Abdul Dulloo

List of Publications by Year in Descending Order

122 papers	6,219 citations	41 h-index	77 g-index
125 ext. papers	6,831 ext. citations	5.5 avg, IF	5.91 L-index

#	Paper	IF	Citations
122	Energy Balance and Body Weight Homeostasis **2022**, 113-127		
121	Reply to a letter to the editor: Reply of Yves Schutz, Jean-Pierre Montani, and Abdul G. Dulloo to the letter of Dr Anssi Manninen (manuscript ID OBR-01-21-4950) entitled: "Ketogenic diets, dietary ketosis, diabetic ketoacidosis and energy expenditure". *Obesity Reviews*, **2021**, 22, e13281	10.6	
120	Dynamics of Fat Oxidation from Sitting at Rest to Light Exercise in Inactive Young Humans. *Metabolites*, **2021**, 11,	5.6	1
119	Countering impaired glucose homeostasis during catch-up growth with essential polyunsaturated fatty acids: is there a major role for improved insulin sensitivity?. *Nutrition and Diabetes*, **2021**, 11, 4	4.7	
118	Polyunsaturated fatty acids as modulators of fat mass and lean mass in human body composition regulation and cardiometabolic health. *Obesity Reviews*, **2021**, 22 Suppl 2, e13197	10.6	8
117	Pathogenesis of obesity and cardiometabolic diseases: From the legacy of Ancel Keys to current concepts. *Obesity Reviews*, **2021**, 22 Suppl 2, e13193	10.6	
116	Physiology of weight regain: Lessons from the classic Minnesota Starvation Experiment on human body composition regulation. *Obesity Reviews*, **2021**, 22 Suppl 2, e13189	10.6	6
115	Adaptive Thermogenesis Driving Catch-Up Fat Is Associated With Increased Muscle Type 3 and Decreased Hepatic Type 1 Iodothyronine Deiodinase Activities: A Functional and Proteomic Study. *Frontiers in Endocrinology*, **2021**, 12, 631176	5.7	2
114	Low-carbohydrate ketogenic diets in body weight control: A recurrent plaguing issue of fad diets?. *Obesity Reviews*, **2021**, 22 Suppl 2, e13195	10.6	6
113	How dieting might make some fatter: modeling weight cycling toward obesity from a perspective of body composition autoregulation. *International Journal of Obesity*, **2020**, 44, 1243-1253	5.5	17
112	Body composition-derived BMI cut-offs for overweight and obesity in ethnic Indian and Creole urban children of Mauritius. *British Journal of Nutrition*, **2020**, 124, 481-492	3.6	1
111	Total energy expenditure assessed by doubly labeled water technique and estimates of physical activity in Mauritian children: analysis by gender and ethnicity. *European Journal of Clinical Nutrition* , **2020**, 74, 445-453	5.2	1
110	Low 24-hour core body temperature as a thrifty metabolic trait driving catch-up fat during weight regain after caloric restriction. *American Journal of Physiology - Endocrinology and Metabolism*, **2019** , 317, E699-E709	6	8
109	Assessment of the Dose-Response Relationship between Meal Protein Content and Postprandial Thermogenesis: Effect of Sex and the Oral Contraceptive Pill. *Nutrients*, **2019**, 11,	6.7	1
108	Reduced Skeletal Muscle Protein Turnover and Thyroid Hormone Metabolism in Adaptive Thermogenesis That Facilitates Body Fat Recovery During Weight Regain. *Frontiers in Endocrinology* , **2019**, 10, 119	5.7	14
107	Thanks for opening an overdue discussion on GWAS of BMI: a reply to Prof. Speakman et al. *International Journal of Obesity*, **2019**, 43, 217-218	5.5	
106	Collateral fattening in body composition autoregulation: its determinants and significance for obesity predisposition. *European Journal of Clinical Nutrition*, **2018**, 72, 657-664	5.2	13

105	Do gender and ethnic differences in fasting leptin in Indians and Creoles of Mauritius persist beyond differences in adiposity?. *International Journal of Obesity*, **2018**, 42, 280-283	5.5	4
