

# William T Festuccia

## List of Publications by Year in descending order

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106  
papers

3,753  
citations

126708

33  
h-index

138251

58  
g-index

107  
all docs

107  
docs citations

107  
times ranked

6299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic Rapamycin Treatment Causes Glucose Intolerance and Hyperlipidemia by Upregulating Hepatic Gluconeogenesis and Impairing Lipid Deposition in Adipose Tissue. <i>Diabetes</i> , 2010, 59, 1338-1348.	0.3	383
2	Mechanisms underlying skeletal muscle insulin resistance induced by fatty acids: importance of the mitochondrial function. <i>Lipids in Health and Disease</i> , 2012, 11, 30.	1.2	213
3	Sympathetic innervation of white adipose tissue and its regulation of fat cell number. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 286, R1167-R1175.	0.9	179
4	Tributylin attenuates obesity-associated inflammation and insulin resistance in high-fat-fed mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E272-E282.	1.8	126
5	PPAR $\beta$ agonism increases rat adipose tissue lipolysis, expression of glyceride lipases, and the response of lipolysis to hormonal control. <i>Diabetologia</i> , 2006, 49, 2427-2436.	2.9	124
6	Mechanisms of the Depot Specificity of Peroxisome Proliferator-Activated Receptor $\alpha$ Action on Adipose Tissue Metabolism. <i>Diabetes</i> , 2006, 55, 2771-2778.	0.3	113
7	A comparative perspective on lipid storage in animals. <i>Journal of Cell Science</i> , 2013, 126, 1541-1552.	1.2	112
8	Major involvement of mTOR in the PPAR $\beta$ -induced stimulation of adipose tissue lipid uptake and fat accretion. <i>Journal of Lipid Research</i> , 2012, 53, 1117-1125.	2.0	110
9	Peroxisome Proliferator-Activated Receptor- $\beta$ -Mediated Positive Energy Balance in the Rat Is Associated with Reduced Sympathetic Drive to Adipose Tissues and Thyroid Status. <i>Endocrinology</i> , 2008, 149, 2121-2130.	1.4	106
10	DEPTOR Cell-Autonomously Promotes Adipogenesis, and Its Expression Is Associated with Obesity. <i>Cell Metabolism</i> , 2012, 16, 202-212.	7.2	99
11	Myeloid-Specific Rictor Deletion Induces M1 Macrophage Polarization and Potentiates In Vivo Pro-Inflammatory Response to Lipopolysaccharide. <i>PLoS ONE</i> , 2014, 9, e95432.	1.1	94
12	Human Cachexia Induces Changes in Mitochondria, Autophagy and Apoptosis in the Skeletal Muscle. <i>Cancers</i> , 2019, 11, 1264.	1.7	77
13	Depot-specific effects of the PPAR $\beta$ agonist rosiglitazone on adipose tissue glucose uptake and metabolism. <i>Journal of Lipid Research</i> , 2009, 50, 1185-1194.	2.0	73
14	Hypothalamic Actions of Tumor Necrosis Factor $\alpha$ Provide the Thermogenic Core for the Wastage Syndrome in Cachexia. <i>Endocrinology</i> , 2010, 151, 683-694.	1.4	73
15	Depot-Specific Modulation of Rat Intraabdominal Adipose Tissue Lipid Metabolism by Pharmacological Inhibition of 11 $\beta$ -Hydroxysteroid Dehydrogenase Type 1. <i>Endocrinology</i> , 2007, 148, 2391-2397.	1.4	71
16	Control of Brown Adipose Tissue Glucose and Lipid Metabolism by PPAR $\beta$ . <i>Frontiers in Endocrinology</i> , 2011, 2, 84.	1.5	64
17	mTORC1 is Required for Brown Adipose Tissue Recruitment and Metabolic Adaptation to Cold. <i>Scientific Reports</i> , 2016, 6, 37223.	1.6	64
18	Palmitoleic acid (n-7) increases white adipocyte lipolysis and lipase content in a PPAR $\alpha$ -dependent manner. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1093-E1102.	1.8	63

