

# Sheila Collins

## List of Publications by Year in descending order

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33  
papers

2,996  
citations

304743

22  
h-index

477307

29  
g-index

37  
all docs

37  
docs citations

37  
times ranked

4376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac natriuretic peptides act via p38 MAPK to induce the brown fat thermogenic program in mouse and human adipocytes. <i>Journal of Clinical Investigation</i> , 2012, 122, 1022-1036.	8.2	730
2	p38 Mitogen-Activated Protein Kinase Is the Central Regulator of Cyclic AMP-Dependent Transcription of the Brown Fat Uncoupling Protein 1 Gene. <i>Molecular and Cellular Biology</i> , 2004, 24, 3057-3067.	2.3	473
3	$\beta$ -Adrenergic Activation of p38 MAP Kinase in Adipocytes. <i>Journal of Biological Chemistry</i> , 2001, 276, 27077-27082.	3.4	257
4	Research Priorities for Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2020, 141, 1001-1026.	1.6	239
5	Activation of mTORC1 is essential for $\beta$ -adrenergic stimulation of adipose browning. <i>Journal of Clinical Investigation</i> , 2016, 126, 1704-1716.	8.2	171
6	The Functional Characterization of Long Noncoding RNA <i>SPRY4-IT1</i> in Human Melanoma Cells. <i>Oncotarget</i> , 2014, 5, 8959-8969.	1.8	142
7	A heart-adipose tissue connection in the regulation of energy metabolism. <i>Nature Reviews Endocrinology</i> , 2014, 10, 157-163.	9.6	114
8	p62 Links $\beta$ -adrenergic input to mitochondrial function and thermogenesis. <i>Journal of Clinical Investigation</i> , 2013, 123, 469-478.	8.2	107
9	Selective Activation of Mitogen-Activated Protein (MAP) Kinase Kinase 3 and p38 MAP Kinase Is Essential for Cyclic AMP-Dependent UCP1 Expression in Adipocytes. <i>Molecular and Cellular Biology</i> , 2005, 25, 5466-5479.	2.3	101
10	Enhancing natriuretic peptide signaling in adipose tissue, but not in muscle, protects against diet-induced obesity and insulin resistance. <i>Science Signaling</i> , 2017, 10, .	3.6	82
11	Adipose tissue natriuretic peptide receptor expression is related to insulin sensitivity in obesity and diabetes. <i>Obesity</i> , 2016, 24, 820-828.	3.0	65
12	HDAC11 suppresses the thermogenic program of adipose tissue via BRD2. <i>JCI Insight</i> , 2018, 3, .	5.0	65
13	Cardiac natriuretic peptides promote adipose "browning" through mTOR complex-1. <i>Molecular Metabolism</i> , 2018, 9, 192-198.	6.5	59
14	CCAAT/Enhancer-binding Protein $\beta$ Is Required for Transcription of the $\beta$ -Adrenergic Receptor Gene during Adipogenesis. <i>Journal of Biological Chemistry</i> , 2001, 276, 722-728.	3.4	44
15	Control of Adipocyte Thermogenesis and Lipogenesis through $\beta$ -Adrenergic and Thyroid Hormone Signal Integration. <i>Cell Reports</i> , 2020, 31, 107598.	6.4	37
16	A compendium of G-protein-coupled receptors and cyclic nucleotide regulation of adipose tissue metabolism and energy expenditure. <i>Clinical Science</i> , 2020, 134, 473-512.	4.3	34
17	Uncoupling and reactive oxygen species (ROS) - A double-edged sword for $\beta$ -cell function? - Moderation in all things - Best Practice and Research in Clinical Endocrinology and Metabolism, 2012, 26, 753-758.	4.7	32
18	Unexpectedly Low Natriuretic Peptide Levels in Patients With Heart Failure. <i>JACC: Heart Failure</i> , 2021, 9, 192-200.	4.1	32

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19	$\beta$ 2-Adrenergic Receptors and Adipose Tissue Metabolism: Evolution of an Old Story. Annual Review of Physiology, 2022, 84, 1-16.	13.1	32
20	Measuring Respiratory Activity of Adipocytes and Adipose Tissues in Real Time. Methods in Enzymology, 2014, 538, 233-247.	1.0	30
21	Second messenger signaling mechanisms of the brown adipocyte thermogenic program: an integrative perspective. Hormone Molecular Biology and Clinical Investigation, 2017, 31, .	0.7	30
22	Manipulation of Dietary Amino Acids Prevents and Reverses Obesity in Mice Through Multiple Mechanisms That Modulate Energy Homeostasis. Diabetes, 2020, 69, 2324-2339.	0.6	25
23	The scaffold protein p62 regulates adaptive thermogenesis through ATF2 nuclear target activation. Nature Communications, 2020, 11, 2306.	12.8	21
24	Natriuretic peptide receptor C contributes to disproportionate right ventricular hypertrophy in a rodent model of obesity-induced heart failure with preserved ejection fraction with pulmonary hypertension. Pulmonary Circulation, 2019, 9, 204589401987859.	1.7	20
25	Heart hormones fueling a fire in fat. Adipocyte, 2013, 2, 104-108.	2.8	17
26	Inhibition of phosphodiesterase type 9 reduces obesity and cardiometabolic syndrome in mice. Journal of Clinical Investigation, 2021, 131, .	8.2	16
27	Diet-dependent natriuretic peptide receptor C expression in adipose tissue is mediated by PPAR $\beta$ 3 via long-range distal enhancers. Journal of Biological Chemistry, 2021, 297, 100941.	3.4	10
28	Increased Energy Expenditure and Protection From Diet-Induced Obesity in Mice Lacking the cGMP-Specific Phosphodiesterase PDE9. Diabetes, 2021, 70, 2823-2836.	0.6	8
29	Brown Adipose Tissue and Body Weight Regulation. Contemporary Endocrinology, 2018, , 117-132.	0.1	2
30	Unknown actor in adipose tissue metabolism hiding in plain sight. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17145-17146.	7.1	0
31	The Glucagon-Like Peptide 1 Receptor Agonist Liraglutide Stimulates Mechanistic Target of Rapamycin (mTOR) Signaling via PKA And Akt. Journal of the Endocrine Society, 2021, 5, A510-A511.	0.2	0
32	Effect of propranolol treatment on adipocyte lipases and perilipin in severely burned children. FASEB Journal, 2012, 26, lb724.	0.5	0
33	Abstract 8914: Selective Phosphodiesterase-9 Inhibition With IMR-687 Mitigates Cardiac Hypertrophy and Renal Injury in Preclinical Mouse Models of Heart Failure With Preserved Ejection Fraction. Circulation, 2021, 144, .	1.6	0