

Thomas C Register

List of Publications by Year
in descending order

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Version: 2024-02-01

106
papers

3,550
citations

136950

32
h-index

161849

54
g-index

115
all docs

115
docs citations

115
times ranked

4865
citing authors

#	ARTICLE	IF	CITATIONS
1	Medroxyprogesterone Acetate Antagonizes Inhibitory Effects of Conjugated Equine Estrogens on Coronary Artery Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 217-221.	2.4	323
2	Comparative Microbiome Signatures and Short-Chain Fatty Acids in Mouse, Rat, Non-human Primate, and Human Feces. <i>Frontiers in Microbiology</i> , 2018, 9, 2897.	3.5	170
3	Modified ketogenic diet is associated with improved cerebrospinal fluid biomarker profile, cerebral perfusion, and cerebral ketone body uptake in older adults at risk for Alzheimer's disease: a pilot study. <i>Neurobiology of Aging</i> , 2020, 86, 54-63.	3.1	136
4	Social stress-associated depression in adult female cynomolgus monkeys (<i>Macaca fascicularis</i>). <i>Biological Psychology</i> , 2005, 69, 67-84.	2.2	132
5	Gut Microbiome Composition in Non-human Primates Consuming a Western or Mediterranean Diet. <i>Frontiers in Nutrition</i> , 2018, 5, 28.	3.7	125
6	Social stress, visceral obesity, and coronary artery atherosclerosis: product of a primate adaptation. <i>American Journal of Primatology</i> , 2009, 71, 742-751.	1.7	119
7	Consumption of Mediterranean versus Western Diet Leads to Distinct Mammary Gland Microbiome Populations. <i>Cell Reports</i> , 2018, 25, 47-56.e3.	6.4	114
8	Effect of Voluntary Weight Loss on Bone Mineral Density in Older Overweight Women. <i>Journal of the American Geriatrics Society</i> , 2000, 48, 753-759.	2.6	104
9	Blood cell respirometry is associated with skeletal and cardiac muscle bioenergetics: Implications for a minimally invasive biomarker of mitochondrial health. <i>Redox Biology</i> , 2016, 10, 65-77.	9.0	82
10	Gut microbiome-Mediterranean diet interactions in improving host health. <i>F1000Research</i> , 2019, 8, 699.	1.6	81
11	Effects of estradiol with micronized progesterone or medroxyprogesterone acetate on risk markers for breast cancer in postmenopausal monkeys. <i>Breast Cancer Research and Treatment</i> , 2007, 101, 125-134.	2.5	80
12	Assessment of Hormonally Active Agents in the Reproductive Tract of Female Nonhuman Primates. <i>Toxicologic Pathology</i> , 2001, 29, 84-90.	1.8	73
13	APOL1 associations with nephropathy, atherosclerosis, and all-cause mortality in African Americans with type 2 diabetes. <i>Kidney International</i> , 2015, 87, 176-181.	5.2	71
14	Social Stress, Visceral Obesity, and Coronary Artery Atherosclerosis in Female Primates. <i>Obesity</i> , 2009, 17, 1513-1520.	3.0	68
15	Effects of Soy Isoflavones and Conjugated Equine Estrogens on Inflammatory Markers in Atherosclerotic, Ovariectomized Monkeys. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 1734-1740.	3.6	65
16	Mediterranean versus Western Diet Effects on Caloric Intake, Obesity, Metabolism, and Hepatosteatosis in Nonhuman Primates. <i>Obesity</i> , 2019, 27, 777-784.	3.0	65
17	A nonhuman primate model of early Alzheimer's disease pathologic change: Implications for disease pathogenesis. <i>Alzheimer's and Dementia</i> , 2019, 15, 93-105.	0.8	65
18	Transcriptomic profiles of aging in purified human immune cells. <i>BMC Genomics</i> , 2015, 16, 333.	2.8	58