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19	Palmitoleic acid (n-7) increases white adipocytes GLUT4 content and glucose uptake in association with AMPK activation. <i>Lipids in Health and Disease</i> , 2014, 13, 199.	1.2	55
20	The PPAR $\beta$ agonist rosiglitazone enhances rat brown adipose tissue lipogenesis from glucose without altering glucose uptake. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1327-R1335.	0.9	54
21	11 $\beta$ -HSD1 inhibition improves triglyceridemia through reduced liver VLDL secretion and partitions lipids toward oxidative tissues. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1045-E1052.	1.8	52
22	Basal adrenergic tone is required for maximal stimulation of rat brown adipose tissue UCP1 expression by chronic PPAR $\beta$ activation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R159-R167.	0.9	52
23	Demethylation and epigenetic modification with 5-azacytidine reduces IDH1 mutant glioma growth in combination with temozolomide. <i>Neuro-Oncology</i> , 2019, 21, 189-200.	0.6	49
24	Fat-specific Dicer deficiency accelerates aging and mitigates several effects of dietary restriction in mice. <i>Aging</i> , 2016, 8, 1201-1222.	1.4	47
25	Omega-3 fatty acids protect from diet-induced obesity, glucose intolerance, and adipose tissue inflammation through PPAR $\beta$ -dependent and PPAR $\alpha$ -independent actions. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 957-967.	1.5	46
26	mTORC1 inhibition with rapamycin exacerbates adipose tissue inflammation in obese mice and dissociates macrophage phenotype from function. <i>Immunobiology</i> , 2017, 222, 261-271.	0.8	41
27	PPAR $\beta$ activation attenuates glucose intolerance induced by mTOR inhibition with rapamycin in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E1046-E1054.	1.8	40
28	The hepatokine Tsukushi is released in response to NAFLD and impacts cholesterol homeostasis. <i>JCI Insight</i> , 2019, 4, .	2.3	39
29	Expression of glycerokinase in brown adipose tissue is stimulated by the sympathetic nervous system. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 284, R1536-R1541.	0.9	37
30	Tissue-specific postprandial clearance is the major determinant of PPAR $\beta$ -induced triglyceride lowering in the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R57-R66.	0.9	37
31	Adipocyte mTORC1 deficiency promotes adipose tissue inflammation and NLRP3 inflammasome activation via oxidative stress and de novo ceramide synthesis. <i>Journal of Lipid Research</i> , 2017, 58, 1797-1807.	2.0	37
32	Glyceroneogenesis Is Reduced and Glucose Uptake Is Increased in Adipose Tissue from Cafeteria Diet-Fed Rats Independently of Tissue Sympathetic Innervation. <i>Journal of Nutrition</i> , 2006, 136, 2475-2480.	1.3	36
33	Constitutive adipocyte mTORC1 activation enhances mitochondrial activity and reduces visceral adiposity in mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 430-438.	1.2	36
34	Dectin-1 Activation Exacerbates Obesity and Insulin Resistance in the Absence of MyD88. <i>Cell Reports</i> , 2017, 19, 2272-2288.	2.9	36
35	Phenolic compounds from cambuci ( <i>Campomanesia phaea</i> O. Berg) fruit attenuate glucose intolerance and adipose tissue inflammation induced by a high-fat, high-sucrose diet. <i>Food Research International</i> , 2015, 69, 170-178.	2.9	35
36	Brown adipose tissue glyceroneogenesis is activated in rats exposed to cold. <i>Pflugers Archiv European Journal of Physiology</i> , 2005, 449, 463-469.	1.3	34

