

# Ricki J Colman

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104  
papers

6,102  
citations

37  
h-index

77  
g-index

109  
ext. papers

6,938  
ext. citations

6.1  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
104	Adiponectin receptor agonist AdipoRon improves skeletal muscle function in aged mice.. <i>ELife</i> , <b>2022</b> , 11,	8.9	3
103	Development and validation of an LC-MS/MS based quantitative assay for marmoset insulin in serum.. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2022</b> , 1195, 123150	3.2	
102	Motivational increase of androgens and behavior by infant distress calls in highly responsive common marmoset fathers, <i>Callithrix jacchus</i> .. <i>Hormones and Behavior</i> , <b>2022</b> , 142, 105162	3.7	
101	Aromatase Inhibition Eliminates Sexual Receptivity Without Enhancing Weight Gain in Ovariectomized Marmoset Monkeys.. <i>Journal of the Endocrine Society</i> , <b>2022</b> , 6, bvac063	0.4	0
100	Structural and functional variations in the prefrontal cortex are associated with learning in pre-adolescent common marmosets ( <i>Callithrix jacchus</i> ). <i>Behavioural Brain Research</i> , <b>2022</b> , 430, 113920	3.4	0
99	Current practices in nutrition management and disease incidence of common marmosets ( <i>Callithrix jacchus</i> ). <i>Journal of Medical Primatology</i> , <b>2021</b> , 50, 164-175	0.7	3
98	Rhesus monkeys as a translational model for late-onset Alzheimer's disease. <i>Aging Cell</i> , <b>2021</b> , 20, e13374	4.9	1
97	Marmoset Metabolism, Nutrition, and Obesity. <i>ILAR Journal</i> , <b>2021</b> ,	1.7	1
96	Marmosets: Welfare, Ethical Use, and IACUC/Regulatory Considerations. <i>ILAR Journal</i> , <b>2021</b> ,	1.7	4
95	Improving rigor and reproducibility in nonhuman primate research. <i>American Journal of Primatology</i> , <b>2021</b> , 83, e23331	2.5	4
94	Fasting blood glucose as a predictor of mortality: Lost in translation. <i>Cell Metabolism</i> , <b>2021</b> , 33, 2189-2200	14.3	3
93	Untangling Determinants of Enhanced Health and Lifespan through a Multi-omics Approach in Mice. <i>Cell Metabolism</i> , <b>2020</b> , 32, 100-116.e4	24.6	27
92	Early learning in the common marmoset ( <i>Callithrix jacchus</i> ): Behavior in the family group is related to preadolescent cognitive performance. <i>American Journal of Primatology</i> , <b>2020</b> , 82, e23159	2.5	4
91	Age-Related Differences in the Gut Microbiome of Rhesus Macaques. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2020</b> , 75, 1293-1298	6.4	15
90	Molecular and Functional Networks Linked to Sarcopenia Prevention by Caloric Restriction in Rhesus Monkeys. <i>Cell Systems</i> , <b>2020</b> , 10, 156-168.e5	10.6	15
89	Evaluation of vitamin D metabolites in <i>Callithrix jacchus</i> (common marmoset). <i>American Journal of Primatology</i> , <b>2020</b> , 82, e23131	2.5	2
88	Inexpensive Home Infrared Living/Environment Sensor with Regional Thermal Information for Infant Physical and Psychological Development. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	3

