

Ian R Lanza

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7113110/ian-r-landa-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

4,312
citations

35
h-index

65
g-index

119
ext. papers

5,245
ext. citations

6.4
avg, IF

5.5
L-index

#	Paper	IF	Citations
104	Exerkines in health, resilience and disease.. <i>Nature Reviews Endocrinology</i> , 2022 ,	15.2	17
103	Impact of obesity on the molecular response to a single bout of exercise in a preliminary human cohort.. <i>Obesity</i> , 2022 , 30, 1091-1104	8	1
102	Skeletal muscle mitochondrial dysfunction and muscle and whole-body functional deficits in cancer patients with weight loss.. <i>Journal of Applied Physiology</i> , 2021 ,	3.7	1
101	Impaired Muscle Mitochondrial Function in Familial Partial Lipodystrophy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 ,	5.6	3
100	Adipose tissue macrophage populations and inflammation are associated with systemic inflammation and insulin resistance in obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 321, E105-E121	6	6
99	Cerebellar and multi-system metabolic reprogramming associated with trauma exposure and post-traumatic stress disorder (PTSD)-like behavior in mice. <i>Neurobiology of Stress</i> , 2021 , 14, 100300	7.6	2
98	Preserved skeletal muscle oxidative capacity in older adults despite decreased cardiorespiratory fitness with ageing. <i>Journal of Physiology</i> , 2021 , 599, 3581-3592	3.9	1
97	A size-exclusion-based approach for purifying extracellular vesicles from human plasma. <i>Cell Reports Methods</i> , 2021 , 1, 100055-100055		5
96	The secretome of senescent preadipocytes influences the phenotype and function of cells of the vascular wall. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021 , 1867, 165983	6.9	4
95	A preliminary study of the association of increased anterior cingulate gamma-aminobutyric acid with remission of depression after ketamine administration. <i>Psychiatry Research</i> , 2021 , 301, 113953	9.9	3
94	Senolytic agents lessen the severity of abdominal aortic aneurysm in aged mice. <i>Experimental Gerontology</i> , 2021 , 151, 111416	4.5	2
93	Pro-inflammatory cell small extracellular vesicles induce cell failure through activation of the CXCL10/CXCR3 axis in diabetes. <i>Cell Reports</i> , 2021 , 36, 109613	10.6	7
92	A Western diet impairs CNS energy homeostasis and recovery after spinal cord injury: Link to astrocyte metabolism. <i>Neurobiology of Disease</i> , 2020 , 141, 104934	7.5	8
91	Meteorin-like facilitates skeletal muscle repair through a Stat3/IGF-1 mechanism. <i>Nature Metabolism</i> , 2020 , 2, 278-289	14.6	28
90	Metabo- and mechanoreceptor expression in human heart failure: Relationships with the locomotor muscle afferent influence on exercise responses. <i>Experimental Physiology</i> , 2020 , 105, 809-818 ^{2.4}		11
89	Metabolic Flux Analysis: Moving beyond Static Metabolomics. <i>Trends in Biochemical Sciences</i> , 2020 , 45, 545-546	10.3	4
88	High fat diet consumption results in mitochondrial dysfunction, oxidative stress, and oligodendrocyte loss in the central nervous system. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165630	6.9	12

