Abdul Dulloo

List of Publications by Year
in descending order

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123 papers	7,666 citations	66234 42 h-index	53109 85 g-index
125 all docs	125 docs citations	125 times ranked	7866 citing authors

#	Article	IF	Citations
1	Uncoupling protein-3: a new member of the mitochondrial carrier family with tissue-specific expression. FEBS Letters, 1997, 408, 39-42.	1.3	957
2	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, 1040-1045.	2.2	753
3	Green tea and thermogenesis: interactions between catechin-polyphenols, caffeine and sympathetic activity. International Journal of Obesity, 2000, 24, 252-258.	1.6	344
4	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, 733-745.	1.2	266
5	Body composition phenotypes in pathways to obesity and the metabolic syndrome. International Journal of Obesity, 2010, 34, S4-S17.	1.6	208
6	UCP2 and UCP3 rise in starved rat skeletal muscle but mitochondrial proton conductance is unchanged. FEBS Letters, 1999, 462, 257-260.	1.3	204
7	Tissue-dependent upregulation of rat uncoupling protein-2 expression in response to fasting or cold. FEBS Letters, 1997, 412, 111-114.	1.3	201
8	Pathways from dieting to weight regain, to obesity and to the metabolic syndrome: an overview. Obesity Reviews, 2015, 16, 1-6.	3.1	197
9	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.	2.2	175
10	The thrifty â€˜catch-up fatâ€™ phenotype: its impact on insulin sensitivity during growth trajectories to obesity and metabolic syndrome. International Journal of Obesity, 2006, 30, S23-S35.	1.6	171
11	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, 717-723.	2.2	164
12	Dieting and weight cycling as risk factors for cardiometabolic diseases: who is really at risk?. Obesity Reviews, 2015, 16, 7-18.	3.1	163
13	Uncoupling proteins: their roles in adaptive thermogenesis and substrate metabolism reconsidered. British Journal of Nutrition, 2001, 86, 123-139.	1.2	158
14	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, 751-756.	0.3	147
15	De novo lipogenesis in metabolic homeostasis: More friend than foe?. Molecular Metabolism, 2015, 4, 367-377.	3.0	144
16	Beyond BMI - Phenotyping the Obesities. Obesity Facts, 2014, 7, 322-328.	1.6	140
17	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, 415-420.	2.2	127
18	A Role for Suppressed Thermogenesis Favoring Catch-Up Fat in the Pathophysiology of Catch-Up Growth. Diabetes, 2003, 52, 1090-1097.	0.3	104

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19	Pathways from weight fluctuations to metabolic diseases: focus on maladaptive thermogenesis during catch-up fat. International Journal of Obesity, 2002, 26, S46-S57.	1.6	102
20	Thrifty energy metabolism in catch-up growth trajectories to insulin and leptin resistance. Best Practice and Research in Clinical Endocrinology and Metabolism, 2008, 22, 155-171.	2.2	99
21	The search for compounds that stimulate thermogenesis in obesity management: from pharmaceuticals to functional food ingredients. Obesity Reviews, 2011, 12, 866-883.	3.1	98
22	Potentiation of the thermogenic antiobesity effects of ephedrine by dietary methylxanthines: Adenosine antagonism or phosphodiesterase inhibition?. Metabolism: Clinical and Experimental, 1992, 41, 1233-1241.	1.5	97
23	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, 539-544.	1.3	95
24	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.	1.3	91
25	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.	1.3	90
26	Adaptive thermogenesis in human body weight regulation: more of a concept than a measurable entity?. Obesity Reviews, 2012, 13, 105-121.	3.1	88
27	How dieting makes the lean fatter: from a perspective of body composition autoregulation through adipostats and proteinstats awaiting discovery. Obesity Reviews, 2015, 16, 25-35.	3.1	87
28	The control of partitioning between protein and fat during human starvation: its internal determinants and biological significance. British Journal of Nutrition, 1999, 82, 339-356.	1.2	80
29	Adaptive thermogenesis and uncoupling proteins: a reappraisal of their roles in fat metabolism and energy balance. Physiology and Behavior, 2004, 83, 587-602.	1.0	78
30	Leptin directly stimulates thermogenesis in skeletal muscle. FEBS Letters, 2002, 515, 109-113.	1.3	74
31	Substrate cycling between de novo lipogenesis and lipid oxidation: a thermogenic mechanism against skeletal muscle lipotoxicity and glucolipotoxicity. International Journal of Obesity, 2004, 28, S29-S37.	1.6	73
32	An adipose-specific control of thermogenesis in body weight regulation. International Journal of Obesity, 2001, 25, S22-S29.	1.6	70
33	Altered Skeletal Muscle Subsarcolemmal Mitochondrial Compartment During Catch-Up Fat After Caloric Restriction. Diabetes, 2006, 55, 2286-2293.	0.3	69
34	BIOMEDICINE: A Sympathetic Defense Against Obesity. Science, 2002, 297, 780-781.	6.0	66
35	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, 273-279.	1.5	64
36	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, 90-97.	0.8	63

