects of postnatal ketamine exposure in rhesus macaque infants are dependent on MAOAâ€ŁPR genotype. Developmental Psychobiology, 2019, 61, 605-614.	0.9	1
27	Social stability influences the association between adrenal responsiveness and hair cortisol concentrations in rhesus macaques. Psychoneuroendocrinology, 2019, 100, 164-171.	1.3	18
28	Male-inflicted wounds have opposite effects on hair cortisol for captive male and female rhesus macaques (Macaca mulatta) following new group formation. Primates, 2019, 60, 51-62.	0.7	13
29	Rhesus macaque personality, dominance, behavior, and health. American Journal of Primatology, 2018, 80, e22739.	0.8	19
30	Arginine vasopressin in cerebrospinal fluid is a marker of sociality in nonhuman primates. Science Translational Medicine, 2018, 10, .	5.8	50
31	Coping style and cortisol levels in infancy predict hair cortisol following new group formation in captive rhesus macaques (Macaca mulatta). American Journal of Primatology, 2018, 80, e22938.	0.8	6
32	Adiposity and weight gain during pregnancy associate independently with behavior of infant rhesus monkeys (Macaca mulatta). Developmental Psychobiology, 2018, 60, 629-638.	0.9	8
33	Behavioral Inhibition in Nonhuman Primates: The Elephant in the Room. , 2018, , 17-33.		7
34	Sex Differences in Rhesus Monkeysâ€™ Digit Ratio (2D:4D Ratio) and Its Association With Maternal Social Dominance Rank. Frontiers in Behavioral Neuroscience, 2018, 12, 213.	1.0	19
35	Personality, environmental stressors, and diarrhea in Rhesus macaques : An interactionist perspective. American Journal of Primatology, 2018, 80, e22908.	0.8	18
36	Paternal line effects of early experiences persist across three generations in rhesus macaques. Developmental Psychobiology, 2018, 60, 879-888.	0.9	10

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37	Depressive-like behavior, its sensitization, social buffering, and altered cytokine responses in rhesus macaques moved from outdoor social groups to indoor housing. Social Neuroscience, 2017, 12, 65-75.	0.7	31
38	Laboratory rhesus macaque social housing and social changes: Implications for research. American Journal of Primatology, 2017, 79, 1-14.	0.8	65
39	Do â€œbirds of a feather flock togetherâ€• or do â€œopposites attractâ€? Behavioral responses and temperament predict success in pairings of rhesus monkeys in a laboratory setting. American Journal of Primatology, 2017, 79, 1-11.	0.8	39
40	Social regulation of the lymph node transcriptome in rhesus macaques (Macaca mulatta). Psychoneuroendocrinology, 2017, 76, 107-113.	1.3	9
41	Naturally Occurring Nonhuman Primate Models of Psychosocial Processes. ILAR Journal, 2017, 58, 226-234.	1.8	25
42	Preference for novel faces in male infant monkeys predicts cerebrospinal fluid oxytocin concentrations later in life. Scientific Reports, 2017, 7, 12935.	1.6	15
43	Variation in Biobehavioral Organization. , 2017, , 55-73.		17
44	Early Predictors of Impaired Social Functioning in Male Rhesus Macaques (Macaca mulatta). PLoS ONE, 2016, 11, e0165401.	1.1	45
45	Biobehavioral consequences of prenatal exposure to a matrilineal overthrow and relocation in captive infant rhesus (Macaca mulatta) monkeys. American Journal of Primatology, 2016, 78, 895-903.	0.8	10
46	Developmental consequences of behavioral inhibition: a model in rhesus monkeys (Macaca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.3	14
47	Decoupling social status and status certainty effects on health in macaques: a network approach. PeerJ, 2016, 4, e2394.	0.9	44
48	Effect of Indoor Compared with Outdoor Location during Gestation on the Incidence of Diarrhea in Indoor-Reared Rhesus Macaques (Macaca mulatta). Journal of the American Association for Laboratory Animal Science, 2016, 55, 277-90.	0.6	3
49	Paternal early experiences influence infant development through non-social mechanisms in Rhesus Macaques. Frontiers in Zoology, 2015, 12, S14.	0.9	29
50	Cortisol in mother's milk across lactation reflects maternal life history and predicts infant temperament. Behavioral Ecology, 2015, 26, 269-281.	1.0	210
51	Loneliness Across Phylogeny and a Call for Comparative Studies and Animal Models. Perspectives on Psychological Science, 2015, 10, 202-212.	5.2	142
52	Social instability and immunity in rhesus monkeys: the role of the sympathetic nervous system. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140104.	1.8	52