87	Methylarginine metabolites are associated with attenuated muscle protein synthesis in cancer-associated muscle wasting. <i>Journal of Biological Chemistry</i> , 2020 , 295, 17441-17459	5.4	6
86	Extramyocellular interleukin-6 influences skeletal muscle mitochondrial physiology through canonical JAK/STAT signaling pathways. <i>FASEB Journal</i> , 2020 , 34, 14458-14472	0.9	11
85	Distinct Influence of Omega-3 Fatty Acids on the Plasma Metabolome of Healthy Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 875-884	6.4	5
84	Partial Loss of USP9X Function Leads to a Male Neurodevelopmental and Behavioral Disorder Converging on Transforming Growth Factor β Signaling. <i>Biological Psychiatry</i> , 2020 , 87, 100-112	7.9	19
83	De Novo Pathogenic Variants in N-cadherin Cause a Syndromic Neurodevelopmental Disorder with Corpus Collosum, Axon, Cardiac, Ocular, and Genital Defects. <i>American Journal of Human Genetics</i> , 2019 , 105, 854-868	11	17
82	Insulin deficiency and intranasal insulin alter brain mitochondrial function: a potential factor for dementia in diabetes. <i>FASEB Journal</i> , 2019 , 33, 4458-4472	0.9	25
81	Lysosomal Storage and Albinism Due to Effects of a De Novo CLCN7 Variant on Lysosomal Acidification. <i>American Journal of Human Genetics</i> , 2019 , 104, 1127-1138	11	30
80	A comprehensive protocol for multiplatform metabolomics analysis in patient-derived skin fibroblasts. <i>Metabolomics</i> , 2019 , 15, 83	4.7	9
79	The clinical impact and biological mechanisms of skeletal muscle aging. <i>Bone</i> , 2019 , 127, 26-36	4.7	22
78	TFAM Enhances Fat Oxidation and Attenuates High-Fat Diet-Induced Insulin Resistance in Skeletal Muscle. <i>Diabetes</i> , 2019 , 68, 1552-1564	0.9	26
77	De Novo Variants in WDR37 Are Associated with Epilepsy, Colobomas, Dysmorphism, Developmental Delay, Intellectual Disability, and Cerebellar Hypoplasia. <i>American Journal of Human Genetics</i> , 2019 , 105, 413-424	11	19
76	Magnetic Resonance Imaging characteristics in case of TOR1AIP1 muscular dystrophy. <i>Clinical Imaging</i> , 2019 , 58, 108-113	2.7	4
75	EPA and DHA elicit distinct transcriptional responses to high-fat feeding in skeletal muscle and liver. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E460-E472	6	12
74	Attenuated activation of the unfolded protein response following exercise in skeletal muscle of older adults. <i>Aging</i> , 2019 , 11, 7587-7604	5.6	8
73	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice. <i>PLoS ONE</i> , 2019 , 14, e0226440	3.7	3
72	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice 2019 , 14, e0226440		
71	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice 2019 , 14, e0226440		
70	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice 2019 , 14, e0226440		

69	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice 2019 , 14, e0226440		
68	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice 2019 , 14, e0226440		
67	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice 2019 , 14, e0226440		
66	Urinary Metabolites Associated with Blood Pressure on a Low- or High-Sodium Diet. <i>Theranostics</i> , 2018 , 8, 1468-1480	12.1	15
65	1 α ,25-dihydroxyvitamin D mitigates cancer cell mediated mitochondrial dysfunction in human skeletal muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 496, 746-752	3.4	11
64	Association between high fat consumption, myelin loss, and mitochondrial dynamics. <i>FASEB Journal</i> , 2018 , 32, 543.15	0.9	
63	Effects of local Interleukin-6 on Skeletal Muscle Mitochondrial Physiology. <i>FASEB Journal</i> , 2018 , 32, 603.7.9	0.9	1
62	Mitochondrial ADP Sensitivity and Transport: New Insights Into Diet-Induced Mitochondrial Impairments. <i>Diabetes</i> , 2018 , 67, 2152-2153	0.9	3
61	Enhanced Protein Translation Underlies Improved Metabolic and Physical Adaptations to Different Exercise Training Modes in Young and Old Humans. <i>Cell Metabolism</i> , 2017 , 25, 581-592	24.6	239
60	Very-long-chain -3 fatty acid supplements and adipose tissue functions: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 1552-1558	7	14
59	A longitudinal study of whole body, tissue, and cellular physiology in a mouse model of fibrosing NASH with high fidelity to the human condition. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, G666-G680	5.1	31
58	Influence of omega-3 fatty acids on skeletal muscle protein metabolism and mitochondrial bioenergetics in older adults. <i>Aging</i> , 2017 , 9, 1096-1129	5.6	79
57	Mechanism by Which Caloric Restriction Improves Insulin Sensitivity in Sedentary Obese Adults. <i>Diabetes</i> , 2016 , 65, 74-84	0.9	67
56	Noninvasive Monitoring of the Mitochondrial Function in Mesenchymal Stromal Cells. <i>Molecular Imaging and Biology</i> , 2016 , 18, 510-8	3.8	5
55	Altered Skeletal Muscle Mitochondrial Proteome As the Basis of Disruption of Mitochondrial Function in Diabetic Mice. <i>Diabetes</i> , 2016 , 65, 561-73	0.9	36
54	Predictors of Whole-Body Insulin Sensitivity Across Ages and Adiposity in Adult Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 626-34	5.6	39
53	1 α ,25-Dihydroxyvitamin D3 Regulates Mitochondrial Oxygen Consumption and Dynamics in Human Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2016 , 291, 1514-28	5.4	105
52	Aging metabolism: Evitable or inevitable?. <i>Science Translational Medicine</i> , 2016 , 8, 324ec19-324ec19	17.5	1

