

Donal J O'gorman

List of Publications by Year in descending order

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72
papers

4,284
citations

172207

29
h-index

110170

64
g-index

72
all docs

72
docs citations

72
times ranked

7751
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute Exercise Remodels Promoter Methylation in Human Skeletal Muscle. <i>Cell Metabolism</i> , 2012, 15, 405-411.	7.2	729
2	A systematic review of correlates of sedentary behaviour in adults aged 18â€“65 years: a socio-ecological approach. <i>BMC Public Health</i> , 2016, 16, 163.	1.2	345
3	Active commuting to school: how far is too far?. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2008, 5, 1.	2.0	331
4	Exercise intensity-dependent regulation of peroxisome proliferator-activated receptor β coactivator-1 α mRNA abundance is associated with differential activation of upstream signalling kinases in human skeletal muscle. <i>Journal of Physiology</i> , 2010, 588, 1779-1790.	1.3	305
5	BIOTEXâ€”Biosensing Textiles for Personalised Healthcare Management. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010, 14, 364-370.	3.6	274
6	Exercise training increases insulin-stimulated glucose disposal and GLUT4 (SLC2A4) protein content in patients with type 2 diabetes. <i>Diabetologia</i> , 2006, 49, 2983-2992.	2.9	187
7	Altered miR-29 Expression in Type 2 Diabetes Influences Glucose and Lipid Metabolism in Skeletal Muscle. <i>Diabetes</i> , 2017, 66, 1807-1818.	0.3	157
8	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.	1.2	121
9	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.	1.1	97
10	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.	0.8	96
11	A moderate glycemic meal before endurance exercise can enhance performance. <i>Journal of Applied Physiology</i> , 1998, 84, 53-59.	1.2	90
12	Growth and differentiation factor 15 is secreted by skeletal muscle during exercise and promotes lipolysis in humans. <i>JCI Insight</i> , 2020, 5, .	2.3	72
13	2â€“D DIGE analysis of the mitochondrial proteome from human skeletal muscle reveals time courseâ€“dependent remodelling in response to 14 consecutive days of endurance exercise training. <i>Proteomics</i> , 2011, 11, 1413-1428.	1.3	68
14	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.	2.0	68
15	Influence of acute exercise with and without carbohydrate replacement on postprandial lipid metabolism. <i>Journal of Applied Physiology</i> , 2009, 106, 943-949.	1.2	61
16	Determinants of diet and physical activity (DEDIPAC): a summary of findings. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 150.	2.0	59
17	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, 721-729.	1.2	58
18	Socio-cultural determinants of physical activity across the life course: a â€“Determinants of Diet and Physical Activityâ€” (DEDIPAC) umbrella systematic literature review. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 173.	2.0	54

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19	Similar to adiponectin, serum levels of osteoprotegerin are associated with obesity in healthy subjects. <i>Metabolism: Clinical and Experimental</i> , 2011, 60, 994-1000.	1.5	52
20	Towards human exploration of space: The THESEUS review series on nutrition and metabolism research priorities. <i>Npj Microgravity</i> , 2016, 2, 16029.	1.9	52
21	Exercise and the Treatment of Diabetes and Obesity. <i>Endocrinology and Metabolism Clinics of North America</i> , 2008, 37, 887-903.	1.2	51
22	Bed rest and resistive vibration exercise unveil novel links between skeletal muscle mitochondrial function and insulin resistance. <i>Diabetologia</i> , 2017, 60, 1491-1501.	2.9	47
23	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.	1.6	46
24	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.	1.1	46
25	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.	1.1	43
26	Reprogramming CHO cell metabolism using miR-23 tips the balance towards a highly productive phenotype. <i>Biotechnology Journal</i> , 2015, 10, 1029-1040.	1.8	42
27	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.	1.8	40
28	Effects of a moderate glycemic meal on exercise duration and substrate utilization. <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, 1517-1523.	0.2	34
29	Exercise and the Treatment of Diabetes and Obesity. <i>Medical Clinics of North America</i> , 2011, 95, 953-969.	1.1	33
30	Proteome-wide Adaptations of Mouse Skeletal Muscles during a Full Month in Space. <i>Journal of Proteome Research</i> , 2017, 16, 2623-2638.	1.8	33
31	The endothelial microparticle response to a high fat meal is not attenuated by prior exercise. <i>European Journal of Applied Physiology</i> , 2009, 106, 555-562.	1.2	32
32	Lipoprotein particle distribution and skeletal muscle lipoprotein lipase activity after acute exercise. <i>Lipids in Health and Disease</i> , 2012, 11, 64.	1.2	29
33	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.	1.3	28
34	Insulin and exercise differentially regulate PI3-kinase and glycogen synthase in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2000, 89, 1412-1419.	1.2	27
35	Osteoprotegerin and biomarkers of vascular inflammation in type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2010, 26, 496-502.	1.7	27
36	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, 1216-1218.	4.3	25