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37	How dieting makes some fatter: from a perspective of human body composition autoregulation. Proceedings of the Nutrition Society, 2012, 71, 379-389.	0.4	57
38	Body composition, inflammation and thermogenesis in pathways to obesity and the metabolic syndrome: an overview. Obesity Reviews, 2012, 13, 1-5.	3.1	51
39	Thrifty metabolism that favors fat storage after caloric restriction: a role for skeletal muscle phosphatidylinositolâ€3â€kinase activity and AMPâ€activated protein kinase. FASEB Journal, 2008, 22, 774-785.	0.2	49
40	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, 614-621.	2.2	46
41	The case of GWAS of obesity: does body weight control play by the rules?. International Journal of Obesity, 2018, 42, 1395-1405.	1.6	45
42	Uncoupling protein 3 and fatty acid metabolism. Biochemical Society Transactions, 2001, 29, 785-791.	1.6	44
43	A role for suppressed skeletal muscle thermogenesis in pathways from weight fluctuations to the insulin resistance syndrome. Acta Physiologica Scandinavica, 2005, 184, 295-307.	2.3	44
44	Energy Drinks and Their Impact on the Cardiovascular System: Potential Mechanisms. Advances in Nutrition, 2016, 7, 950-960.	2.9	44
45	A Role for Adipose Tissue De Novo Lipogenesis in Glucose Homeostasis During Catch-up Growth. Diabetes, 2013, 62, 362-372.	0.3	43
46	Low-protein overfeeding: a tool to unmask susceptibility to obesity in humans. International Journal of Obesity, 1999, 23, 1118-1121.	1.6	41
47	Fasting substrate oxidation at rest assessed by indirect calorimetry: is prior dietary macronutrient level and composition a confounder?. International Journal of Obesity, 2015, 39, 1114-1117.	1.6	40
48	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, 183-192.	1.2	39
49	Cardiovascular and Cerebrovascular Effects in Response to Red Bull Consumption Combined With Mental Stress. American Journal of Cardiology, 2015, 115, 183-189.	0.7	39
50	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.	1.3	36
51	The blood pressure-elevating effect of Red Bull energy drink is mimicked by caffeine but through different hemodynamic pathways. Physiological Reports, 2015, 3, e12290.	0.7	32
52	Adaptive Thermogenesis in Resistance to Obesity Therapies: Issues in Quantifying Thrifty Energy Expenditure Phenotypes in Humans. Current Obesity Reports, 2015, 4, 230-240.	3.5	32
53	Polyunsaturated fatty acids as modulators of fat mass and lean mass in human body composition regulation and cardiometabolic health. Obesity Reviews, 2021, 22, e13197.	3.1	32
54	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.	0.4	30

