

Donal J O gorman

List of Publications by Citations

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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.

72
papers

3,276
citations

26
h-index

56
g-index

72
ext. papers

3,785
ext. citations

5.3
avg, IF

4.73
L-index

#	Paper	IF	Citations
72	Acute exercise remodels promoter methylation in human skeletal muscle. <i>Cell Metabolism</i> , 2012 , 15, 405-11	24.6	586
71	A systematic review of correlates of sedentary behaviour in adults aged 18-65 years: a socio-ecological approach. <i>BMC Public Health</i> , 2016 , 16, 163	4.1	266
70	Exercise intensity-dependent regulation of peroxisome proliferator-activated receptor coactivator-1 mRNA abundance is associated with differential activation of upstream signalling kinases in human skeletal muscle. <i>Journal of Physiology</i> , 2010 , 588, 1779-90	3.9	253
69	Active commuting to school: how far is too far?. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2008 , 5, 1	8.4	242
68	BIOTEX--biosensing textiles for personalised healthcare management. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010 , 14, 364-70		238
67	Exercise training increases insulin-stimulated glucose disposal and GLUT4 (SLC2A4) protein content in patients with type 2 diabetes. <i>Diabetologia</i> , 2006 , 49, 2983-92	10.3	164
66	Regular exercise enhances insulin activation of IRS-1-associated PI3-kinase in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2000 , 88, 797-803	3.7	112
65	Altered miR-29 Expression in Type 2 Diabetes Influences Glucose and Lipid Metabolism in Skeletal Muscle. <i>Diabetes</i> , 2017 , 66, 1807-1818	0.9	105
64	Time course analysis reveals gene-specific transcript and protein kinetics of adaptation to short-term aerobic exercise training in human skeletal muscle. <i>PLoS ONE</i> , 2013 , 8, e74098	3.7	80
63	A moderate glycemic meal before endurance exercise can enhance performance. <i>Journal of Applied Physiology</i> , 1998 , 84, 53-9	3.7	78
62	Effects of preoperative neuromuscular electrical stimulation on quadriceps strength and functional recovery in total knee arthroplasty. A pilot study. <i>BMC Musculoskeletal Disorders</i> , 2010 , 11, 119	2.8	70
61	Towards the integration and development of a cross-European research network and infrastructure: the DETERminants of Diet and Physical ACTivity (DEDIPAC) Knowledge Hub. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2014 , 11, 143	8.4	60
60	Influence of acute exercise with and without carbohydrate replacement on postprandial lipid metabolism. <i>Journal of Applied Physiology</i> , 2009 , 106, 943-9	3.7	57
59	2-D DIGE analysis of the mitochondrial proteome from human skeletal muscle reveals time course-dependent remodelling in response to 14 consecutive days of endurance exercise training. <i>Proteomics</i> , 2011 , 11, 1413-28	4.8	56
58	Effect of prior exercise on postprandial lipemia and markers of inflammation and endothelial activation in normal weight and overweight adolescent boys. <i>European Journal of Applied Physiology</i> , 2009 , 106, 721-9	3.4	54
57	Similar to adiponectin, serum levels of osteoprotegerin are associated with obesity in healthy subjects. <i>Metabolism: Clinical and Experimental</i> , 2011 , 60, 994-1000	12.7	44
56	Determinants of diet and physical activity (DEDIPAC): a summary of findings. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017 , 14, 150	8.4	41