104	Cardiovascular and Metabolic Responses to the Ingestion of Caffeinated Herbal Tea: Drink It Hot or Cold?. *Frontiers in Physiology*, **2018**, 9, 315	4.6	5
103	The contribution of Swiss scientists to the assessment of energy metabolism. *European Journal of Clinical Nutrition*, **2018**, 72, 665-679	5.2	1
102	Targeting lifestyle energy expenditure in the management of obesity and health: from biology to built environment. *Obesity Reviews*, **2018**, 19 Suppl 1, 3-7	10.6	2
101	The case of GWAS of obesity: does body weight control play by the rules?. *International Journal of Obesity*, **2018**, 42, 1395-1405	5.5	28
100	Cardiovascular responses to sugary drinks in humans: galactose presents milder cardiac effects than glucose or fructose. *European Journal of Nutrition*, **2017**, 56, 2105-2113	5.2	8
99	Isometric thermogenesis at rest and during movement: a neglected variable in energy expenditure and obesity predisposition. *Obesity Reviews*, **2017**, 18 Suppl 1, 56-64	10.6	11
98	Nutrition, movement and sleep behaviours: their interactions in pathways to obesity and cardiometabolic diseases. *Obesity Reviews*, **2017**, 18 Suppl 1, 3-6	10.6	12
97	Standing economy: does the heterogeneity in the energy cost of posture maintenance reside in differential patterns of spontaneous weight-shifting?. *European Journal of Applied Physiology*, **2017**, 117, 795-807	3.4	9
96	Passive and active roles of fat-free mass in the control of energy intake and body composition regulation. *European Journal of Clinical Nutrition*, **2017**, 71, 353-357	5.2	69
95	Reliability of low-power cycling efficiency in energy expenditure phenotyping of inactive men and women. *Physiological Reports*, **2017**, 5, e13233	2.6	8
94	Oral Contraceptive Pill Alters Acute Dietary Protein-Induced Thermogenesis in Young Women. *Obesity*, **2017**, 25, 1482-1485	8	3
93	Polyunsaturated Fatty Acids Stimulate Lipogenesis and Improve Glucose Homeostasis during Refeeding with High Fat Diet. *Frontiers in Physiology*, **2017**, 8, 178	4.6	13
92	Issues in Continuous 24-h Core Body Temperature Monitoring in Humans Using an Ingestible Capsule Telemetric Sensor. *Frontiers in Endocrinology*, **2017**, 8, 130	5.7	17
91	Energy Drinks and Their Impact on the Cardiovascular System: Potential Mechanisms. *Advances in Nutrition*, **2016**, 7, 950-60	10	32
90	Preserving of Postnatal Leptin Signaling in Obesity-Resistant Lou/C Rats following a Perinatal High-Fat Diet. *PLoS ONE*, **2016**, 11, e0162517	3.7	2
89	Energy Expenditure and Substrate Oxidation in Response to Side-Alternating Whole Body Vibration across Three Commonly-Used Vibration Frequencies. *PLoS ONE*, **2016**, 11, e0151552	3.7	10
88	Uninephrectomy-Induced Lipolysis and Low-Grade Inflammation Are Mimicked by Unilateral Renal Denervation. *Frontiers in Physiology*, **2016**, 7, 227	4.6	3

87	Sex difference in substrate oxidation during low-intensity isometric exercise in young adults. *Applied Physiology, Nutrition and Metabolism*, **2016**, 41, 977-84	3	9
86	Postprandial thermogenesis and respiratory quotient in response to galactose: comparison with glucose and fructose in healthy young adults. *Journal of Nutritional Science*, **2016**, 5, e4	2.7	8
85	Body composition-derived BMI cut-offs for overweight and obesity in Indians and Creoles of Mauritius: comparison with Caucasians. *International Journal of Obesity*, **2016**, 40, 1906-1914	5.5	21