53	Perceived social isolation, evolutionary fitness and health outcomes: a lifespan approach. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140114.	1.8	266
54	Myeloid differentiation architecture of leukocyte transcriptome dynamics in perceived social isolation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15142-15147.	3.3	237

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55	The Neuroendocrinology of Social Isolation. Annual Review of Psychology, 2015, 66, 733-767.	9.9	617
56	A Behavioral Taxonomy of Loneliness in Humans and Rhesus Monkeys (Macaca mulatta). PLoS ONE, 2014, 9, e110307.	1.1	34
57	Early involvement in friendships predicts later plasma concentrations of oxytocin and vasopressin in juvenile rhesus macaques (Macaca mulatta). Frontiers in Behavioral Neuroscience, 2014, 8, 295.	1.0	24
58	Depressive-like behavioral response of adult male rhesus monkeys during routine animal husbandry procedure. Frontiers in Behavioral Neuroscience, 2014, 8, 309.	1.0	40
59	Toward a neurology of loneliness.. Psychological Bulletin, 2014, 140, 1464-1504.	5.5	367
60	Why primate models matter. American Journal of Primatology, 2014, 76, 801-827.	0.8	451
61	The effects of birth timing and ambient temperature on the hypothalamicâ€“pituitaryâ€“adrenal axis in 3â€“4 month old rhesus monkeys. Psychoneuroendocrinology, 2013, 38, 2705-2712.	1.3	9
62	Degree of <scp>C</scp>hinese ancestry affects behavioral characteristics of infant rhesus macaques (<scp>Macaca mulatta</scp>). Journal of Medical Primatology, 2013, 42, 20-27.	0.3	11
63	Risk factors for stereotypic behavior and selfâ€biting in rhesus macaques (Macaca mulatta): Animal's history, current environment, and personality. American Journal of Primatology, 2013, 75, 995-1008.	0.8	122
64	Birth timing and the motherâ€“infant relationship predict variation in infant behavior and physiology. Developmental Psychobiology, 2013, 55, 829-837.	0.9	4
65	Computed Data-Geometry Based Supervised and Semi-supervised Learning in High Dimensional Data. , 2013, , .		0
66	Latent Variables Affecting Behavioral Response to the Human Intruder Test in Infant Rhesus Macaques (Macaca mulatta). American Journal of Primatology, 2013, 75, 314-323.	0.8	44
67	Serotonin transporter genotype modulates HPA axis output during stress: effect of stress, dexamethasone test and ACTH challenge. Translational Developmental Psychiatry, 2013, 1, 21130.	0.3	14
68	Behavioral Inhibition in Rhesus Monkeys (Macaca mulatta) Is Related to the Airways Response, but Not Immune Measures, Commonly Associated with Asthma. PLoS ONE, 2013, 8, e71575.	1.1	17
69	Longitudinal stability of friendships in rhesus monkeys (Macaca mulatta): Individual- and relationship-level effects.. Journal of Comparative Psychology (Washington, D C: 1983), 2012, 126, 97-108.	0.3	37
70	Behavioral effects of prenatal ketamine exposure in rhesus macaques are dependent on MAOA genotype.. Experimental and Clinical Psychopharmacology, 2012, 20, 173-180.	1.3	19
71	Effects of social isolation on glucocorticoid regulation in social mammals. Hormones and Behavior, 2012, 62, 314-323.	1.0	161
72	Enhancing genotyping of MAOAâ€LPR and 5â€HTTâ€LPR in rhesus macaques (Macaca) Tj ETQq0 0 0 rgBT /Overlock 10	0.3	10

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73	Social Processes and Disease in Nonhuman Primates: Introduction to the Special Section. American Journal of Primatology, 2012, 74, 491-496.	0.8	7
74	Birth Timing and Behavioral Responsiveness Predict Individual Differences in the Motherâ€“Infant Relationship and Infant Behavior During Weaning and Maternal Breeding. American Journal of Primatology, 2012, 74, 734-746.	0.8	13
75	Nervous temperament in infant monkeys is associated with reduced sensitivity of leukocytes to cortisolâ€™s influence on trafficking. Brain, Behavior, and Immunity, 2011, 25, 151-159.	2.0	40
76	Network Stability Is a Balancing Act of Personality, Power, and Conflict Dynamics in Rhesus Macaque Societies. PLoS ONE, 2011, 6, e22350.	1.1	65
77	Behavioral Inhibition Is Associated With Airway Hyperresponsiveness but not Atopy in a Monkey Model of Asthma. Psychosomatic Medicine, 2011, 73, 288-294.	1.3	23
78	Early rearing interacts with temperament and housing to influence the risk for motor stereotypy in rhesus monkeys (Macaca mulatta). Applied Animal Behaviour Science, 2011, 132, 81-89.	0.8	54