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19	Soy Phytoestrogens Do Not Prevent Bone Loss in Postmenopausal Monkeys. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 4362-4370.	3.6	57
20	Diet, obesity, and the gut microbiome as determinants modulating metabolic outcomes in a non-human primate model. <i>Microbiome</i> , 2021, 9, 100.	11.1	56
21	Soy Protein Containing Isoflavones Reduces the Size of Atherosclerotic Plaques without Affecting Coronary Artery Reactivity in Adult Male Monkeys. <i>Journal of Nutrition</i> , 2005, 135, 2852-2856.	2.9	55
22	Genome-wide association study of coronary artery calcified atherosclerotic plaque in African Americans with type 2 diabetes. <i>BMC Genetics</i> , 2017, 18, 105.	2.7	54
23	Blood-Based Bioenergetic Profiling Reflects Differences in Brain Bioenergetics and Metabolism. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-9.	4.0	51
24	Sclerostin Is Positively Associated With Bone Mineral Density in Men and Women and Negatively Associated With Carotid Calcified Atherosclerotic Plaque in Men From the African American-Diabetes Heart Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 315-321.	3.6	47
25	Plasma Dickkopf1 (DKK1) Concentrations Negatively Associate with Atherosclerotic Calcified Plaque in African-Americans with Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E60-E65.	3.6	43
26	Novel Genetic Variants Associated With Increased Vertebral Volumetric BMD, Reduced Vertebral Fracture Risk, and Increased Expression of <i>SLC1A3</i> and <i>EPHB2</i> . <i>Journal of Bone and Mineral Research</i> , 2016, 31, 2085-2097.	2.8	42
27	Late Effects of Total-Body Gamma Irradiation on Cardiac Structure and Function in Male Rhesus Macaques. <i>Radiation Research</i> , 2016, 186, 55-64.	1.5	42
28	Effect of Exercise Modality During Weight Loss on Bone Health in Older Adults With Obesity and Cardiovascular Disease or Metabolic Syndrome: A Randomized Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 2140-2149.	2.8	41
29	Effects of Long-Term Sertraline Treatment and Depression on Coronary Artery Atherosclerosis in Premenopausal Female Primates. <i>Psychosomatic Medicine</i> , 2015, 77, 267-278.	2.0	37
30	Mediterranean and Western diet effects on Alzheimer's disease biomarkers, cerebral perfusion, and cognition in mid-life: A randomized trial. <i>Alzheimer's and Dementia</i> , 2022, 18, 457-468.	0.8	37
31	Variability of Serum Soluble Intercellular Adhesion Molecule-1 Measurements Attributable to a Common Polymorphism. <i>Clinical Chemistry</i> , 2004, 50, 2185-2187.	3.2	35
32	In vivo transplantation of 3D encapsulated ovarian constructs in rats corrects abnormalities of ovarian failure. <i>Nature Communications</i> , 2017, 8, 1858.	12.8	35
33	Primate models in women's health: inflammation and atherogenesis in female cynomolgus macaques (<i>Macaca fascicularis</i>). <i>American Journal of Primatology</i> , 2009, 71, 766-775.	1.7	34
34	Plasma lipid-dependent and -independent effects of dietary soy protein and social status on atherogenesis in premenopausal monkeys. <i>Menopause</i> , 2008, 15, 950-957.	2.0	31
35	Age-related degenerative functional, radiographic, and histological changes of the shoulder in nonhuman primates. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, 1019-1029.	2.6	31
36	Osteoarthritic changes in vervet monkey knees correlate with meniscus degradation and increased matrix metalloproteinase and cytokine secretion. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1780-1789.	1.3	31