84	Adaptive Thermogenesis in Resistance to Obesity Therapies: Issues in Quantifying Thrifty Energy Expenditure Phenotypes in Humans. *Current Obesity Reports*, **2015**, 4, 230-40	8.4	23
83	De novo lipogenesis in metabolic homeostasis: More friend than foe?. *Molecular Metabolism*, **2015**, 4, 367-77	8.8	101
82	Postprandial hypotension in older adults: Can it be prevented by drinking water before the meal?. *Clinical Nutrition*, **2015**, 34, 885-91	5.9	6
81	Cardiovascular and cerebrovascular effects in response to red bull consumption combined with mental stress. *American Journal of Cardiology*, **2015**, 115, 183-9	3	25
80	Water-induced thermogenesis and fat oxidation: a reassessment. *Nutrition and Diabetes*, **2015**, 5, e190	4.7	10
79	Uninephrectomy in rats on a fixed food intake results in adipose tissue lipolysis implicating spleen cytokines. *Frontiers in Physiology*, **2015**, 6, 195	4.6	5
78	Caloric restriction induces energy-sparing alterations in skeletal muscle contraction, fiber composition and local thyroid hormone metabolism that persist during catch-up fat upon refeeding. *Frontiers in Physiology*, **2015**, 6, 254	4.6	30
77	Fasting substrate oxidation at rest assessed by indirect calorimetry: is prior dietary macronutrient level and composition a confounder?. *International Journal of Obesity*, **2015**, 39, 1114-7	5.5	17
76	The blood pressure-elevating effect of Red Bull energy drink is mimicked by caffeine but through different hemodynamic pathways. *Physiological Reports*, **2015**, 3, e12290	2.6	22
75	Dieting and weight cycling as risk factors for cardiometabolic diseases: who is really at risk?. *Obesity Reviews*, **2015**, 16 Suppl 1, 7-18	10.6	111
74	How dieting makes the lean fatter: from a perspective of body composition autoregulation through adipostats and proteinstats awaiting discovery. *Obesity Reviews*, **2015**, 16 Suppl 1, 25-35	10.6	67
73	Pathways from dieting to weight regain, to obesity and to the metabolic syndrome: an overview. *Obesity Reviews*, **2015**, 16 Suppl 1, 1-6	10.6	97
72	Sitting comfortably versus lying down: is there really a difference in energy expenditure?. *Clinical Nutrition*, **2014**, 33, 175-8	5.9	22
71	Beyond BMI--phenotyping the obesities. *Obesity Facts*, **2014**, 7, 322-8	5.1	99
70	Cardiovascular responses to the ingestion of sugary drinks using a randomised cross-over study design: Does glucose attenuate the blood pressure-elevating effect of fructose?. *British Journal of Nutrition*, **2014**, 112, 183-92	3.6	32

69	BMI and cardiovascular function in children and adolescents of Mauritius Island. *Journal of Nutritional Science*, **2013**, 2, e3	2.7	4
68	Translational issues in targeting brown adipose tissue thermogenesis for human obesity management. *Annals of the New York Academy of Sciences*, **2013**, 1302, 1-10	6.5	20
67	A role for adipose tissue de novo lipogenesis in glucose homeostasis during catch-up growth: a Randle cycle favoring fat storage. *Diabetes*, **2013**, 62, 362-72	0.9	37
66	Body composition, inflammation and thermogenesis in pathways to obesity and the metabolic syndrome: an overview. *Obesity Reviews*, **2012**, 13 Suppl 2, 1-5	10.6	41
65	Adaptive thermogenesis in human body weight regulation: more of a concept than a measurable entity?. *Obesity Reviews*, **2012**, 13 Suppl 2, 105-21	10.6	73
64	Hepatic mitochondrial energetics during catch-up fat with high-fat diets rich in lard or safflower oil. *Obesity*, **2012**, 20, 1763-72	8	15
63	How dieting makes some fatter: from a perspective of human body composition autoregulation. *Proceedings of the Nutrition Society*, **2012**, 71, 379-89	2.9	43