79	Individual differences in emotionality: social temperament and health. American Journal of Primatology, 2011, 73, 507-515.	0.8	38
80	Early social experience affects behavioral and physiological responsiveness to stressful conditions in infant rhesus macaques (Macaca mulatta). American Journal of Primatology, 2011, 73, 692-701.	0.8	37
81	Cortisol concentrations in the milk of rhesus monkey mothers are associated with confident temperament in sons, but not daughters. Developmental Psychobiology, 2011, 53, 96-104.	0.9	73
82	Similarity in temperament between mother and offspring rhesus monkeys: Sex differences and the role of monoamine oxidaseâ€a and serotonin transporter promoter polymorphism genotypes. Developmental Psychobiology, 2011, 53, 549-563.	0.9	11
83	Nonhuman Primate Personality and Immunity: Mechanisms of Health and Disease. , 2011, , 233-255.		20
84	Acute and chronic stress increase DHEAS concentrations in rhesus monkeys. Psychoneuroendocrinology, 2010, 35, 1055-1062.	1.3	54
85	Lactational programming? mother's milk energy predicts infant behavior and temperament in rhesus macaques (Macaca mulatta). American Journal of Primatology, 2010, 72, 522-529.	0.8	72
86	Serotonin pathway geneâ€“gene and geneâ€“environment interactions influence behavioral stress response in infant rhesus macaques. Development and Psychopathology, 2010, 22, 35-44.	1.4	38
87	Iron deficiency anemia and affective response in rhesus monkey infants. Developmental Psychobiology, 2009, 51, 47-59.	0.9	85
88	What is an â€œAverseâ€•Environment? Interactions of Rearing Experiences and MAOA Genotype in Rhesus Monkeys. Biological Psychiatry, 2009, 65, 770-777.	0.7	61
89	Social Stress Desensitizes Lymphocytes to Regulation by Endogenous Glucocorticoids: Insights from In Vivo Cell Trafficking Dynamics in Rhesus Macaques. Psychosomatic Medicine, 2009, 71, 591-597.	1.3	57
90	Individual differences in infant temperament predict social relationships of yearling rhesus monkeys, Macaca mulatta. Animal Behaviour, 2008, 76, 455-465.	0.8	82

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91	Personality and serotonin transporter genotype interact with social context to affect immunity and viral set-point in simian immunodeficiency virus disease. Brain, Behavior, and Immunity, 2008, 22, 676-689.	2.0	74
92	SIV infection decreases sympathetic innervation of primate lymph nodes: The role of neurotrophins. Brain, Behavior, and Immunity, 2008, 22, 185-194.	2.0	23
93	Social temperament and lymph node innervation. Brain, Behavior, and Immunity, 2008, 22, 717-726.	2.0	36
94	Personality and disease. Brain, Behavior, and Immunity, 2008, 22, 647-650.	2.0	25
95	Contributions of non-human primates to neuroscience research. Lancet, The, 2008, 371, 1126-1135.	6.3	183
96	Bilateral neurotoxic amygdala lesions in rhesus monkeys (Macaca mulatta): Consistent pattern of behavior across different social contexts.. Behavioral Neuroscience, 2008, 122, 251-266.	0.6	40
97	Social Stress Enhances Sympathetic Innervation of Primate Lymph Nodes: Mechanisms and Implications for Viral Pathogenesis. Journal of Neuroscience, 2007, 27, 8857-8865.	1.7	146
98	Amygdalectomy and responsiveness to novelty in rhesus monkeys (Macaca mulatta): Generality and individual consistency of effects.. Emotion, 2006, 6, 73-81.	1.5	121
99	Do neonatal bilateral ibotenic acid lesions of the hippocampal formation or of the amygdala impair HPA axis responsiveness and regulation in infant rhesus macaques (Macaca mulatta)?. Brain Research, 2006, 1071, 97-104.	1.1	24
100	Behavioral consequences of developmental iron deficiency in infant rhesus monkeys. Neurotoxicology and Teratology, 2006, 28, 3-17.	1.2	84
101	Considerations in the Selection and Conditioning of Old World Monkeys for Laboratory Research: Animals from Domestic Sources. ILAR Journal, 2006, 47, 294-306.	1.8	55
102	Enhanced Replication of Simian Immunodeficiency Virus Adjacent to Catecholaminergic Varicosities in Primate Lymph Nodes. Journal of Virology, 2006, 80, 4326-4335.	1.5	48
103	Nursery Rearing and Biobehavioral Organization. , 2006, , 191-214.		45
104	Rearing environment and hypothalamic-pituitary-adrenal regulation in young rhesus monkeys (Macaca) Tj ETQq0 0 0 rgBT /Overlock 10	0.9	140
105	Confirmatory factor analysis of personality structure in adult male rhesus monkeys (Macaca) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	49
