Sophie Rome

List of Publications by Citations

64 papers	7,381 citations	34 h-index	68 g-index
68 ext. papers	9,787 ext. citations	5.6 avg, IF	5.29 L-index

#	Paper	IF	Citations
64	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. *Journal of Extracellular Vesicles*, **2018**, 7, 1535750	16.4	3642
63	Weight loss regulates inflammation-related genes in white adipose tissue of obese subjects. *FASEB Journal*, **2004**, 18, 1657-69	0.9	506
62	Profiling of circulating microRNAs reveals common microRNAs linked to type 2 diabetes that change with insulin sensitization. *Diabetes Care*, **2014**, 37, 1375-83	14.6	241
61	Endometrial exosomes/microvesicles in the uterine microenvironment: a new paradigm for embryo-endometrial cross talk at implantation. *PLoS ONE*, **2013**, 8, e58502	3.7	229
60	Treatment for 2 mo with n 3 polyunsaturated fatty acids reduces adiposity and some atherogenic factors but does not improve insulin sensitivity in women with type 2 diabetes: a randomized controlled study. *American Journal of Clinical Nutrition*, **2007**, 86, 1670-9	7	229
59	Microarray profiling of human skeletal muscle reveals that insulin regulates approximately 800 genes during a hyperinsulinemic clamp. *Journal of Biological Chemistry*, **2003**, 278, 18063-8	5.4	145
58	Treatment for 2 mo with n□ polyunsaturated fatty acids reduces adiposity and some atherogenic factors but does not improve insulin sensitivity in women with type 2 diabetes: a randomized controlled study. *American Journal of Clinical Nutrition*, **2007**, 86, 1670-1679	7	131
57	Metabolic evidence for adaptation to a high protein diet in rats. *Journal of Nutrition*, **2001**, 131, 91-8	4.1	129
56	MicroRNAs contribute to compensatory □cell expansion during pregnancy and obesity. *Journal of Clinical Investigation*, **2012**, 122, 3541-51	15.9	122
55	Lymphocyte-Derived Exosomal MicroRNAs Promote Pancreatic □Cell Death and May Contribute to Type 1 Diabetes Development. *Cell Metabolism*, **2019**, 29, 348-361.e6	24.6	119
54	Myotube-derived exosomal miRNAs downregulate Sirtuin1 in myoblasts during muscle cell differentiation. *Cell Cycle*, **2014**, 13, 78-89	4.7	116
53	The microRNA signature in response to insulin reveals its implication in the transcriptional action of insulin in human skeletal muscle and the role of a sterol regulatory element-binding protein-1c/myocyte enhancer factor 2C pathway. *Diabetes*, **2009**, 58, 2555-64	0.9	116
52	Exosome-like vesicles released from lipid-induced insulin-resistant muscles modulate gene expression and proliferation of beta recipient cells in mice. *Diabetologia*, **2016**, 59, 1049-58	10.3	98
51	Exosomes participate in the alteration of muscle homeostasis during lipid-induced insulin resistance in mice. *Diabetologia*, **2014**, 57, 2155-64	10.3	95
50	Proteomic analysis of C2C12 myoblast and myotube exosome-like vesicles: a new paradigm for myoblast-myotube cross talk?. *PLoS ONE*, **2014**, 9, e84153	3.7	95
49	Horizontal transfer of exosomal microRNAs transduce apoptotic signals between pancreatic beta-cells. *Cell Communication and Signaling*, **2015**, 13, 17	7.5	89
48	Diagnostic Value of Cell-free Circulating MicroRNAs for Obesity and Type 2 Diabetes: A Meta-analysis. *Journal of Molecular Biomarkers & Diagnosis*, **2015**, 6,	2	74