62	The search for compounds that stimulate thermogenesis in obesity management: from pharmaceuticals to functional food ingredients. *Obesity Reviews*, **2011**, 12, 866-83	10.6	84
61	A role for pancreatic beta-cell secretory hyperresponsiveness in catch-up growth hyperinsulinemia: Relevance to thrifty catch-up fat phenotype and risks for type 2 diabetes. *Nutrition and Metabolism*, **2011**, 8, 2	4.6	14
60	Dietary modulation of body composition and insulin sensitivity during catch-up growth in rats: effects of oils rich in n-6 or n-3 PUFA. *British Journal of Nutrition*, **2011**, 105, 1750-63	3.6	15
59	Set points, settling points and some alternative models: theoretical options to understand how genes and environments combine to regulate body adiposity. *DMM Disease Models and Mechanisms*, **2011**, 4, 733-45	4.1	206
58	Phenotyping for early predictors of obesity and the metabolic syndrome. *International Journal of Obesity*, **2010**, 34 Suppl 2, S1-3	5.5	5
57	Body composition phenotypes in pathways to obesity and the metabolic syndrome. *International Journal of Obesity*, **2010**, 34 Suppl 2, S4-17	5.5	167
56	Adipose tissue plasticity in catch-up-growth trajectories to metabolic syndrome: hyperplastic versus hypertrophic catch-up fat. *Diabetes*, **2009**, 58, 1037-9	0.9	17
55	Dysfunctional foods in pathogenesis of obesity and metabolic syndrome. *International Journal of Obesity*, **2008**, 32 Suppl 6, S1-3	5.5	1
54	Thrifty energy metabolism in catch-up growth trajectories to insulin and leptin resistance. *Best Practice and Research in Clinical Endocrinology and Metabolism*, **2008**, 22, 155-71	6.5	80
53	Thrifty metabolism that favors fat storage after caloric restriction: a role for skeletal muscle phosphatidylinositol-3-kinase activity and AMP-activated protein kinase. *FASEB Journal*, **2008**, 22, 774-85	0.9	43
52	Altered skeletal muscle subsarcolemmal mitochondrial compartment during catch-up fat after caloric restriction. *Diabetes*, **2006**, 55, 2286-93	0.9	65

51	Regulation of fat storage via suppressed thermogenesis: a thrifty phenotype that predisposes individuals with catch-up growth to insulin resistance and obesity. *Hormone Research in Paediatrics*, **2006**, 65 Suppl 3, 90-7	3.3	50
50	A role for skeletal muscle stearoyl-CoA desaturase 1 in control of thermogenesis. *FASEB Journal*, **2006**, 20, 1751-3	0.9	27
49	Propellers of growth trajectories to obesity and the metabolic syndrome. *International Journal of Obesity*, **2006**, 30 Suppl 4, S1-3	5.5	14
48	The thrifty @atch-up fat@phenotype: its impact on insulin sensitivity during growth trajectories to obesity and metabolic syndrome. *International Journal of Obesity*, **2006**, 30 Suppl 4, S23-35	5.5	151
47	Obesity in Parkinson@ disease patients on electrotherapy: collateral damage, adiposity rebound or secular trends?. *British Journal of Nutrition*, **2005**, 93, 417-9	3.6	5
46	A role for suppressed skeletal muscle thermogenesis in pathways from weight fluctuations to the insulin resistance syndrome. *Acta Physiologica Scandinavica*, **2005**, 184, 295-307		42
45	Redistribution of glucose from skeletal muscle to adipose tissue during catch-up fat: a link between catch-up growth and later metabolic syndrome. *Diabetes*, **2005**, 54, 751-6	0.9	123
44	Ectopic fat stores: housekeepers that can overspill into weapons of lean body mass destruction. *International Journal of Obesity*, **2004**, 28 Suppl 4, S1-2	5.5	14
43	Substrate cycling between de novo lipogenesis and lipid oxidation: a thermogenic mechanism against skeletal muscle lipotoxicity and glucolipotoxicity. *International Journal of Obesity*, **2004**, 28 Suppl 4, S29-37	5.5	66