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37	Rosiglitazone-induced heart remodelling is associated with enhanced turnover of myofibrillar protein and mTOR activation. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 47, 85-95.	0.9	32
38	High-fat diet-induced hypertension and autonomic imbalance are associated with an upregulation of CART in the dorsomedial hypothalamus of mice. <i>Physiological Reports</i> , 2016, 4, e12811.	0.7	31
39	Glucose uptake, glucose transporter GLUT4, and glycolytic enzymes in brown adipose tissue from rats adapted to a high-protein diet. <i>Metabolism: Clinical and Experimental</i> , 2002, 51, 1501-1505.	1.5	30
40	Involvement of adipose tissues in the early hypolipidemic action of PPAR $\beta$ agonism in the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1408-R1417.	0.9	29
41	Peroxisome proliferator-activated receptor $\alpha$ activation favours selective subcutaneous lipid deposition by coordinately regulating lipoprotein lipase modulators, fatty acid transporters and lipogenic enzymes. <i>Acta Physiologica</i> , 2016, 217, 227-239.	1.8	29
42	Fish Oil Protects Wild Type and Uncoupling Protein 1-Deficient Mice from Obesity and Glucose Intolerance by Increasing Energy Expenditure. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1800813.	1.5	29
43	Glycerokinase activity in brown adipose tissue: a sympathetic regulation?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 282, R1185-R1190.	0.9	28
44	PPAR $\beta$ is a major regulator of branched-chain amino acid blood levels and catabolism in white and brown adipose tissues. <i>Metabolism: Clinical and Experimental</i> , 2018, 89, 27-38.	1.5	27
45	Regulation of Metabolic Disease-Associated Inflammation by Nutrient Sensors. <i>Mediators of Inflammation</i> , 2018, 2018, 1-18.	1.4	26
46	Eicosapentaenoic Acid Reduces Adiposity, Glucose Intolerance and Increases Oxygen Consumption Independently of Uncoupling Protein 1. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800821.	1.5	26
47	Regulation of Adipocyte and Macrophage Functions by mTORC1 and 2 in Metabolic Diseases. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e1900768.	1.5	25
48	Consumo máximo de oxigênio e limiar anaeróbio de jogadores de futebol: comparação entre as diferentes posições. <i>Revista Brasileira De Medicina Do Esporte</i> , 2002, 8, 32-36.	0.1	24
49	Control of glyceroneogenic activity in rat brown adipose tissue. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 285, R177-R182.	0.9	24
50	Palmitoleic acid reduces high fat diet-induced liver inflammation by promoting PPAR $\beta$ -independent M2a polarization of myeloid cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158776.	1.2	23
51	A leukotriene-dependent spleen-liver axis drives TNF production in systemic inflammation. <i>Science Signaling</i> , 2021, 14, .	1.6	22
52	Increased glyceroneogenesis in adipose tissue from rats adapted to a high-protein, carbohydrate-free diet: role of dietary fatty acids. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 84-89.	1.5	21
53	Cagaita fruit ( <i>Eugenia dysenterica</i> DC.) and obesity: Role of polyphenols on already established obesity. <i>Food Research International</i> , 2018, 103, 40-47.	2.9	21
54	Hypothalamic stearoyl-CoA desaturase-2 (SCD2) controls whole-body energy expenditure. <i>International Journal of Obesity</i> , 2016, 40, 471-478.	1.6	19