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55	Role of cytokines in AIDS wasting. Nutrition, 1998, 14, 853-863.	1.1	30
56	A role for skeletal muscle stearoylâ€CoA desaturase 1 in control of thermogenesis. FASEB Journal, 2006, 20, 1751-1753.	0.2	30
57	Sitting comfortably versus lying down: Is there really a difference in energy expenditure?. Clinical Nutrition, 2014, 33, 175-178.	2.3	29
58	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.	1.6	29
59	Physiology of weight regain: Lessons from the classic Minnesota Starvation Experiment on human body composition regulation. Obesity Reviews, 2021, 22, e13189.	3.1	27
60	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.	1.6	26
61	Issues in Continuous 24-h Core Body Temperature Monitoring in Humans Using an Ingestible Capsule Telemetric Sensor. Frontiers in Endocrinology, 2017, 8, 130.	1.5	25
62	Regulation of body composition during weight recovery: integrating the control of energy partitioning and thermogenesis. Clinical Nutrition, 1997, 16, 25-35.	2.3	23
63	Lowâ€carbohydrate ketogenic diets in body weight control: A recurrent plaguing issue of fad diets?. Obesity Reviews, 2021, 22, e13195.	3.1	23
64	Autoregulation of body composition during weight recovery in human: the Minnesota Experiment revisited. , 1996, 20, 393-405.		22
65	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.	1.5	21
66	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, 53-56.	1.3	20
67	Translational issues in targeting brown adipose tissue thermogenesis for human obesity management. Annals of the New York Academy of Sciences, 2013, 1302, 1-10.	1.8	20
68	Collateral fattening: When a deficit in lean body mass drives overeating. Obesity, 2017, 25, 277-279.	1.5	20
69	Collateral fattening in body composition autoregulation: its determinants and significance for obesity predisposition. European Journal of Clinical Nutrition, 2018, 72, 657-664.	1.3	20
70	Adipose Tissue Plasticity in Catch-Up-Growth Trajectories to Metabolic Syndrome: Hyperplastic Versus Hypertrophic Catch-Up Fat. Diabetes, 2009, 58, 1037-1039.	0.3	18
71	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, 1750-1763.	1.2	17
72	Sex difference in substrate oxidation during low-intensity isometric exercise in young adults. Applied Physiology, Nutrition and Metabolism, 2016, 41, 977-984.	0.9	17

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73	Nutrition, movement and sleep behaviours: their interactions in pathways to obesity and cardiometabolic diseases. Obesity Reviews, 2017, 18, 3-6.	3.1	17
74	Ectopic fat stores: housekeepers that can overspill into weapons of lean body mass destruction. International Journal of Obesity, 2004, 28, S1-S2.	1.6	16
75	Propellers of growth trajectories to obesity and the metabolic syndrome. International Journal of Obesity, 2006, 30, S1-S3.	1.6	16
76	Hepatic Mitochondrial Energetics During Catchâ€Up Fat With Highâ€Fat Diets Rich in Lard or Safflower Oil. Obesity, 2012, 20, 1763-1772.	1.5	16
77	Polyunsaturated Fatty Acids Stimulate De novo Lipogenesis and Improve Glucose Homeostasis during Refeeding with High Fat Diet. Frontiers in Physiology, 2017, 8, 178.	1.3	16
78	Spicing fat for combustion. British Journal of Nutrition, 1998, 80, 493-494.	1.2	15
79	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.	1.3	14
80	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
81	Energy Expenditure and Substrate Oxidation in Response to Side-Alternating Whole Body Vibration across Three Commonly-Used Vibration Frequencies. PLoS ONE, 2016, 11, e0151552.	1.1	13
82	Isometric thermogenesis at rest and during movement: a neglected variable in energy expenditure and obesity predisposition. Obesity Reviews, 2017, 18, 56-64.	3.1	13
83	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.	1.2	13
84	Peripheral mechanisms of thermogenesis induced by ephedrine and caffeine in brown adipose tissue. , 1991, 15, 317-26.		13
85	Strategies to counteract readjustments toward lower metabolic rates during obesity management. Nutrition, 1993, 9, 366-72.	1.1	13
86	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-R369.	0.9	12
87	Cardiovascular responses to sugary drinks in humans: galactose presents milder cardiac effects than glucose or fructose. European Journal of Nutrition, 2017, 56, 2105-2113.	1.8	12
88	Suppression of Ca2+-dependent heat production in mouse skeletal muscle by high fish oil consumption. Metabolism: Clinical and Experimental, 1994, 43, 931-934.	1.5	11
89	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.	1.8	11
90	Uncoupling protein 3 and fatty acid metabolism. Biochemical Society Transactions, 2001, 29, 785-91.	1.6	11