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37	Type 2 diabetes is not independently associated with spinal trabecular volumetric bone mineral density measured by QCT in the Diabetes Heart Study. <i>Bone</i> , 2006, 39, 628-633.	2.9	30
38	Effects of dietary soy protein on iliac and carotid artery atherosclerosis and gene expression in male monkeys. <i>Atherosclerosis</i> , 2008, 196, 106-113.	0.8	30
39	Aging and physical mobility in group-housed Old World monkeys. <i>Age</i> , 2012, 34, 1123-1131.	3.0	30
40	Mediterranean diet, stress resilience, and aging in nonhuman primates. <i>Neurobiology of Stress</i> , 2020, 13, 100254.	4.0	29
41	Development of amyloid burden in African Green monkeys. <i>Neurobiology of Aging</i> , 2013, 34, 2361-2369.	3.1	28
42	Age-Related Decline in Expression of Molecular Chaperones Induces Endoplasmic Reticulum Stress and Chondrocyte Apoptosis in Articular Cartilage. , 2020, 11, 1091.		28
43	Ten-Year Trends in Coronary Calcification in Individuals without Clinical Cardiovascular Disease in the Multi-Ethnic Study of Atherosclerosis. <i>PLoS ONE</i> , 2014, 9, e94916.	2.5	25
44	Type 2 Diabetes is a Delayed Late Effect of Whole-Body Irradiation in Nonhuman Primates. <i>Radiation Research</i> , 2015, 183, 398-406.	1.5	25
45	Changes in Bone Mass and Bone Biomarkers of <i>Cynomolgus</i> Monkeys during Pregnancy and Lactation1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 4298-4302.	3.6	24
46	Relationships Between Serum Adiponectin and Bone Density, Adiposity and Calcified Atherosclerotic Plaque in the African American-Diabetes Heart Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 1916-1922.	3.6	23
47	Force-Generation Capacity of Single Vastus Lateralis Muscle Fibers and Physical Function Decline With Age in African Green Vervet Monkeys. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 258-267.	3.6	23
48	Intranasal insulin modulates cerebrospinal fluid markers of neuroinflammation in mild cognitive impairment and Alzheimer's disease: a randomized trial. <i>Scientific Reports</i> , 2022, 12, 1346.	3.3	22
49	FGF23 Concentration and APOL1 Genotype Are Novel Predictors of Mortality in African Americans With Type 2 Diabetes. <i>Diabetes Care</i> , 2018, 41, 178-186.	8.6	21
50	Aromatase and estrogen receptor immunoreactivity in the coronary arteries of monkeys and human subjects. <i>Menopause</i> , 2018, 25, 1201-1207.	2.0	21
51	Differential effects of estradiol on carotid artery inflammation when administered early versus late after surgical menopause. <i>Menopause</i> , 2013, 20, 540-547.	2.0	21
52	Late effects of total body irradiation on hematopoietic recovery and immune function in rhesus macaques. <i>PLoS ONE</i> , 2019, 14, e0210663.	2.5	20
53	Contrasting effects of Western vs Mediterranean diets on monocyte inflammatory gene expression and social behavior in a primate model. <i>ELife</i> , 2021, 10, .	6.0	19
54	Effects of tibolone and conventional hormone replacement therapies on arterial and hepatic cholesterol accumulation and on circulating endothelin-1, vascular cell adhesion molecule-1, and E-selectin in surgically menopausal monkeys. <i>Menopause</i> , 2002, 9, 411-421.	2.0	18

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55	Adiposity is inversely associated with hippocampal volume in African Americans and European Americans with diabetes. <i>Journal of Diabetes and Its Complications</i> , 2016, 30, 1506-1512.	2.3	18
56	Bone Mineral Density and Progression of Subclinical Atherosclerosis in African-Americans With Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4135-4141.	3.6	18
57	Nontraditional Applications in Clinical Pathology. <i>Toxicologic Pathology</i> , 2014, 42, 1058-1068.	1.8	17
58	Sertraline inhibits increases in body fat and carbohydrate dysregulation in adult female cynomolgus monkeys. <i>Psychoneuroendocrinology</i> , 2016, 68, 29-38.	2.7	16
59	Psoas and paraspinous muscle index as a predictor of mortality in African American men with type 2 diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 558-564.	2.3	16
60	Novel fatty acyl apoE mimetic peptides have increased potency to reduce plasma cholesterol in mice and macaques. <i>Journal of Lipid Research</i> , 2018, 59, 2075-2083.	4.2	16
61	Aging-related Alzheimer's disease-like neuropathology and functional decline in captive vervet monkeys (<i>Chlorocebus aethiops sabaeus</i>). <i>American Journal of Primatology</i> , 2021, 83, e23260.	1.7	16
62	Clinicopathologic and Transcriptomic Analysis of Radiation-Induced Lung Injury in Nonhuman Primates. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 249-259.	0.8	16
63	Skeletal Muscle Mitochondrial Respiration Is Elevated in Female Cynomolgus Macaques Fed a Western Compared with a Mediterranean Diet. <i>Journal of Nutrition</i> , 2019, 149, 1493-1502.	2.9	15
64	Diet, psychosocial stress, and Alzheimer's disease-related neuroanatomy in female nonhuman primates. <i>Alzheimer's and Dementia</i> , 2021, 17, 733-744.	0.8	15
65	Effects of social status and moderate alcohol consumption on mammary gland and endometrium of surgically postmenopausal monkeys. <i>Menopause</i> , 2004, 11, 389-399.	2.0	14
66	Altered expression of glial and synaptic markers in the anterior hippocampus of behaviorally depressed female monkeys. <i>Neuroscience Letters</i> , 2014, 563, 1-5.	2.1	14
67	Preclinical laboratory assessments of predictors of social rank in female cynomolgus monkeys. <i>American Journal of Primatology</i> , 2016, 78, 402-417.	1.7	14
68	Single-synapse analyses of Alzheimer's disease implicate pathologic tau, DJ1, CD47, and ApoE. <i>Science Advances</i> , 2021, 7, eabk0473.	10.3	14
69	Relationships between measures of adiposity with subclinical atherosclerosis in patients with type 2 diabetes. <i>Obesity</i> , 2016, 24, 1810-1818.	3.0	12
70	Monocyte Polarization is Altered by Total-Body Irradiation in Male Rhesus Macaques: Implications for Delayed Effects of Acute Radiation Exposure. <i>Radiation Research</i> , 2019, 192, 121.	1.5	11
71	Effects of Pubertal Exposure to Dietary Soy on Estrogen Receptor Activity in the Breast of Cynomolgus Macaques. <i>Cancer Prevention Research</i> , 2016, 9, 385-395.	1.5	10
72	Atherosclerosis and Vascular Biologic Responses to Estrogens: Histologic, Immunohistochemical, Biochemical, and Molecular Methods. <i>Methods in Molecular Biology</i> , 2016, 1366, 517-532.	0.9	10

