

Brian A Irving

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

3,260
citations

201674

27
h-index

149698

56
g-index

66
all docs

66
docs citations

66
times ranked

6162
citing authors

#	ARTICLE	IF	CITATIONS
1	Salivary immunity of elite collegiate American football players infected with SARS-CoV-2 normalizes following isolation. <i>Scientific Reports</i> , 2022, 12, .	3.3	0
2	Interindividual variation in maximum aerobic metabolism varies with gill morphology and myocardial bioenergetics in Gulf killifish. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	4
3	The Association between Poor Diet Quality, Physical Fatigability and Physical Function in the Oldest-Old from the Geisinger Rural Aging Study. <i>Geriatrics (Switzerland)</i> , 2021, 6, 41.	1.7	4
4	Bilateral NIRS measurements of muscle mitochondrial capacity: Feasibility and repeatability. <i>Physiological Reports</i> , 2021, 9, e14826.	1.7	4
5	Cytomegalovirus Infection Impairs the Mobilization of Tissue-Resident Innate Lymphoid Cells into the Peripheral Blood Compartment in Response to Acute Exercise. <i>Viruses</i> , 2021, 13, 1535.	3.3	1
6	Supplemental Watermelon Juice Attenuates Acute Hyperglycemia-Induced Macro-and Microvascular Dysfunction in Healthy Adults. <i>Journal of Nutrition</i> , 2021, 151, 3450-3458.	2.9	9
7	NCAA Division I American football players with sickle cell trait have altered hematological responses and hydration status. <i>Scientific Reports</i> , 2021, 11, 1844.	3.3	2
8	An Ethanolic Extract of <i>Artemisia dracunculus</i> L. Enhances the Metabolic Benefits of Exercise in Diet-induced Obese Mice. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 712-723.	0.4	2
9	Breast cancer growth and proliferation is suppressed by the mitochondrial targeted furazano[3,4-b]pyrazine BAM15. <i>Cancer & Metabolism</i> , 2021, 9, 36.	5.0	11
10	Editorial: Mechanisms Linking Transport and Utilization of Metabolic Fuels to the Impact of Nutrition and Exercise Upon Health. <i>Frontiers in Nutrition</i> , 2021, 8, 803369.	3.7	0
11	Impact of acute exercise on peripheral blood mononuclear cells nutrient sensing and mitochondrial oxidative capacity in healthy young adults. <i>Physiological Reports</i> , 2021, 9, e15147.	1.7	4
12	Allostatic stress load and CMV serostatus impact immune response to maximal exercise in collegiate swimmers. <i>Journal of Applied Physiology</i> , 2020, 128, 178-188.	2.5	9
13	Metabolic flexibility is impaired in response to acute exercise in the young offspring of mothers with type 2 diabetes. <i>Physiological Reports</i> , 2019, 7, e14189.	1.7	4
14	Precision exercise medicine: understanding exercise response variability. <i>British Journal of Sports Medicine</i> , 2019, 53, 1141-1153.	6.7	162
15	Commentaries on Viewpoint: Rejuvenation of the term sarcopenia. <i>Journal of Applied Physiology</i> , 2019, 126, 257-262.	2.5	12
16	The Panacea of Human Aging: Calorie Restriction Versus Exercise. <i>Exercise and Sport Sciences Reviews</i> , 2019, 47, 169-175.	3.0	9
17	A Wearable Pulse Oximeter With Wireless Communication and Motion Artifact Tailoring for Continuous Use. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1505-1513.	4.2	28
18	Surgical weight-loss to improve functional status trajectories following total knee arthroplasty: SWIFT trial: Rationale, design, and methods. <i>Contemporary Clinical Trials</i> , 2018, 69, 1-9.	1.8	12