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91	Water-induced thermogenesis and fat oxidation: a reassessment. Nutrition and Diabetes, 2015, 5, e190-e190.	1.5	10
92	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.	0.7	10
93	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
94	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-E664.	1.8	9
95	Postprandial hypotension in older adults: Can it be prevented by drinking water before the meal?. Clinical Nutrition, 2015, 34, 885-891.	2.3	9
96	Reliability of low-power cycling efficiency in energy expenditure phenotyping of inactive men and women. Physiological Reports, 2017, 5, e13233.	0.7	9
97	Paraxanthine (metabolite of caffeine) mimics caffeine's interaction with sympathetic control of thermogenesis. American Journal of Physiology - Endocrinology and Metabolism, 1994, 267, E801-E804.	1.8	8
98	Obesity in Parkinson's disease patients on electrotherapy: collateral damage, adiposity rebound or secular trends?. British Journal of Nutrition, 2005, 93, 417-419.	1.2	6
99	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.	1.5	6
100	Phenotyping for early predictors of obesity and the metabolic syndrome. International Journal of Obesity, 2010, 34, S1-S3.	1.6	5
101	BMI and cardiovascular function in children and adolescents of Mauritius Island. Journal of Nutritional Science, 2013, 2, e3.	0.7	5
102	Uninephrectomy in rats on a fixed food intake results in adipose tissue lipolysis implicating spleen cytokines. Frontiers in Physiology, 2015, 6, 195.	1.3	5
103	Uninephrectomy-Induced Lipolysis and Low-Grade Inflammation Are Mimicked by Unilateral Renal Denervation. Frontiers in Physiology, 2016, 7, 227.	1.3	5
104	Oral Contraceptive Pill Alters Acute Dietary Proteinâ€Induced Thermogenesis in Young Women. Obesity, 2017, 25, 1482-1485.	1.5	5
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.	1.6	5
106	Cardiovascular and Metabolic Responses to the Ingestion of Caffeinated Herbal Tea: Drink It Hot or Cold?. Frontiers in Physiology, 2018, 9, 315.	1.3	5
107	Assessment of the Doseâ€“Response Relationship between Meal Protein Content and Postprandial Thermogenesis: Effect of Sex and the Oral Contraceptive Pill. Nutrients, 2019, 11, 1599.	1.7	5
108	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.	1.3	5

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109	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.	1.3	5
110	Targeting lifestyle energy expenditure in the management of obesity and health: from biology to built environment. Obesity Reviews, 2018, 19, 3-7.	3.1	4
111	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.	1.2	4
112	Preserving of Postnatal Leptin Signaling in Obesity-Resistant Lou/C Rats following a Perinatal High-Fat Diet. PLoS ONE, 2016, 11, e0162517.	1.1	4
113	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-R725.	0.9	3
114	Reply to Y-H Kao et al. American Journal of Clinical Nutrition, 2000, 72, 1233-1234.	2.2	3
115	Dynamics of Fat Oxidation from Sitting at Rest to Light Exercise in Inactive Young Humans. Metabolites, 2021, 11, 334.	1.3	3
116	Predisposition to obesity in humans: an evolutionary advantage turned deleterious. International Journal of Food Sciences and Nutrition, 1994, 45, 159-168.	1.3	2
117	Dysfunctional foods in pathogenesis of obesity and metabolic syndrome. International Journal of Obesity, 2008, 32, S1-S3.	1.6	1
118	The contribution of Swiss scientists to the assessment of energy metabolism. European Journal of Clinical Nutrition, 2018, 72, 665-679.	1.3	1
119	The fourth International conference on Recent Advances and Controversies in Measuring Energy Metabolism (RACMEM). European Journal of Clinical Nutrition, 2018, 72, 627-627.	1.3	0
120	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.	1.6	0
121	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.	1.5	0
122	Pathogenesis of obesity and cardiometabolic diseases: From the legacy of Ancel Keys to current concepts. Obesity Reviews, 2021, 22, e13193.	3.1	0
123	Reply to a letter to the editor: Reply of Yves Schutz, Jeanâ€Pierre Montani, and Abdul G. Dulloo to the letter of Dr Anssi Manninen (manuscript ID OBRâ€01â€21â€4950) entitled: â€œKetogenic diets, dietary ketosis, diabetic ketoacidosis and energy expenditureâ€. Obesity Reviews, 2021, 22, e13281.	3.1	0