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37	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.	1.2	24
38	The Effects of Atorvastatin on Arterial Stiffness in Male Patients with Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-6.	1.0	23
39	Energy expenditure and affect responses to different types of active video game and exercise. <i>PLoS ONE</i> , 2017, 12, e0176213.	1.1	23
40	The effect of growth hormone replacement on the thyroid axis in patients with hypopituitarism: <i>in vivo</i> and <i>ex vivo</i> studies. <i>Clinical Endocrinology</i> , 2017, 86, 747-754.	1.2	22
41	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, 34-38.	1.5	20
42	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.	1.3	20
43	Endurance exercise training-responsive miR-19b-3p improves skeletal muscle glucose metabolism. <i>Nature Communications</i> , 2021, 12, 5948.	5.8	20
44	The Take PART Study (Physical Activity Research for Teenagers): Rationale and Methods. <i>Journal of Physical Activity and Health</i> , 2009, 6, 170-177.	1.0	19
45	Osteoprotegerin is higher in peripheral arterial disease regardless of glycaemic status. <i>Thrombosis Research</i> , 2010, 126, e423-e427.	0.8	19
46	A Sensing Platform for Physiological and Contextual Feedback to Tennis Athletes. , 2009, , .		18
47	Elevated 12 α -hydroxyeicosatetraenoic acid (12 α -HETE) levels in serum of individuals with newly diagnosed Type 1 diabetes. <i>Diabetic Medicine</i> , 2017, 34, 292-294.	1.2	17
48	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.	1.0	16
49	Transient Increase in Homocysteine but Not Hyperhomocysteinemia during Acute Exercise at Different Intensities in Sedentary Individuals. <i>PLoS ONE</i> , 2012, 7, e51185.	1.1	14
50	Modified Active Videogame Play Results in Moderate-Intensity Exercise. <i>Games for Health Journal</i> , 2014, 3, 234-240.	1.1	14
51	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.	1.8	14
52	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.	1.0	13
53	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, 383-389.	1.1	12
54	Alterations In Thyroid Hormone Levels Following Growth Hormone Replacement Exert Complex Biological Effects. <i>Endocrine Practice</i> , 2018, 24, 342-350.	1.1	12

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55	Identifying coronary artery disease in men with type 2 diabetes. <i>Journal of Hypertension</i> , 2011, 29, 2469-2475.	0.3	11
56	The effect of exercise on osteoprotegerin and TNF-related apoptosis-inducing ligand in obese patients. <i>European Journal of Clinical Investigation</i> , 2012, 42, 1173-1179.	1.7	11
57	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, 630-637.	1.3	11
58	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.	0.8	10
59	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, 1406.	1.2	8
60	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, 1223.	1.7	8
61	Zinc supplementation increases protein titer of recombinant CHO cells. <i>Cytotechnology</i> , 2019, 71, 915-924.	0.7	7
62	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, 365-370.	1.1	6
63	Fetuin-A as a Potential Biomarker of Metabolic Variability Following 60 Days of Bed Rest. <i>Frontiers in Physiology</i> , 2020, 11, 573581.	1.3	6
64	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.	0.5	6
65	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, 269-272.	0.8	5
66	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.	2.6	5
67	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.	0.7	3
68	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.	0.9	3
69	Novel Surface Modified Polymer Microneedle based Biosensors for Interstitial Fluid Glucose Detection. , 2019, , .		3
70	Wearable chemical sensors: Characterization of heart rate electrodes using electrochemical impedance spectroscopy. , 2015, , .		2
71	Is exercise physiology a real science?. <i>Medical Writing</i> , 2012, 21, 284-287.	0.0	0
72	Influence Of Acute Exercise With And Without Glycogen Repletion On Postprandial Metabolism. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S56.	0.2	0