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19	Pilot study: an acute bout of high intensity interval exercise increases 12.5Åh GH secretion. <i>Physiological Reports</i> , 2018, 6, e13563.	1.7	10
20	l-Citrulline Supplementation: Impact on Cardiometabolic Health. <i>Nutrients</i> , 2018, 10, 921.	4.1	130
21	Mechanism by Which Caloric Restriction Improves Insulin Sensitivity in Sedentary Obese Adults. <i>Diabetes</i> , 2016, 65, 74-84.	0.6	86
22	Nutrient Transporter Expression in the Jejunum in Relation to Body Mass Index in Patients Undergoing Bariatric Surgery. <i>Nutrients</i> , 2016, 8, 683.	4.1	13
23	Bariatric Surgery Patients and Their Families: Health, Physical Activity, and Social Support. <i>Obesity Surgery</i> , 2016, 26, 2981-2988.	2.1	35
24	Does Citrulline Sit at the Nexus of Metforminâ€™s Pleiotropic Effects on Metabolism and Mediate Its Salutatory Effects in Individuals With Type 2 Diabetes?. <i>Diabetes</i> , 2016, 65, 3537-3540.	0.6	11
25	Defects in Mitochondrial Efficiency and H2O2 Emissions in Obese Women Are Restored to a Lean Phenotype With Aerobic Exercise Training. <i>Diabetes</i> , 2015, 64, 2104-2115.	0.6	89
26	Combined Training Enhances Skeletal Muscle Mitochondrial Oxidative Capacity Independent of Age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 1654-1663.	3.6	94
27	The Effect of Insurance Status on Pre- and Post-operative Bariatric Surgery Outcomes. <i>Obesity Surgery</i> , 2015, 25, 191-194.	2.1	37
28	Effect of Insulin Sensitizer Therapy on Amino Acids and Their Metabolites. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 720-728.	3.4	77
29	Application of high-resolution mass spectrometry to measure low abundance isotope enrichment in individual muscle proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4045-4052.	3.7	12
30	Differential Effect of Endurance Training on Mitochondrial Protein Damage, Degradation, and Acetylation in the Context of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1386-1393.	3.6	58
31	Gastrointestinal Symptoms in Morbid Obesity. <i>Frontiers in Medicine</i> , 2014, 1, 49.	2.6	9
32	Does IRISIN Have a BRITE Future as a Therapeutic Agent in Humans?. <i>Current Obesity Reports</i> , 2014, 3, 235-241.	8.4	44
33	Preoperative prediction of type 2 diabetes remission after Roux-en-Y gastric bypass surgery: a retrospective cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2014, 2, 38-45.	11.4	278
34	Spillover of Fatty Acids During Dietary Fat Storage in Type 2 Diabetes. <i>Diabetes</i> , 2013, 62, 1897-1903.	0.6	19
35	Effects of Type 2 Diabetes and Insulin on Whole-Body, Splanchnic, and Leg Protein Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 4733-4741.	3.6	7
36	A PGC-1Î± Isoform Induced by Resistance Training Regulates Skeletal Muscle Hypertrophy. <i>Cell</i> , 2012, 151, 1319-1331.	28.9	548