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73	Monocyte Chemoattractant Protein-1 as a Predictor of Coronary Atherosclerosis in Patients Receiving Coronary Angiography. <i>Critical Pathways in Cardiology</i> , 2018, 17, 105-110.	0.5	10
74	Non-human Primate and Rat Cardiac Fibroblasts Show Similar Extracellular Matrix-related and Cellular Adhesion Gene Responses to Substance P. <i>Heart Lung and Circulation</i> , 2015, 24, 395-403.	0.4	9
75	Subclinical Atherosclerosis Is Inversely Associated With Gray Matter Volume in African Americans With Type 2 Diabetes. <i>Diabetes Care</i> , 2015, 38, 2158-2165.	8.6	9
76	Both diet and <i>Helicobacter pylori</i> infection contribute to atherosclerosis in pre- and postmenopausal cynomolgus monkeys. <i>PLoS ONE</i> , 2019, 14, e0222001.	2.5	9
77	Pre-Clinical Investigation of Keratose as an Excipient of Drug Coated Balloons. <i>Molecules</i> , 2020, 25, 1596.	3.8	9
78	Temporal emergence of age-associated changes in cognitive and physical function in vervets (<i>Chlorocebus aethiops sabaeus</i>). <i>GeroScience</i> , 2021, 43, 1303-1315.	4.6	9
79	Isoform-specific dysregulation of AMP-activated protein kinase signaling in a non-human primate model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2021, 158, 105463.	4.4	9
80	Age-related structural changes in upper extremity muscle tissue in a nonhuman primate model. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 1660-1668.	2.6	8
81	Beneficial effects of soy supplementation on postmenopausal atherosclerosis are dependent on pretreatment stage of plaque progression. <i>Menopause</i> , 2015, 22, 289-296.	2.0	8
82	Bone Mineral Density of the Radius Predicts All-Cause Mortality in Patients With Type 2 Diabetes: Diabetes Heart Study. <i>Journal of Clinical Densitometry</i> , 2018, 21, 347-354.	1.2	8
83	Relationships of depressive behavior and sertraline treatment with walking speed and activity in older female nonhuman primates. <i>GeroScience</i> , 2017, 39, 585-600.	4.6	7
84	Adipose tissue depot volume relationships with spinal trabecular bone mineral density in African Americans with diabetes. <i>PLoS ONE</i> , 2018, 13, e0191674.	2.5	7
85	Genome-wide association study of vitamin D concentrations and bone mineral density in the African American-Diabetes Heart Study. <i>PLoS ONE</i> , 2021, 16, e0251423.	2.5	6
86	Health issues in postmenopausal women who drink. <i>Alcohol Research</i> , 2002, 26, 299-307.	1.0	6
87	Admixture mapping of serum vitamin D and parathyroid hormone concentrations in the African American-Diabetes Heart Study. <i>Bone</i> , 2016, 87, 71-77.	2.9	5
88	Mediterranean Diet Reduces Social Isolation and Anxiety in Adult Female Nonhuman Primates. <i>Nutrients</i> , 2022, 14, 2852.	4.1	5
89	O4â€05â€03: Ketogenic Diet Effects on Brain Ketone Metabolism and Alzheimer's Disease Csf Biomarkers. <i>Alzheimer's and Dementia</i> , 2016, 12, P342.	0.8	4
90	Volumetric bone mineral density of the spine predicts mortality in African-American men with type 2 diabetes. <i>Osteoporosis International</i> , 2018, 29, 2049-2057.	3.1	4

