

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	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
2	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
3	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
4	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
5	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
6	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
7	Mediterranean Diet Reduces Social Isolation and Anxiety in Adult Female Nonhuman Primates. <i>Nutrients</i> , 2022, 14, 2852.	4.1	5
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Single-synapse analyses of Alzheimer's disease implicate pathologic tau, DJ1, CD47, and ApoE. <i>Science Advances</i> , 2021, 7, eabk0473.	10.3	14
18	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

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19	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
20	Age-Related Decline in Expression of Molecular Chaperones Induces Endoplasmic Reticulum Stress and Chondrocyte Apoptosis in Articular Cartilage. , 2020, 11, 1091.		28
21	Mediterranean diet, stress resilience, and aging in nonhuman primates. <i>Neurobiology of Stress</i> , 2020, 13, 100254.	4.0	29
22	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
23	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
24	Pre-Clinical Investigation of Keratose as an Excipient of Drug Coated Balloons. <i>Molecules</i> , 2020, 25, 1596.	3.8	9
25	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
26	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
27	Response to "Two Bad Diets for Monkeys" Obesity, 2019, 27, 1554-1554.	3.0	0
28	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
29	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
30	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
31	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
32	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
33	Gut microbiome-Mediterranean diet interactions in improving host health. <i>F1000Research</i> , 2019, 8, 699.	1.6	81
34	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
35	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
36	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

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37	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
38	P4003: 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
39	P1105: A NON-HUMAN PRIMATE MODEL OF EARLY ALZHEIMER'S DISEASE PATHOLOGIC CHANGE. <i>Alzheimer's and Dementia</i> , 2018, 14, P311.	0.8	1
40	Aromatase and estrogen receptor immunoreactivity in the coronary arteries of monkeys and human subjects. <i>Menopause</i> , 2018, 25, 1201-1207.	2.0	21
41	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
42	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
43	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
44	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
45	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
46	Gut Microbiome Composition in Non-human Primates Consuming a Western or Mediterranean Diet. <i>Frontiers in Nutrition</i> , 2018, 5, 28.	3.7	125
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	P1271: 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

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55	Admixture mapping of serum vitamin D and parathyroid hormone concentrations in the African American "Diabetes Heart Study. Bone, 2016, 87, 71-77.	2.9	5
56	Blood cell respirometry is associated with skeletal and cardiac muscle bioenergetics: Implications for a minimally invasive biomarker of mitochondrial health. Redox Biology, 2016, 10, 65-77.	9.0	82
57	Adiposity is inversely associated with hippocampal volume in African Americans and European Americans with diabetes. Journal of Diabetes and Its Complications, 2016, 30, 1506-1512.	2.3	18
58	Novel Genetic Variants Associated With Increased Vertebral Volumetric BMD, Reduced Vertebral Fracture Risk, and Increased Expression of <i>SLC1A3</i> and <i>EPHB2</i> . Journal of Bone and Mineral Research, 2016, 31, 2085-2097.	2.8	42
59	Relationships between measures of adiposity with subclinical atherosclerosis in patients with type 2 diabetes. Obesity, 2016, 24, 1810-1818.	3.0	12
60	Late Effects of Total-Body Gamma Irradiation on Cardiac Structure and Function in Male Rhesus Macaques. Radiation Research, 2016, 186, 55-64.	1.5	42
61	Bone Mineral Density and Progression of Subclinical Atherosclerosis in African-Americans With Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4135-4141.	3.6	18
62	¹³ C-Ketogenic Diet Effects on Brain Ketone Metabolism and Alzheimer's Disease Csf Biomarkers. Alzheimer's and Dementia, 2016, 12, P342.	0.8	4
63	Effects of Pubertal Exposure to Dietary Soy on Estrogen Receptor Activity in the Breast of Cynomolgus Macaques. Cancer Prevention Research, 2016, 9, 385-395.	1.5	10
64	Sertraline inhibits increases in body fat and carbohydrate dysregulation in adult female cynomolgus monkeys. Psychoneuroendocrinology, 2016, 68, 29-38.	2.7	16
65	Atherosclerosis and Vascular Biologic Responses to Estrogens: Histologic, Immunohistochemical, Biochemical, and Molecular Methods. Methods in Molecular Biology, 2016, 1366, 517-532.	0.9	10
66	Effects of Long-Term Sertraline Treatment and Depression on Coronary Artery Atherosclerosis in Premenopausal Female Primates. Psychosomatic Medicine, 2015, 77, 267-278.	2.0	37
67	Transcriptomic profiles of aging in purified human immune cells. BMC Genomics, 2015, 16, 333.	2.8	58
68	Osteoarthritic changes in vervet monkey knees correlate with meniscus degradation and increased matrix metalloproteinase and cytokine secretion. Osteoarthritis and Cartilage, 2015, 23, 1780-1789.	1.3	31
69	Age-related structural changes in upper extremity muscle tissue in a nonhuman primate model. Journal of Shoulder and Elbow Surgery, 2015, 24, 1660-1668.	2.6	8
70	Non-human Primate and Rat Cardiac Fibroblasts Show Similar Extracellular Matrix-related and Cellular Adhesion Gene Responses to Substance P. Heart Lung and Circulation, 2015, 24, 395-403.	0.4	9
71	Beneficial effects of soy supplementation on postmenopausal atherosclerosis are dependent on pretreatment stage of plaque progression. Menopause, 2015, 22, 289-296.	2.0	8
72	Type 2 Diabetes is a Delayed Late Effect of Whole-Body Irradiation in Nonhuman Primates. Radiation Research, 2015, 183, 398-406.	1.5	25

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73	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
74	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
75	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
76	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
77	Nontraditional Applications in Clinical Pathology. <i>Toxicologic Pathology</i> , 2014, 42, 1058-1068.	1.8	17
78	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
79	Development of amyloid burden in African Green monkeys. <i>Neurobiology of Aging</i> , 2013, 34, 2361-2369.	3.1	28
80	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
81	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
82	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
83	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
84	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
85	Ageing and physical mobility in group-housed Old World monkeys. <i>Age</i> , 2012, 34, 1123-1131.	3.0	30
86	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
87	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
88	Social Stress, Visceral Obesity, and Coronary Artery Atherosclerosis in Female Primates. <i>Obesity</i> , 2009, 17, 1513-1520.	3.0	68
89	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
90	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

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91	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
92	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
93	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
94	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
95	Social stress-associated depression in adult female cynomolgus monkeys (<i>Macaca fascicularis</i>). <i>Biological Psychology</i> , 2005, 69, 67-84.	2.2	132
96	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
97	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
98	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
99	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
100	Health issues in postmenopausal women who drink. <i>Alcohol Research</i> , 2002, 26, 299-307.	1.0	6
101	Assessment of Hormonally Active Agents in the Reproductive Tract of Female Nonhuman Primates. <i>Toxicologic Pathology</i> , 2001, 29, 84-90.	1.8	73
102	Serum YKL-40 is associated with osteoarthritis and atherosclerosis in nonhuman primates. <i>Clinical Chemistry</i> , 2001, 47, 2159-61.	3.2	4
103	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
104	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
105	Changes in Bone Mass and Bone Biomarkers of Cynomolgus Monkeys during Pregnancy and Lactation ¹ . <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 4298-4302.	3.6	24
106	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