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55	Critical review of beige adipocyte thermogenic activation and contribution to whole-body energy expenditure. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2017, 31, .	0.3	19
56	A novel peptide that improves metabolic parameters without adverse central nervous system effects. <i>Scientific Reports</i> , 2017, 7, 14781.	1.6	19
57	The Hepatokine TSK does not affect brown fat thermogenic capacity, body weight gain, and glucose homeostasis. <i>Molecular Metabolism</i> , 2019, 30, 184-191.	3.0	19
58	Dynamic changes in DICER levels in adipose tissue control metabolic adaptations to exercise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23932-23941.	3.3	19
59	Interscapular brown adipose tissue denervation does not promote the oxidative activity of inguinal white adipose tissue in male mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E815-E824.	1.8	17
60	Polyphenols of cambuci ( <i>Campomanesia phaea</i> (O. Berg.)) fruit ameliorate insulin resistance and hepatic steatosis in obese mice. <i>Food Chemistry</i> , 2021, 340, 128169.	4.2	17
61	Additive action of 11 $\beta$ -HSD1 inhibition and PPAR $\gamma$ agonism on hepatic steatosis and triglyceridemia in diet-induced obese rats. <i>International Journal of Obesity</i> , 2009, 33, 601-604.	1.6	16
62	Exercise rescues the immune response finely-tuned impaired by peroxisome proliferator-activated receptors $\gamma$ deletion in macrophages. <i>Journal of Cellular Physiology</i> , 2019, 234, 5241-5251.	2.0	16
63	Preliminary report: pharmacologic 11 $\beta$ -hydroxysteroid dehydrogenase type 1 inhibition increases hepatic fat oxidation in vivo and expression of related genes in rats fed an obesogenic diet. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 114-117.	1.5	15
64	PPAR $\gamma$ activation attenuates cold-induced upregulation of thyroid status and brown adipose tissue PGC-1 $\alpha$ and D2. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R1277-R1285.	0.9	15
65	Dietary sulfur amino acid restriction upregulates DICER to confer beneficial effects. <i>Molecular Metabolism</i> , 2019, 29, 124-135.	3.0	15
66	Integrated Proteomics Reveals Apoptosis-related Mechanisms Associated with Placental Malaria*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 182-199.	2.5	15
67	miRNA-22 deletion limits white adipose expansion and activates brown fat to attenuate high-fat diet-induced fat mass accumulation. <i>Metabolism: Clinical and Experimental</i> , 2021, 117, 154723.	1.5	15
68	Liver lipidome signature and metabolic pathways in nonalcoholic fatty liver disease induced by a high-sugar diet. <i>Journal of Nutritional Biochemistry</i> , 2021, 87, 108519.	1.9	12
69	Adipocyte-specific mTORC2 deficiency impairs BAT and iWAT thermogenic capacity without affecting glucose uptake and energy expenditure in cold-acclimated mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E592-E605.	1.8	12
70	Response to Intra- and Extracellular Lipolytic Agents and Hormone-Sensitive Lipase Translocation Are Impaired in Adipocytes from Rats Adapted to a High-Protein, Carbohydrate-Free Diet. <i>Journal of Nutrition</i> , 2004, 134, 2919-2923.	1.3	11
71	Immunometabolism: Molecular Mechanisms, Diseases, and Therapies 2016. <i>Mediators of Inflammation</i> , 2017, 2017, 1-2.	1.4	10
72	Regulation of adiposity by mTORC1. <i>Einstein (Sao Paulo, Brazil)</i> , 2017, 15, 507-511.	0.3	10

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73	PPAR $\beta$ -induced upregulation of subcutaneous fat adiponectin secretion, glyceroneogenesis and BCAA oxidation requires mTORC1 activity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158967.	1.2	10
74	Leukotriene-B4 modulates macrophage metabolism and fat loss in type 1 diabetic mice. <i>Journal of Leukocyte Biology</i> , 2019, 106, 665-675.	1.5	9
75	Lipoatrophy-Associated Insulin Resistance and Hepatic Steatosis are Attenuated by Intake of Diet Rich in Omega 3 Fatty Acids. <i>Molecular Nutrition and Food Research</i> , 2020, 64, 1900833.	1.5	9
76	Depot specificities of PPAR $\gamma$ ligand actions on lipid and glucose metabolism and their implication in PPAR $\gamma$ -mediated body fat redistribution. <i>Clinical Lipidology</i> , 2009, 4, 633-642.	0.4	8
77	Interleukin-6 and the Gut Microbiota Influence Melanoma Progression in Obese Mice. <i>Nutrition and Cancer</i> , 2021, 73, 642-651.	0.9	8
78	Long-term supplementation with phenolic compounds from jaboticaba ( <i>Plinia jaboticaba</i> (Vell.) Berg) reduces adiposity and improves glucose, lipid, and energy metabolism. <i>Food Research International</i> , 2021, 143, 110302.	2.9	8
79	Regulation of brown adipose tissue recruitment, metabolism and thermogenic function by peroxisome proliferator-activated receptor $\gamma$ . <i>Temperature</i> , 2015, 2, 476-482.	1.7	7
80	Effect of FKBP12-Derived Intracellular Peptides on Rapamycin-Induced FKBP-FRB Interaction and Autophagy. <i>Cells</i> , 2022, 11, 385.	1.8	7
81	Autophagy deficiency abolishes liver mitochondrial DNA segregation. <i>Autophagy</i> , 2022, 18, 2397-2408.	4.3	6
82	Constitutive Activation of the Nutrient Sensor mTORC1 in Myeloid Cells Induced by Tsc1 Deletion Protects Mice from Diet-Induced Obesity. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800283.	1.5	5
83	Immunometabolism: Molecular Mechanisms, Diseases, and Therapies 2018. <i>Mediators of Inflammation</i> , 2019, 2019, 1-2.	1.4	5
84	Mild-cold water swimming does not exacerbate white adipose tissue browning and brown adipose tissue activation in mice. <i>Journal of Physiology and Biochemistry</i> , 2020, 76, 663-672.	1.3	5
85	Macrophage immunophenotype but not anti-inflammatory profile is modulated by peroxisome proliferator-activated receptor gamma (PPAR $\gamma$ ) in exercised obese mice. <i>Exercise Immunology Review</i> , 2020, 26, 10-22.	0.4	5
86	Adaptation to a high protein, carbohydrate-free diet induces a marked reduction of fatty acid synthesis and lipogenic enzymes in rat adipose tissue that is rapidly reverted by a balanced diet. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005, 83, 477-482.	0.7	4
87	Depletion of Ric-8B leads to reduced mTORC2 activity. <i>PLoS Genetics</i> , 2020, 16, e1008255.	1.5	3
88	Sympathetic Regulation of Slc2a4 Gene Expression: Participation of a Putative cAMP Responsive Element (CRE) Site in the Slc2a4 Promoter. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 580-594.	1.1	3
89	New Intracellular Peptide Derived from Hemoglobin Alpha Chain Induces Glucose Uptake and Reduces Blood Glycemia. <i>Pharmaceutics</i> , 2021, 13, 2175.	2.0	3
90	Loss of mTORC2 Activity in Neutrophils Impairs Fusion of Granules and Affects Cellular Metabolism Favoring Increased Bacterial Burden in Sepsis. <i>Journal of Immunology</i> , 2021, 207, 626-639.	0.4	2