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91	Serum YKL-40 is associated with osteoarthritis and atherosclerosis in nonhuman primates. <i>Clinical Chemistry</i> , 2001, 47, 2159-61.	3.2	4
92	Brain region-specific disruption of mitochondrial bioenergetics in cynomolgus macaques fed a Western versus a Mediterranean diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E652-E664.	3.5	3
93	Early Alzheimer's disease-like reductions in gray matter and cognitive function with aging in nonhuman primates. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2022, 8, e12284.	3.7	3
94	The effects of delayed hormone replacement therapy on estrogen receptors of the cynomolgus monkey bladder and vagina. <i>Neurourology and Urodynamics</i> , 1998, 17, 241-247.	1.5	2
95	Association between coronary artery vitamin D receptor expression and select systemic risks factors for coronary artery atherosclerosis. <i>Climacteric</i> , 2022, 25, 369-375.	2.4	2
96	Psychosocial stress increases risk for type 2 diabetes in female cynomolgus macaques consuming a western diet. <i>Psychoneuroendocrinology</i> , 2022, 139, 105706.	2.7	2
97	P1-271: Dual-Tracer Acetoacetate and Glucose Metabolism are Associated With Neuropathologic Amyloid Burden and Alzheimer's Biomarkers in The CSF. <i>Alzheimer's and Dementia</i> , 2016, 12, P519.	0.8	1
98	P4-003: WESTERN AND MEDITERRANEAN DIETS EFFECTS ON FOOD CONSUMPTION, ADIPOSITY, CARBOHYDRATE METABOLISM, AND CSF MARKERS OF BRAIN HEALTH IN FEMALE CYNOMOLGUS MACAQUES (MACACA FASCICULARIS). <i>Alzheimer's and Dementia</i> , 2018, 14, P1431.	0.8	1
99	P1-105: A NON-HUMAN PRIMATE MODEL OF EARLY ALZHEIMER'S DISEASE PATHOLOGIC CHANGE. <i>Alzheimer's and Dementia</i> , 2018, 14, P311.	0.8	1
100	Mediterranean versus Western diet effects on cerebral cortical thickness and volume in cynomolgus monkeys. <i>Innovation in Aging</i> , 2020, 4, 489-490.	0.1	1
101	Atherosclerotic Lesion of the Carotid Artery in Indonesian Cynomolgus Monkeys Receiving a Locally Sourced Atherogenic Diet. <i>Veterinary Sciences</i> , 2022, 9, 105.	1.7	1
102	Response to "Two Bad Diets for Monkeys". <i>Obesity</i> , 2019, 27, 1554-1554.	3.0	0
103	Mediterranean versus western diet effects on cerebral cortical thickness and volume in cynomolgus macaques. <i>Alzheimer's and Dementia</i> , 2020, 16, e044554.	0.8	0
104	Cerebrospinal fluid insulin concentration increases and correlates with memory improvements after intranasal insulin administration. <i>Alzheimer's and Dementia</i> , 2020, 16, e046485.	0.8	0
105	Co-Occurrence of Physical and Cognitive Decline in Vervet Monkeys (<i>Chlorocebus aethiops sabaeus</i>). <i>Innovation in Aging</i> , 2020, 4, 118-118.	0.1	0
106	Diet and Stress Impair Ovarian Function in Mid-life, Increasing Risk of Chronic Diseases of Aging in Primates. <i>Innovation in Aging</i> , 2021, 5, 678-678.	0.1	0