51	Insulin-Sensitizing Effects of Omega-3 Fatty Acids: Lost in Translation?. <i>Nutrients</i> , 2016 , 8,	6.7	74
50	Hyperglucagonemia Mitigates the Effect of Metformin on Glucose Production in Prediabetes. <i>Cell Reports</i> , 2016 , 15, 1394-1400	10.6	31
49	Application of high-resolution mass spectrometry to measure low abundance isotope enrichment in individual muscle proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 4045-52	4.4	9
48	Effects of Dietary n-3 Fatty Acids on Hepatic and Peripheral Insulin Sensitivity in Insulin-Resistant Humans. <i>Diabetes Care</i> , 2015 , 38, 1228-37	14.6	46
47	Mitochondrial Aging and Physical Decline: Insights From Three Generations of Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 1409-17	6.4	36
46	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, 1386-93	6.4	48
45	Enhancing the Metabolic Benefits of Bariatric Surgery: Tipping the Scales With Exercise. <i>Diabetes</i> , 2015 , 64, 3656-8	0.9	2
44	Eicosapentaenoic acid but not docosahexaenoic acid restores skeletal muscle mitochondrial oxidative capacity in old mice. <i>Aging Cell</i> , 2015 , 14, 734-43	9.9	43
43	Association of UCP-3 rs1626521 with obesity and stomach functions in humans. <i>Obesity</i> , 2015 , 23, 898-906	0.6	5
42	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, 2104-15	0.9	67
41	Combined training enhances skeletal muscle mitochondrial oxidative capacity independent of age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 1654-63	5.6	70
40	Adipocyte mitochondrial function is reduced in human obesity independent of fat cell size. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E209-16	5.6	125
39	Impact of insulin deprivation and treatment on sphingolipid distribution in different muscle subcellular compartments of streptozotocin-diabetic C57Bl/6 mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E529-42	6	20
38	Chronically endurance-trained individuals preserve skeletal muscle mitochondrial gene expression with age but differences within age groups remain. <i>Physiological Reports</i> , 2014 , 2, e12239	2.6	12
37	Methods for assessing mitochondrial function in diabetes. <i>Diabetes</i> , 2013 , 62, 1041-53	0.9	116
36	Influence of fish oil on skeletal muscle mitochondrial energetics and lipid metabolites during high-fat diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 304, E1391-403	6	91
35	Assessment of proteins of the immune system 2013 , 1145-1159		1
34	Cystathionine beta-synthase (CBS) contributes to advanced ovarian cancer progression and drug resistance. <i>PLoS ONE</i> , 2013 , 8, e79167	3.7	156