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91	Sex-Dependent Effects of Eicosapentaenoic Acid on Hepatic Steatosis in UCP1 Knockout Mice. <i>Biomedicines</i> , 2021, 9, 1549.	1.4	1
92	The Role of Adiponectin in an Experimental Model of Allogeneic Skin Transplantation.. <i>Transplantation</i> , 2014, 98, 330.	0.5	0
93	Immunometabolism: Molecular Mechanisms, Diseases, and Therapies. <i>Mediators of Inflammation</i> , 2014, 2014, 1-2.	1.4	0
94	Palmitoleate attenuates diet induced insulin resistance and hepatic inflammation independently of PPAR- $\alpha$ . <i>Cancer &amp; Metabolism</i> , 2014, 2, .	2.4	0
95	Turning up the heat against metabolic syndrome and non-alcoholic fatty liver disease. <i>Clinical Science</i> , 2017, 131, 327-328.	1.8	0
96	Thermoneutrality Reduces the Beneficial Metabolic Effects of Eicosapentaenoic Acid on White Adipose Tissue in Diet-Induced Obese Mice. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa058_012.	0.1	0
97	Sex-Dependent Effects of Eicosapentaenoic Acid and UCP1 Deficiency on Hepatic Steatosis in Diet-Induced Obese Mice. <i>Current Developments in Nutrition</i> , 2021, 5, 1193.	0.1	0
98	Editorial: Interplay Between Autophagy and Metabolic Syndrome: Causes, Consequences and Therapeutic Challenges. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 765778.	1.8	0
99	Palmitoleic acid enhances glucose uptake and glycerol- $\beta$ -phosphate generation in adipocytes (LB426). <i>FASEB Journal</i> , 2014, 28, LB426.	0.2	0
100	Abstract P1-08-08: Reduction of HER2-associated lipogenic phenotype by docosahexaenoic acid (DHA) induces apoptosis in breast tumor cells harboring HER2 overexpression. , 2015, , .		0
101	Eicosapentaenoic Acid Reduces Hepatic Steatosis Independently of UCP1. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
102	Lipoatrophy-associated insulin resistance and hepatic steatosis are attenuated by intake of diet rich in omega 3 fatty acids.. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
103	Depletion of Ric-8B leads to reduced mTORC2 activity. , 2020, 16, e1008255.		0
104	Depletion of Ric-8B leads to reduced mTORC2 activity. , 2020, 16, e1008255.		0
105	Depletion of Ric-8B leads to reduced mTORC2 activity. , 2020, 16, e1008255.		0
106	Depletion of Ric-8B leads to reduced mTORC2 activity. , 2020, 16, e1008255.		0