87	SAT-597 Hypothalamic ESR1 Gene Knockdown Elicits Intermittent Decrement in Postprandial Energy Expenditure Associated with Obesity Onset in Female Rhesus Monkeys. <i>Journal of the Endocrine Society</i> , <b>2020</b> , 4,	0.4	78
86	Ketamine-induced neuromuscular reactivity is associated with aging in female rhesus macaques. <i>PLoS ONE</i> , <b>2020</b> , 15, e0236430	3.7	1
85	Diet, digestion and energy intake in captive common marmosets ( <i>Callithrix jacchus</i> ): research and management implications. <i>Scientific Reports</i> , <b>2019</b> , 9, 12134	4.9	6
84	Top-down Mass Spectrometry of Sarcomeric Protein Post-translational Modifications from Non-human Primate Skeletal Muscle. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 2460-2469	3.5	21
83	Maintenance of bone mass despite estrogen depletion in female common marmoset monkeys ( <i>Callithrix jacchus</i> ). <i>American Journal of Primatology</i> , <b>2019</b> , 81, e22905	2.5	3
82	Ovarian estradiol supports sexual behavior but not energy homeostasis in female marmoset monkeys. <i>International Journal of Obesity</i> , <b>2019</b> , 43, 1034-1045	5.5	1
81	Impact of dietary fat and sucrose consumption on cardiac fibrosis in rhesus monkeys and mice. <i>FASEB Journal</i> , <b>2019</b> , 33, lb467	0.9	
80	Caloric Restriction Engages Hepatic RNA Processing Mechanisms in Rhesus Monkeys. <i>Cell Metabolism</i> , <b>2018</b> , 27, 677-688.e5	24.6	37
79	Response to Le Bourg. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2018</b> , 73, 310	6.4	1
78	Caloric Restriction and Healthy Life Span: Frail Phenotype of Nonhuman Primates in the Wisconsin National Primate Research Center Caloric Restriction Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2018</b> , 73, 273-278	6.4	36
77	Non-human primates as a model for aging. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2018</b> , 1864, 2733-2741	6.9	49
76	Caloric restriction improves health and survival of rhesus monkeys. <i>Nature Communications</i> , <b>2017</b> , 8, 14063	17.4	424
75	Caloric restriction delays age-related methylation drift. <i>Nature Communications</i> , <b>2017</b> , 8, 539	17.4	146
74	Caloric restriction impacts plasma microRNAs in rhesus monkeys. <i>Aging Cell</i> , <b>2017</b> , 16, 1200-1203	9.9	20
73	Fathering style influences health outcome in common marmoset ( <i>Callithrix jacchus</i> ) offspring. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185695	3.7	9
72	Regional metabolic heterogeneity of the hippocampus is nonuniformly impacted by age and caloric restriction. <i>Aging Cell</i> , <b>2016</b> , 15, 100-10	9.9	20
71	Hyperinsulinemia/diabetes, hearing, and aging in the University of Wisconsin calorie restriction monkeys. <i>Hearing Research</i> , <b>2015</b> , 328, 78-86	3.9	5
70	Plasma diacylglycerol composition is a biomarker of metabolic syndrome onset in rhesus monkeys. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1461-70	6.3	13

69	High fat diet decreases beneficial effects of estrogen on serotonin-related gene expression in marmosets. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2015</b> , 58, 71-80	5.5	7
68	Effect of age and calorie restriction on corpus callosal integrity in rhesus macaques: a fiber tractography study. <i>Neuroscience Letters</i> , <b>2014</b> , 569, 38-42	3.3	6
67	Syndecan-1 is required to maintain intradermal fat and prevent cold stress. <i>PLoS Genetics</i> , <b>2014</b> , 10, e10041514	6.8	68
66	Caloric restriction reduces age-related and all-cause mortality in rhesus monkeys. <i>Nature Communications</i> , <b>2014</b> , 5, 3557	17.4	465
65	Long-term calorie restriction decreases metabolic cost of movement and prevents decrease of physical activity during aging in rhesus monkeys. <i>Experimental Gerontology</i> , <b>2013</b> , 48, 1226-35	4.5	44
64	Calorie restriction attenuates astrogliosis but not amyloid plaque load in aged rhesus macaques: a preliminary quantitative imaging study. <i>Brain Research</i> , <b>2013</b> , 1508, 1-8	3.7	17
63	Circulating factors induced by caloric restriction in the nonhuman primate <i>Macaca mulatta</i> activate angiogenic processes in endothelial cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2013</b> , 68, 235-49	6.4	47
62	A shift in energy metabolism anticipates the onset of sarcopenia in rhesus monkeys. <i>Aging Cell</i> , <b>2013</b> , 12, 672-81	9.9	57
61	Development of metabolic function biomarkers in the common marmoset, <i>Callithrix jacchus</i> . <i>American Journal of Primatology</i> , <b>2013</b> , 75, 500-8	2.5	13
60	Using snacks high in fat and protein to improve glucoregulatory function in adolescent male marmosets ( <i>Callithrix jacchus</i> ). <i>Journal of the American Association for Laboratory Animal Science</i> , <b>2013</b> , 52, 756-62	1.3	6
59	Calorie restriction reduces psychological stress reactivity and its association with brain volume and microstructure in aged rhesus monkeys. <i>Psychoneuroendocrinology</i> , <b>2012</b> , 37, 903-16	5	32
58	Skeletal effects of long-term caloric restriction in rhesus monkeys. <i>Age</i> , <b>2012</b> , 34, 1133-43		16
57	Homocysteine, neural atrophy, and the effect of caloric restriction in rhesus monkeys. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 670-80	5.6	16
56	Early-to-mid gestation fetal testosterone increases right hand 2D:4D finger length ratio in polycystic ovary syndrome-like monkeys. <i>PLoS ONE</i> , <b>2012</b> , 7, e42372	3.7	53
55	Brain volumetric and microstructural correlates of executive and motor performance in aged rhesus monkeys. <i>Frontiers in Aging Neuroscience</i> , <b>2012</b> , 4, 31	5.3	22
54	Cellular adaptation contributes to calorie restriction-induced preservation of skeletal muscle in aged rhesus monkeys. <i>Experimental Gerontology</i> , <b>2012</b> , 47, 229-36	4.5	43
53	Calorie restriction reduces the influence of glucoregulatory dysfunction on regional brain volume in aged rhesus monkeys. <i>Diabetes</i> , <b>2012</b> , 61, 1036-42	0.9	38
52	Body weight impact on puberty: effects of high-calorie diet on puberty onset in female rhesus monkeys. <i>Endocrinology</i> , <b>2012</b> , 153, 1696-705	4.8	44