55	Socio-cultural determinants of physical activity across the life course: a Determinants of Diet and Physical Activity (DEDIPAC) umbrella systematic literature review. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017 , 14, 173	8.4	41
54	Re-programming CHO cell metabolism using miR-23 tips the balance towards a highly productive phenotype. <i>Biotechnology Journal</i> , 2015 , 10, 1029-40	5.6	37
53	Growth and differentiation factor 15 is secreted by skeletal muscle during exercise and promotes lipolysis in humans. <i>JCI Insight</i> , 2020 , 5,	9.9	37
52	The endothelial microparticle response to a high fat meal is not attenuated by prior exercise. <i>European Journal of Applied Physiology</i> , 2009 , 106, 555-62	3.4	31
51	Early-onset and classical forms of type 2 diabetes show impaired expression of genes involved in muscle branched-chain amino acids metabolism. <i>Scientific Reports</i> , 2017 , 7, 13850	4.9	28
50	Towards human exploration of space: The THESEUS review series on nutrition and metabolism research priorities. <i>Npj Microgravity</i> , 2016 , 2, 16029	5.3	28
49	Interactive video game cycling leads to higher energy expenditure and is more enjoyable than conventional exercise in adults. <i>PLoS ONE</i> , 2015 , 10, e0118470	3.7	28
48	Associations between maternal physical activity in early and late pregnancy and offspring birth size: remote federated individual level meta-analysis from eight cohort studies. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2019 , 126, 459-470	3.7	28
47	Exercise and the treatment of diabetes and obesity. <i>Medical Clinics of North America</i> , 2011 , 95, 953-69	7	27
46	Exercise and the treatment of diabetes and obesity. <i>Endocrinology and Metabolism Clinics of North America</i> , 2008 , 37, 887-903	5.5	26
45	Bed rest and resistive vibration exercise unveil novel links between skeletal muscle mitochondrial function and insulin resistance. <i>Diabetologia</i> , 2017 , 60, 1491-1501	10.3	24
44	Insulin and exercise differentially regulate PI3-kinase and glycogen synthase in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2000 , 89, 1412-9	3.7	24
43	Osteoprotegerin and biomarkers of vascular inflammation in type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2010 , 26, 496-502	7.5	22
42	Effects of a moderate glycemic meal on exercise duration and substrate utilization. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, 1517-23	1.2	22
41	Proteome-wide Adaptations of Mouse Skeletal Muscles during a Full Month in Space. <i>Journal of Proteome Research</i> , 2017 , 16, 2623-2638	5.6	21
40	Early-onset insulin-resistant diabetes in obese Caucasians has features of typical type 2 diabetes, but 3 decades earlier. <i>Diabetes Care</i> , 2005 , 28, 1216-8	14.6	21
39	Metabolic Inflexibility Is an Early Marker of Bed-Rest-Induced Glucose Intolerance Even When Fat Mass Is Stable. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 1910-1920	5.6	18
38	Lipoprotein particle distribution and skeletal muscle lipoprotein lipase activity after acute exercise. <i>Lipids in Health and Disease</i> , 2012 , 11, 64	4.4	18

37	The effect of growth hormone replacement on the thyroid axis in patients with hypopituitarism: in vivo and ex vivo studies. <i>Clinical Endocrinology</i> , 2017 , 86, 747-754	3.4	17
36	The Effects of Atorvastatin on Arterial Stiffness in Male Patients with Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2015 , 2015, 846807	3.9	17
35	A comparison of osteoprotegerin with adiponectin and high-sensitivity C-reactive protein (hsCRP) as a marker for insulin resistance. <i>Metabolism: Clinical and Experimental</i> , 2013 , 62, 34-8	12.7	16
34	Osteoprotegerin is higher in peripheral arterial disease regardless of glycaemic status. <i>Thrombosis Research</i> , 2010 , 126, e423-7	8.2	16
33	The Take PART study (Physical Activity Research for Teenagers): rationale and methods. <i>Journal of Physical Activity and Health</i> , 2009 , 6, 170-7	2.5	16
32	Feasibility and relevance of global expression profiling of gene transcripts in serum from breast cancer patients using whole genome microarrays and quantitative RT-PCR. <i>Cancer Genomics and Proteomics</i> , 2008 , 5, 94-104	3.3	16
31	A nutrient cocktail prevents lipid metabolism alterations induced by 20 days of daily steps reduction and fructose overfeeding: result from a randomized study. <i>Journal of Applied Physiology</i> , 2019 , 126, 88-101	3.7	14
30	A Sensing Platform for Physiological and Contextual Feedback to Tennis Athletes 2009 ,		13
29	Energy expenditure and affect responses to different types of active video game and exercise. <i>PLoS ONE</i> , 2017 , 12, e0176213	3.7	12
28	Elevated 12-hydroxyeicosatetraenoic acid (12-HETE) levels in serum of individuals with newly diagnosed Type 1 diabetes. <i>Diabetic Medicine</i> , 2017 , 34, 292-294	3.5	12
27	Modified Active Videogame Play Results in Moderate-Intensity Exercise. <i>Games for Health Journal</i> , 2014 , 3, 234-40	4.2	11
26	The effect of exercise on osteoprotegerin and TNF-related apoptosis-inducing ligand in obese patients. <i>European Journal of Clinical Investigation</i> , 2012 , 42, 1173-9	4.6	10
25	The DEXLIFE study methods: identifying novel candidate biomarkers that predict progression to type 2 diabetes in high risk individuals. <i>Diabetes Research and Clinical Practice</i> , 2014 , 106, 383-9	7.4	10
24	Phenotypic Responses to a Lifestyle Intervention Do Not Account for Inter-Individual Variability in Glucose Tolerance for Individuals at High Risk of Type 2 Diabetes. <i>Frontiers in Physiology</i> , 2019 , 10, 317	4.6	9
23	Transient increase in homocysteine but not hyperhomocysteinemia during acute exercise at different intensities in sedentary individuals. <i>PLoS ONE</i> , 2012 , 7, e51185	3.7	9
22	Identifying coronary artery disease in men with type 2 diabetes: osteoprotegerin, pulse wave velocity, and other biomarkers of cardiovascular risk. <i>Journal of Hypertension</i> , 2011 , 29, 2469-75	1.9	9
21	Validity of Field Tests for Evaluating Endurance Capacity in Competitive and International-Level Sports Participants. <i>Journal of Strength and Conditioning Research</i> , 2000 , 14, 62	3.2	9
20	Identifying and sharing data for secondary data analysis of physical activity, sedentary behaviour and their determinants across the life course in Europe: general principles and an example from DEDIPAC. <i>BMJ Open</i> , 2017 , 7, e017489	3	8