47	Constraint-based concept mining and its application to microarray data analysis. *Intelligent Data Analysis*, **2005**, 9, 59-82	1.1	64
46	A new role for sterol regulatory element binding protein 1 transcription factors in the regulation of muscle mass and muscle cell differentiation. *Molecular and Cellular Biology*, **2010**, 30, 1182-98	4.8	63
45	Acute hyperglycemia induces a global downregulation of gene expression in adipose tissue and skeletal muscle of healthy subjects. *Diabetes*, **2007**, 56, 992-9	0.9	59
44	Nitrogen-fixing sinorhizobia with Medicago laciniata constitute a novel biovar (bv. medicaginis) of S. meliloti. *Systematic and Applied Microbiology*, **2006**, 29, 526-38	4.2	58
43	Biological properties of plant-derived extracellular vesicles. *Food and Function*, **2019**, 10, 529-538	6.1	55
42	Microarray analyses of SREBP-1a and SREBP-1c target genes identify new regulatory pathways in muscle. *Physiological Genomics*, **2008**, 34, 327-37	3.6	55
41	miRNA-375 a Sensor of Glucotoxicity Is Altered in the Serum of Children with Newly Diagnosed Type 1 Diabetes. *Journal of Diabetes Research*, **2016**, 2016, 1869082	3.9	51
40	Depleting extracellular vesicles from fetal bovine serum alters proliferation and differentiation of skeletal muscle cells in vitro. *BMC Biotechnology*, **2016**, 16, 32	3.5	48
39	Distribution of phenolic compounds within seed and seedlings of two Vicia faba cvs differing in their seed tannin content, and study of their seed and root phenolic exudations. *Plant and Soil*, **1998**, 203, 27-36	4.2	48
38	An APOA5 3VUTR variant associated with plasma triglycerides triggers APOA5 downregulation by creating a functional miR-485-5p binding site. *American Journal of Human Genetics*, **2014**, 94, 129-34	11	46
37	Skeletal Muscle-Released Extracellular Vesicles: State of the Art. *Frontiers in Physiology*, **2019**, 10, 929	4.6	44
36	Circulating MiRNAs of VAsian Indian PhenotypeVdentified in Subjects with Impaired Glucose Tolerance and Patients with Type 2 Diabetes. *PLoS ONE*, **2015**, 10, e0128372	3.7	40
35	The regionalization of PepT1, NBAT and EAAC1 transporters in the small intestine of rats are unchanged from birth to adulthood. *Journal of Nutrition*, **2002**, 132, 1009-11	4.1	38
34	Are extracellular microRNAs involved in type 2 diabetes and related pathologies?. *Clinical Biochemistry*, **2013**, 46, 937-45	3.5	37
33	The ubiquitin-proteasome pathway is a new partner for the control of insulin signaling. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2004**, 7, 249-54	3.8	36
32	Changes in gene expression in skeletal muscle in response to fat overfeeding in lean men. *Obesity*, **2007**, 15, 2583-94	8	35
31	MicroRNAs from urinary extracellular vesicles are non-invasive early biomarkers of diabetic nephropathy in type 2 diabetes patients with the VAsian Indian phenotypeV *Diabetes and Metabolism*, **2019**, 45, 276-285	5.4	35
30	Evidence that two genomic species of Rhizobium are associated with Medicago truncatula. *Archives of Microbiology*, **1996**, 165, 285-8	3	34