106	Personality characteristics and basal cortisol concentrations in adult male rhesus macaques (Macaca mulatta). Psychoneuroendocrinology, 2004, 29, 1300-1308.	1.3	45
107	The amygdala: is it an essential component of the neural network for social cognition?. Neuropsychologia, 2003, 41, 517-522.	0.7	82
108	Personality influences tetanus-specific antibody response in adult male rhesus macaques after removal from natal group and housing relocation. American Journal of Primatology, 2003, 61, 73-83.	0.8	77

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109	Cortisol responses to immobilization with Telazol or ketamine in baboons (Papio) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td 32, 148-160.	0.3	51
110	Sociability and responses to video playbacks in adult male rhesus monkeys (Macaca mulatta). Primates, 2002, 43, 169-177.	0.7	47
111	Increased social fear and decreased fear of objects in monkeys with neonatal amygdala lesions. Neuroscience, 2001, 106, 653-658.	1.1	229
112	The effects of bilateral lesions of the amygdala on dyadic social interactions in rhesus monkeys (Macaca mulatta).. Behavioral Neuroscience, 2001, 115, 515-544.	0.6	248
113	Cognitive style: Problem solving by rhesus macaques (Macaca mulatta) reared with living or inanimate substitute mothers.. Journal of Comparative Psychology (Washington, D C: 1983), 2000, 114, 115-125.	0.3	24
114	Personality dimensions in adult male rhesus macaques: Prediction of behaviors across time and situation. American Journal of Primatology, 1999, 47, 299-320.	0.8	226
115	The Relationship of Personality Dimensions in Adult Male Rhesus Macaques to Progression of Simian Immunodeficiency Virus Disease. Brain, Behavior, and Immunity, 1999, 13, 138-154.	2.0	96
116	Individual differences in peripheral blood immunological and hormonal measures in adult male rhesus macaques (Macaca mulatta): Evidence for temporal and situational consistency. , 1998, 44, 29-41.		55
117	Social Experience and Immune System Measures in Laboratory-housed Macaques: Implications for Management and Research. ILAR Journal, 1998, 39, 12-20.	1.8	12
118	Social stress results in altered glucocorticoid regulation and shorter survival in simian acquired immune deficiency syndrome. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 4714-4719.	3.3	167
119	Social Separation, Housing Relocation, and Survival in Simian AIDS. Psychosomatic Medicine, 1998, 60, 235-244.	1.3	59
120	Influences of blood sampling procedures on basal hypothalamicâ€pituitaryâ€adrenal hormone levels and leukocyte values in rhesus macaques (Macaca mulatta). Journal of Medical Primatology, 1996, 25, 26-33.	0.3	41
121	Black heterosexualsâ€™ attitudes toward lesbians and gay men in the United States. Journal of Sex Research, 1995, 32, 95-105.	1.6	294
122	What do attachment objects afford?. Behavioral and Brain Sciences, 1992, 15, 512-513.	0.4	8
123	Levels of integration and the â€˜inheritance of dominanceâ€™. Animal Behaviour, 1991, 42, 495-496.	0.8	16
124	Psychosocial factors and disease progression in simian AIDS. Aids, 1991, 5, 1103-1106.	1.0	30
125	Formation and expression of filial attachment in rhesus monkeys raised with living and inanimate mother substitutes. Developmental Psychobiology, 1988, 21, 401-430.	0.9	83
126	LONG-TERM FOLLOW-UP OF PREVIOUSLY SEPARATED PIGTAIL MACAQUES: GROUP AND INDIVIDUAL DIFFERENCES IN RESPONSE TO NOVEL SITUATIONS. Journal of Child Psychology and Psychiatry and Allied Disciplines, 1986, 27, 531-538.	3.1	50

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127	Early experience and social processes in rhesus macaques (Macaca mulatta): II. Complex social interaction.. Journal of Comparative Psychology (Washington, D C: 1983), 1985, 99, 133-144.	0.3	57
128	The influence of rank on affect perception by pigtailed macaques (Macaca nemestrina). American Journal of Primatology, 1985, 8, 53-59.	0.8	26
129	The roles of early separation experience and prior familiarity in the social relations of pigtail macaques: A descriptive multivariate study. Primates, 1984, 25, 475-484.	0.7	46
130	Why primate models matter. , 0, .		1
131	Health and Social Relationships in Nonhuman Primates: Toward a Comparative Health Psychology. , 0, , 860-884.		3
132	Determination of dexamethasone dose for cortisol suppression in adult common marmosets () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.3	1