19	ALTERATIONS IN THYROID HORMONE LEVELS FOLLOWING GROWTH HORMONE REPLACEMENT EXERT COMPLEX BIOLOGICAL EFFECTS. <i>Endocrine Practice</i> , 2018 , 24, 342-350	3.2	8
18	Effectiveness of Resistive Vibration Exercise and Whey Protein Supplementation Plus Alkaline Salt on the Skeletal Muscle Proteome Following 21 Days of Bed Rest in Healthy Males. <i>Journal of Proteome Research</i> , 2020 , 19, 3438-3451	5.6	7
17	Higher rate of fat oxidation during rowing compared with cycling ergometer exercise across a range of exercise intensities. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016 , 26, 630-7	4.6	7
16	Zinc supplementation increases protein titer of recombinant CHO cells. <i>Cytotechnology</i> , 2019 , 71, 915-924	4.2	6
15	Associations of Total Legume, Pulse, and Soy Consumption with Incident Type 2 Diabetes: Federated Meta-Analysis of 27 Studies from Diverse World Regions. <i>Journal of Nutrition</i> , 2021 , 151, 1231-1240	4.1	6
14	Haplotype association of calpain 10 gene variants with type 2 diabetes mellitus in an Irish sample. <i>Irish Journal of Medical Science</i> , 2010 , 179, 269-72	1.9	5
13	Data on Determinants Are Needed to Curb the Sedentary Epidemic in Europe. Lessons Learnt from the DEDIPAC European Knowledge Hub. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	5
12	Fetuin-A as a Potential Biomarker of Metabolic Variability Following 60 Days of Bed Rest. <i>Frontiers in Physiology</i> , 2020 , 11, 573581	4.6	3
11	In vivo and in vitro studies of GAD-antibody positive subjects with Type 2 diabetes: A distinct sub-phenotype. <i>Diabetes Research and Clinical Practice</i> , 2008 , 80, 365-70	7.4	3
10	Muscular contraction frequency does not affect plasma homocysteine concentration in response to energy expenditure- and intensity-matched acute exercise in sedentary males. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 107-112	3	2
9	An evaluation of the DEXLIFE self-selected lifestyle intervention aimed at improving insulin sensitivity in people at risk of developing type 2 diabetes: study protocol for a randomised controlled trial. <i>Trials</i> , 2015 , 16, 529	2.8	2
8	Wearable chemical sensors: Characterization of heart rate electrodes using electrochemical impedance spectroscopy 2015 ,		2
7	Endurance exercise training-responsive miR-19b-3p improves skeletal muscle glucose metabolism. <i>Nature Communications</i> , 2021 , 12, 5948	17.4	2
6	Heterogeneity of Associations between Total and Types of Fish Intake and the Incidence of Type 2 Diabetes: Federated Meta-Analysis of 28 Prospective Studies Including 956,122 Participants. <i>Nutrients</i> , 2021 , 13,	6.7	2
5	Growth hormone replacement may influence the biological action of thyroid hormone on liver and bone tissue. <i>Growth Hormone and IGF Research</i> , 2021 , 57-58, 101393	2	2
4	Novel Surface Modified Polymer Microneedle based Biosensors for Interstitial Fluid Glucose Detection 2019 ,		2
3	DietSee: An on-hand, portable, strip-type biosensor for lipolysis monitoring via real-time amperometric determination of glycerol in blood. <i>Analytica Chimica Acta</i> , 2021 , 1155, 338358	6.6	1
2	Is exercise physiology a real science?. <i>Medical Writing</i> , 2012 , 21, 284-287		

- 1 Influence Of Acute Exercise With And Without Glycogen Repletion On Postprandial Metabolism.
Medicine and Science in Sports and Exercise, **2008**, 40, S56

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