29	Early events in islets and pancreatic lymph nodes in autoimmune diabetes. *Journal of Autoimmunity*, **2004**, 23, 27-35	15.5	30
28	Use of miRNAs in biofluids as biomarkers in dietary and lifestyle intervention studies. *Genes and Nutrition*, **2015**, 10, 483	4.3	27
27	SREBP-1 transcription factors regulate skeletal muscle cell size by controlling protein synthesis through myogenic regulatory factors. *PLoS ONE*, **2012**, 7, e50878	3.7	27
26	Regulation of gene expression by glucose. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2007**, 10, 518-22	3.8	26
25	Multiple microRNA regulation of lipoprotein lipase gene abolished by 3′UTR polymorphisms in a triglyceride-lowering haplotype harboring p.Ser474Ter. *Atherosclerosis*, **2016**, 246, 280-6	3.1	19
24	Pathways Implicated in Tadalafil Amelioration of Duchenne Muscular Dystrophy. *Journal of Cellular Physiology*, **2016**, 231, 224-32	7	19
23	Clustering biological annotations and gene expression data to identify putatively co-regulated biological processes. *Journal of Bioinformatics and Computational Biology*, **2006**, 4, 833-52	1	18
22	Long-standing arterial hypertension is associated with Pitx2 down-regulation in a rat model of spontaneous atrial tachyarrhythmias. *Europace*, **2015**, 17, 160-5	3.9	17
21	Microarray analysis of genes with impaired insulin regulation in the skeletal muscle of type 2 diabetic patients indicates the involvement of basic helix-loop-helix domain-containing, class B, 2 protein (BHLHB2). *Diabetologia*, **2009**, 52, 1899-912	10.3	17
20	Analysis of the microRNA signature in left atrium from patients with valvular heart disease reveals their implications in atrial fibrillation. *PLoS ONE*, **2018**, 13, e0196666	3.7	14
19	Transition from physical activity to inactivity increases skeletal muscle miR-148b content and triggers insulin resistance. *Physiological Reports*, **2016**, 4, e12902	2.6	13
18	Use of Nanovesicles from Orange Juice to Reverse Diet-Induced Gut Modifications in Diet-Induced Obese Mice. *Molecular Therapy - Methods and Clinical Development*, **2020**, 18, 880-892	6.4	12
17	Rapid identification of Medicago nodulating strains by using two oligonucleotide probes complementary to 16S rDNA sequences. *Canadian Journal of Microbiology*, **1997**, 43, 854-61	3.2	10
16	□ integrin processing interferes with the cross-talk between □5/□ and □1 integrins. *Biology of the Cell*, **2011**, 103, 519-29	3.5	9
15	Analysis of lifestyle and metabolic predictors of visceral obesity with Bayesian Networks. *BMC Bioinformatics*, **2010**, 11, 487	3.6	9
14	Changes in diet associated with cancer: An evolutionary perspective. *Evolutionary Applications*, **2017**, 10, 651-657	4.8	8
13	Obesity paradox in cancer: Is bigger really better?. *Evolutionary Applications*, **2019**, 12, 1092-1095	4.8	8
12	Bis(monoacylglycero)phosphate, a new lipid signature of endosome-derived extracellular vesicles. *Biochimie*, **2020**, 178, 26-38	4.6	8

List of Publications

11	Transcriptome profiling in response to adiponectin in human cancer-derived cells. *Physiological Genomics*, **2010**, 42A, 61-70	3.6	7
10	Adipocyte-Derived Extracellular Vesicles: State of the Art. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
9	Importance des composés phénoliques dans les interactions entre plantes et microorganismes: exemple des relations Rhizobium/légumineuses. *Acta Botanica Gallica*, **1996**, 143, 521-529		3
8	Mycoplasma hyopneumoniae J elicits an antioxidant response and decreases the expression of ciliary genes in infected swine epithelial cells. *Scientific Reports*, **2020**, 10, 13707	4.9	3
7	Robust coordination of cardiac functions from gene co-expression reveals a versatile combinatorial transcriptional control. *Molecular BioSystems*, **2014**, 10, 2415-25		2
6	Adipocyte-derived extracellular vesicles in health and diseases: Nano-packages with vast biological properties. *FASEB BioAdvances*, **2021**, 3, 407-419	2.8	2
5	Genetic Exchange of Lung-Derived Exosome to Brain Causing Neuronal Changes on COVID-19 Infection. *Molecular Neurobiology*, **2021**, 58, 5356-5368	6.2	2
4	Blood-derived miRNA levels are not correlated with metabolic or anthropometric parameters in obese pre-diabetic subjects but with systemic inflammation.. *PLoS ONE*, **2022**, 17, e0263479	3.7	1
3	Profiling of ob/ob mice skeletal muscle exosome-like vesicles demonstrates combined action of miRNAs, proteins and lipids to modulate lipid homeostasis in recipient cells. *Scientific Reports*, **2021**, 11, 21626	4.9	1
2	Epigenetics in atrial fibrillation: A reappraisal. *Heart Rhythm*, **2021**, 18, 824-832	6.7	1
1	Genomic of Skeletal Muscle and its Implications in the Metabolic Syndrome **2005**, 153-161		