51	A calorie-restricted diet decreases brain iron accumulation and preserves motor performance in old rhesus monkeys. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 11897-904	6.6	28
50	Sex differences in spinal osteoarthritis in humans and rhesus monkeys ( <i>Macaca mulatta</i> ). <i>Spine</i> , <b>2012</b> , 37, 915-22	3.3	16
49	Calorie Restriction in Nonhuman and Human Primates <b>2011</b> , 447-461		1
48	Caloric restriction delays aging-induced cellular phenotypes in rhesus monkey skeletal muscle. <i>Experimental Gerontology</i> , <b>2011</b> , 46, 23-9	4.5	73
47	Longitudinal study of radiographic spinal osteoarthritis in a macaque model. <i>Journal of Orthopaedic Research</i> , <b>2011</b> , 29, 1152-60	3.8	13
46	Nonhuman primate calorie restriction. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 14, 229-39	8.4	51
45	Prospects and perspectives in primate aging research. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 14, 203-5	8.4	8
44	B(V) collagen is critical for glucose homeostasis in mice due to effects in pancreatic islets and peripheral tissues. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 769-83	15.9	36
43	Glucoregulatory function in adult rhesus macaques ( <i>Macaca mulatta</i> ) undergoing treatment with medroxyprogesterone acetate for endometriosis. <i>Journal of the American Association for Laboratory Animal Science</i> , <b>2011</b> , 50, 921-5	1.3	13
42	A calorie-restricted diet decreases brain iron accumulation and preserves motor performance in old rhesus monkeys. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 7940-7	6.6	42
41	Aging and the Effect of Calorie Restriction in Rhesus Monkeys <b>2010</b> , 55-78		2
40	Age-related changes in neural volume and microstructure associated with interleukin-6 are ameliorated by a calorie-restricted diet in old rhesus monkeys. <i>NeuroImage</i> , <b>2010</b> , 51, 987-94	7.9	46
39	Exploring Mechanisms of Aging Retardation by Caloric Restriction: Studies in Model Organisms and Mammals <b>2010</b> , 69-96		
38	Longitudinal analysis of early stage sarcopenia in aging rhesus monkeys. <i>Experimental Gerontology</i> , <b>2009</b> , 44, 170-6	4.5	29
37	Metabolic shifts due to long-term caloric restriction revealed in nonhuman primates. <i>Experimental Gerontology</i> , <b>2009</b> , 44, 356-62	4.5	64
36	Caloric restriction delays disease onset and mortality in rhesus monkeys. <i>Science</i> , <b>2009</b> , 325, 201-4	33.3	1708
35	Effects of caloric restriction on cardiovascular aging in non-human primates and humans. <i>Clinics in Geriatric Medicine</i> , <b>2009</b> , 25, 733-43, ix-x	3.8	61
34	Attenuation of sarcopenia by dietary restriction in rhesus monkeys. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2008</b> , 63, 556-9	6.4	112