42	The direct effect of leptin on skeletal muscle thermogenesis is mediated by substrate cycling between de novo lipogenesis and lipid oxidation. *FEBS Letters*, **2004**, 577, 539-44	3.8	83
41	Adaptive thermogenesis and uncoupling proteins: a reappraisal of their roles in fat metabolism and energy balance. *Physiology and Behavior*, **2004**, 83, 587-602	3.5	64
40	A role for suppressed thermogenesis favoring catch-up fat in the pathophysiology of catch-up growth. *Diabetes*, **2003**, 52, 1090-7	0.9	96
39	Pathways from weight fluctuations to metabolic diseases: focus on maladaptive thermogenesis during catch-up fat. *International Journal of Obesity*, **2002**, 26 Suppl 2, S46-57	5.5	87
38	Biomedicine. A sympathetic defense against obesity. *Science*, **2002**, 297, 780-1	33.3	58
37	Leptin directly stimulates thermogenesis in skeletal muscle. *FEBS Letters*, **2002**, 515, 109-13	3.8	65
36	Uncoupling protein 3 and fatty acid metabolism. *Biochemical Society Transactions*, **2001**, 29, 785-791	5.1	44
35	An adipose-specific control of thermogenesis in body weight regulation. *International Journal of Obesity*, **2001**, 25 Suppl 5, S22-9	5.5	57
34	Differences in proton leak kinetics, but not in UCP3 protein content, in subsarcolemmal and intermyofibrillar skeletal muscle mitochondria from fed and fasted rats. *FEBS Letters*, **2001**, 505, 53-6	3.8	15

33	Uncoupling proteins: their roles in adaptive thermogenesis and substrate metabolism reconsidered. *British Journal of Nutrition*, **2001**, 86, 123-39	3.6	139
32	Uncoupling protein 3 and fatty acid metabolism. *Biochemical Society Transactions*, **2001**, 29, 785-91	5.1	9
31	Green tea and thermogenesis: interactions between catechin-polyphenols, caffeine and sympathetic activity. *International Journal of Obesity*, **2000**, 24, 252-8	5.5	294
30	Reply to Y-H Kao et al. *American Journal of Clinical Nutrition*, **2000**, 72, 1233-1234	7	3
29	Low-protein overfeeding: a tool to unmask susceptibility to obesity in humans. *International Journal of Obesity*, **1999**, 23, 1118-21	5.5	29
28	UCP2 and UCP3 rise in starved rat skeletal muscle but mitochondrial proton conductance is unchanged. *FEBS Letters*, **1999**, 462, 257-60	3.8	187
27	Efficacy of a green tea extract rich in catechin polyphenols and caffeine in increasing 24-h energy expenditure and fat oxidation in humans. *American Journal of Clinical Nutrition*, **1999**, 70, 1040-5	7	640
26	The control of partitioning between protein and fat during human starvation: its internal determinants and biological significance. *British Journal of Nutrition*, **1999**, 82, 339-56	3.6	70
25	Role of cytokines in AIDS wasting. *Nutrition*, **1998**, 14, 853-63	4.8	26
24	Adaptive reduction in basal metabolic rate in response to food deprivation in humans: a role for feedback signals from fat stores. *American Journal of Clinical Nutrition*, **1998**, 68, 599-606	7	143
23	Spicing fat for combustion. *British Journal of Nutrition*, **1998**, 80, 493-4	3.6	14
22	Poststarvation hyperphagia and body fat overshooting in humans: a role for feedback signals from lean and fat tissues. *American Journal of Clinical Nutrition*, **1997**, 65, 717-23	7	136
21	Human pattern of food intake and fuel-partitioning during weight recovery after starvation: a theory of autoregulation of body composition. *Proceedings of the Nutrition Society*, **1997**, 56, 25-40	2.9	23
20	Uncoupling protein-3: a new member of the mitochondrial carrier family with tissue-specific expression. *FEBS Letters*, **1997**, 408, 39-42	3.8	794