33	Influence of Fish Oil on Skeletal Muscle Mitochondrial Energetics and Lipid Metabolites during High-Fat Diet. <i>FASEB Journal</i> , 2013 , 27, 1154-8	0.9	1
32	A PGC-1 α isoform induced by resistance training regulates skeletal muscle hypertrophy. <i>Cell</i> , 2012 , 151, 1319-31	56.2	431
31	Chronic caloric restriction preserves mitochondrial function in senescence without increasing mitochondrial biogenesis. <i>Cell Metabolism</i> , 2012 , 16, 777-88	24.6	143
30	Can dietary nitrates enhance the efficiency of mitochondria?. <i>Cell Metabolism</i> , 2011 , 13, 117-8	24.6	8
29	Unique cellular and mitochondrial defects mediate FK506-induced islet β cell dysfunction. <i>Transplantation</i> , 2011 , 91, 615-23	1.8	42
28	Measurement of human skeletal muscle oxidative capacity by ^{31}P -MR spectroscopy: a cross-validation with in vitro measurements. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 34, 1143-50	5.6	66
27	The impact of old age on skeletal muscle energetics: supply and demand. <i>Current Aging Science</i> , 2011 , 4, 234-47	2.2	20
26	Effect of exercise training modality on skeletal muscle mitochondrial biogenesis in young and older adults. <i>FASEB Journal</i> , 2011 , 25, 1107.20	0.9	
25	Fish oil protects against diet-induced insulin resistance and modifies ceramide composition and mitochondrial physiology in skeletal muscle. <i>FASEB Journal</i> , 2011 , 25, 1095.8	0.9	
24	Intracellular energetics and critical PO $_2$ in resting ischemic human skeletal muscle in vivo. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 299, R1415-22	3.2	14
23	Lower energy cost of skeletal muscle contractions in older humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 298, R729-39	3.2	37
22	Quantitative metabolomics by H-NMR and LC-MS/MS confirms altered metabolic pathways in diabetes. <i>PLoS ONE</i> , 2010 , 5, e10538	3.7	188
21	Mitochondrial metabolic function assessed in vivo and in vitro. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2010 , 13, 511-7	3.8	52
20	Mitochondrial function as a determinant of life span. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 459, 277-89	4.6	104
19	Mitochondrial DNA alterations and reduced mitochondrial function in aging. <i>Mechanisms of Ageing and Development</i> , 2010 , 131, 451-62	5.6	59
18	Caloric Restriction Attenuates Many Age-Related Changes in Skeletal Muscle Mitochondrial Physiology. <i>FASEB Journal</i> , 2010 , 24, 621.1	0.9	
17	Reply to SN Thornton and K Hess. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 1476-1477	7	0
16	Muscle mitochondrial changes with aging and exercise. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 467S-71S	7	95

15	Intramyocellular oxygenation during ischemic muscle contractions in vivo. <i>European Journal of Applied Physiology</i> , 2009 , 106, 333-43	3.4	7
14	Interdependence of signal processing and analysis of urine 1H NMR spectra for metabolic profiling. <i>Analytical Chemistry</i> , 2009 , 81, 6080-8	7.8	43
13	Functional assessment of isolated mitochondria in vitro. <i>Methods in Enzymology</i> , 2009 , 457, 349-72	1.7	152
12	Endurance exercise as a countermeasure for aging. <i>Diabetes</i> , 2008 , 57, 2933-42	0.9	398
11	Contrasting influences of age and sex on muscle fatigue. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 234-41	1.2	31
10	Contraction frequency modulates muscle fatigue and the rate of myoglobin desaturation during incremental contractions in humans. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008 , 33, 915-21	3	5
9	Intracellular Critical PO ₂ Measured in Human Skeletal Muscle In Vivo. <i>FASEB Journal</i> , 2008 , 22, 962.24	0.9	
8	Intracellular Oxygenation During Ischemic Muscle Contractions. <i>FASEB Journal</i> , 2008 , 22, 962.20	0.9	
7	In vivo mitochondrial function varies with muscle and training status in young adults. <i>FASEB Journal</i> , 2008 , 22, 958.13	0.9	
6	The Impact of Long-Term Physical Activity on Age-Related Changes in Protein and Gene Expression. <i>FASEB Journal</i> , 2008 , 22, 1163.21	0.9	
5	Effects of old age on human skeletal muscle energetics during fatiguing contractions with and without blood flow. <i>Journal of Physiology</i> , 2007 , 583, 1093-105	3.9	81
4	In vivo ATP production during free-flow and ischaemic muscle contractions in humans. <i>Journal of Physiology</i> , 2006 , 577, 353-67	3.9	66
3	Sex differences in glycolysis during brief, intense isometric contractions. <i>Muscle and Nerve</i> , 2005 , 32, 647-55	3.4	71
2	Age-related changes in ATP-producing pathways in human skeletal muscle in vivo. <i>Journal of Applied Physiology</i> , 2005 , 99, 1736-44	3.7	137
1	Age-related enhancement of fatigue resistance is evident in men during both isometric and dynamic tasks. <i>Journal of Applied Physiology</i> , 2004 , 97, 967-75	3.7	124