33	Influences of calorie restriction and age on energy expenditure in the rhesus monkey. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E101-6	6	19
32	Prenatal androgen excess negatively impacts body fat distribution in a nonhuman primate model of polycystic ovary syndrome. <i>International Journal of Obesity</i> , <b>2007</b> , 31, 1579-85	5.5	36
31	Metabolizable energy intake during long-term calorie restriction in rhesus monkeys. <i>Experimental Gerontology</i> , <b>2007</b> , 42, 988-94	4.5	8
30	Energy restriction-induced changes in body composition are age specific in mice. <i>Journal of Nutrition</i> , <b>2007</b> , 137, 2247-51	4.1	13
29	Assessment of nutritional status in rhesus monkeys: comparison of dual-energy X-ray absorptiometry and stable isotope dilution. <i>Journal of Medical Primatology</i> , <b>2005</b> , 34, 130-8	0.7	15
28	Muscle mass loss in Rhesus monkeys: age of onset. <i>Experimental Gerontology</i> , <b>2005</b> , 40, 573-81	4.5	42
27	Progressive arthropathy in mice with a targeted disruption of the Mop3/Bmal-1 locus. <i>Genesis</i> , <b>2005</b> , 41, 122-32	1.9	158
26	Reference body composition in adult rhesus monkeys: glucoregulatory and anthropometric indices. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2005</b> , 60, 1518-24	6.4	18
25	Insulin resistance and impaired insulin secretion in prenatally androgenized male rhesus monkeys. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 6218-23	5.6	75
24	Familial aggregation of endometriosis in a large pedigree of rhesus macaques. <i>Human Reproduction</i> , <b>2004</b> , 19, 448-55	5.7	75
23	Energy expenditure of rhesus monkeys subjected to 11 years of dietary restriction. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 16-23	5.6	107
22	Insulin sensitivity and glucose effectiveness from three minimal models: effects of energy restriction and body fat in adult male rhesus monkeys. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2003</b> , 285, R1340-54	3.2	25
21	Bone loss detection in rats using a mouse densitometer. <i>Journal of Bone and Mineral Research</i> , <b>2003</b> , 18, 370-5	6.3	25
20	Increased adiposity in female rhesus monkeys exposed to androgen excess during early gestation. <i>Obesity</i> , <b>2003</b> , 11, 279-86		99
19	Dietary restriction and beta-cell sensitivity to glucose in adult male rhesus monkeys. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2003</b> , 58, 598-610	6.4	8
18	Authors' Response: Dubious Assumptions Underlying the Adjustment of Metabolic Rates for Changes in Fat-Free Mass. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 3454-3455	5.6	1
17	Aspects of common marmoset basic biology and life history important for biomedical research. <i>Comparative Medicine</i> , <b>2003</b> , 53, 339-50	1.6	247
16	Growth hormone therapy during neonatal hypoxia in rats: body composition, bone mineral density, and insulin-like growth factor-1 expression. <i>Endocrine</i> , <b>2001</b> , 16, 139-43		10

15	Effect of neonatal hypoxia on leptin, insulin, growth hormone and body composition in the rat. <i>Hormone and Metabolic Research</i> , <b>2001</b> , 33, 151-5	3.1	44
14	Dietary restriction and glucose regulation in aging rhesus monkeys: a follow-up report at 8.5 yr. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2001</b> , 281, E757-65	6	73
13	Dietary restriction and aging in rhesus monkeys: the University of Wisconsin study. <i>Experimental Gerontology</i> , <b>2000</b> , 35, 1131-49	4.5	168
12	Skeletal effects of aging and menopausal status in female rhesus macaques. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1999</b> , 84, 4144-8	5.6	54
11	Body fat distribution with long-term dietary restriction in adult male rhesus macaques. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>1999</b> , 54, B283-90	6.4	35
10	Skeletal effects of aging in male rhesus monkeys. <i>Bone</i> , <b>1999</b> , 24, 17-23	4.7	79
9	A comparison of dual-energy X-ray absorptiometry and somatometrics for determining body fat in rhesus macaques. <i>Obesity</i> , <b>1999</b> , 7, 90-6		20
8	Skeletal Effects of Aging and Menopausal Status in Female Rhesus Macaques. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1999</b> , 84, 4144-4148	5.6	41
7	Insights into the development of polycystic ovary syndrome (PCOS) from studies of prenatally androgenized female rhesus monkeys. <i>Trends in Endocrinology and Metabolism</i> , <b>1998</b> , 9, 62-7	8.8	170
6	The effect of dietary restriction on body composition in adult male and female rhesus macaques. <i>Aging Clinical and Experimental Research</i> , <b>1998</b> , 10, 83-92	4.8	33
5	Different central and peripheral responses to leptin in rhesus monkeys: brain transport may be limited. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1998</b> , 83, 3230-5	5.6	27
4	Energy expenditure, body composition, and glucose metabolism in lean and obese rhesus monkeys treated with ephedrine and caffeine. <i>American Journal of Clinical Nutrition</i> , <b>1998</b> , 68, 42-51	7	25
3	Aging Experiments Using Nonhuman Primates <b>1998</b> , 249-267		8
2	Different Central and Peripheral Responses to Leptin in Rhesus Monkeys: Brain Transport May Be Limited. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1998</b> , 83, 3230-3235	5.6	28
1	The effect of advancing age on bone mineral content of female rhesus monkeys. <i>Bone</i> , <b>1996</b> , 19, 485-92	4.7	62