19	Tissue-dependent upregulation of rat uncoupling protein-2 expression in response to fasting or cold. *FEBS Letters*, **1997**, 412, 111-4	3.8	174
18	Regulation of body composition during weight recovery: integrating the control of energy partitioning and thermogenesis. *Clinical Nutrition*, **1997**, 16 Suppl 1, 25-35	5.9	20
17	Twenty-four-hour energy expenditure and urinary catecholamines of humans consuming low-to-moderate amounts of medium-chain triglycerides: a dose-response study in a human respiratory chamber. *European Journal of Clinical Nutrition*, **1996**, 50, 152-8	5.2	82
16	Autoregulation of body composition during weight recovery in human: the Minnesota Experiment revisited **1996**, 20, 393-405		21

15	Dissociation of systemic GH-IGF-I axis from a genetic basis for short stature in African Pygmies. *European Journal of Clinical Nutrition*, **1996**, 50, 371-80	5.2	4
14	Dissociation of enhanced efficiency of fat deposition during weight recovery from sympathetic control of thermogenesis. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1995**, 269, R365-9	3.2	7
13	Differential effects of high-fat diets varying in fatty acid composition on the efficiency of lean and fat tissue deposition during weight recovery after low food intake. *Metabolism: Clinical and Experimental*, **1995**, 44, 273-9	12.7	62
12	Paraxanthine (metabolite of caffeine) mimics caffeine's interaction with sympathetic control of thermogenesis. *American Journal of Physiology - Endocrinology and Metabolism*, **1994**, 267, E801-4	6	4
11	Predisposition to obesity in humans: an evolutionary advantage turned deleterious. *International Journal of Food Sciences and Nutrition*, **1994**, 45, 159-168	3.7	2
10	Suppression of Ca(2+)-dependent heat production in mouse skeletal muscle by high fish oil consumption. *Metabolism: Clinical and Experimental*, **1994**, 43, 931-4	12.7	11
9	Adaptive role of energy expenditure in modulating body fat and protein deposition during catch-up growth after early undernutrition. *American Journal of Clinical Nutrition*, **1993**, 58, 614-21	7	42
8	24 hour energy expenditure several months after weight loss in the underfed rat: evidence for a chronic increase in whole-body metabolic efficiency **1993**, 17, 115-23		14
7	Strategies to counteract readjustments toward lower metabolic rates during obesity management. *Nutrition*, **1993**, 9, 366-72	4.8	11
6	Potentiation of the thermogenic antiobesity effects of ephedrine by dietary methylxanthines: adenosine antagonism or phosphodiesterase inhibition?. *Metabolism: Clinical and Experimental*, **1992**, 41, 1233-41	12.7	85
5	Peripheral mechanisms of thermogenesis induced by ephedrine and caffeine in brown adipose tissue **1991**, 15, 317-26		13
4	Adaptation to low calorie intake in obese mice: contribution of a metabolic component to diminished energy expenditures during and after weight loss **1991**, 15, 7-16		10
3	Role of corticosterone in adaptive changes in energy expenditure during refeeding after low calorie intake. *American Journal of Physiology - Endocrinology and Metabolism*, **1990**, 259, E658-64	6	6
2	Adaptive changes in energy expenditure during refeeding following low-calorie intake: evidence for a specific metabolic component favoring fat storage. *American Journal of Clinical Nutrition*, **1990** , 52, 415-20	7	115
1	Energy expenditure and diet-induced thermogenesis in presence and absence of hyperphagia induced by insulin. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1989**, 257, R717-25	3.2	1