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37	Age effect on myocellular remodeling: Response to exercise and nutrition in humans. Ageing Research Reviews, 2012, 11, 374-389.	10.9	23
38	Effect of Insulin Sensitizer Therapy on Atherothrombotic and Inflammatory Profiles Associated With Insulin Resistance. Mayo Clinic Proceedings, 2012, 87, 561-570.	3.0	15
39	Function-Based Discovery of Significant Transcriptional Temporal Patterns in Insulin Stimulated Muscle Cells. PLoS ONE, 2012, 7, e32391.	2.5	11
40	Can Dietary Nitrates Enhance the Efficiency of Mitochondria?. Cell Metabolism, 2011, 13, 117-118.	16.2	9
41	Unique Cellular and Mitochondrial Defects Mediate FK506-Induced Islet β -Cell Dysfunction. Transplantation, 2011, 91, 615-623.	1.0	50
42	Differences emerge in visceral adipose tissue accumulation after selection for innate cardiovascular fitness. International Journal of Obesity, 2011, 35, 309-312.	3.4	11
43	Nine Days of Intensive Exercise Training Improves Mitochondrial Function But Not Insulin Action in Adult Offspring of Mothers with Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E1137-E1141.	3.6	38
44	Effects of Insulin Sensitivity, Body Composition, and Fitness on Lipoprotein Particle Sizes and Concentrations Determined by Nuclear Magnetic Resonance. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E713-E718.	3.6	12
45	Mitochondrial oxidative capacity and coupling: effects of aging and exercise training. FASEB Journal, 2011, 25, .	0.5	0
46	Effect of exercise training modality on skeletal muscle mitochondrial biogenesis in young and older adults. FASEB Journal, 2011, 25, 1107.20.	0.5	0
47	Walking and Running Economy. Medicine and Science in Sports and Exercise, 2010, 42, 2122-2127.	0.4	31
48	Age, Obesity, and Sex Effects on Insulin Sensitivity and Skeletal Muscle Mitochondrial Function. Diabetes, 2010, 59, 89-97.	0.6	242
49	Limited predictive ability of surrogate indices of insulin sensitivity/resistance in Asian-Indian men. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E1106-E1112.	3.5	17
50	Effects on Lipoprotein Particles of Long-Term Dehydroepiandrosterone in Elderly Men and Women and Testosterone in Elderly Men. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1617-1625.	3.6	19
51	The Effect of Branched Chain Amino Acids on Skeletal Muscle Mitochondrial Function in Young and Elderly Adults. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 894-902.	3.6	40
52	Potential Application of Essential Amino Acid Supplementation to Treat Sarcopenia in Elderly People. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 1524-1526.	3.6	18
53	Effect of Dehydroepiandrosterone Replacement on Lipoprotein Profile in Hypoadrenal Women. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 761-764.	3.6	29
54	Reliability of the VmaxST Portable Metabolic Measurement System. International Journal of Sports Medicine, 2009, 30, 22-26.	1.7	14

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55	Differential effects of insulin deprivation and systemic insulin treatment on plasma protein synthesis in type 1 diabetic people. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E889-E897.	3.5	20
56	Effects of Exercise Training Intensity on Nocturnal Growth Hormone Secretion in Obese Adults with the Metabolic Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 1979-1986.	3.6	34
57	Effect of Testosterone on Insulin Stimulated IRS1 Ser Phosphorylation in Primary Rat Myotubes—A Potential Model for PCOS-Related Insulin Resistance. <i>PLoS ONE</i> , 2009, 4, e4274.	2.5	56
58	Asian Indians Have Enhanced Skeletal Muscle Mitochondrial Capacity to Produce ATP in Association With Severe Insulin Resistance. <i>Diabetes</i> , 2008, 57, 1166-1175.	0.6	163
59	Lack of Dehydroepiandrosterone Effect on a Combined Endurance and Resistance Exercise Program in Postmenopausal Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 534-538.	3.6	58
60	Effect of Exercise Training Intensity on Abdominal Visceral Fat and Body Composition. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 1863-1872.	0.4	267
61	NIH ImageJ and SliceOmatic Computed Tomography Imaging Software to Quantify Soft Tissue. <i>Obesity</i> , 2007, 15, 370-376.	3.0	125
62	Aging and diabetes: Mitochondrial dysfunction. <i>Current Diabetes Reports</i> , 2007, 7, 249-251.	4.2	11
63	Comparison of Borg- and OMNI-RPE as Markers of the Blood Lactate Response to Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1348-1352.	0.4	41
64	A High-Carbohydrate, High-Fiber Meal Improves Endothelial Function in Adults With the Metabolic Syndrome. <i>Diabetes Care</i> , 2006, 29, 2313-2315.	8.6	44
65	The Effects of Time following Acute Growth Hormone Administration on Metabolic and Power Output Measures during Acute Exercise. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 4298-4305.	3.6	27