Sophie Rome

List of Publications by Year
in descending order

66 papers	11,973 citations	101384 36 h-index	102304 66 g-index
68 all docs	68 docs citations	68 times ranked	18595 citing authors

#	Article	IF	Citations
1	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.	5.5	6,961
2	Weight loss regulates inflammationâ€related genes in white adipose tissue of obese subjects. FASEB Journal, 2004, 18, 1657-1669.	0.2	569
3	Profiling of Circulating MicroRNAs Reveals Common MicroRNAs Linked to Type 2 Diabetes That Change With Insulin Sensitization. Diabetes Care, 2014, 37, 1375-1383.	4.3	312
4	Endometrial Exosomes/Microvesicles in the Uterine Microenvironment: A New Paradigm for Embryo-Endometrial Cross Talk at Implantation. PLoS ONE, 2013, 8, e58502.	1.1	289
5	Treatment for 2 mo with nâ^'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, 1670-1679.	2.2	258
6	Lymphocyte-Derived Exosomal MicroRNAs Promote Pancreatic Î² Cell Death and May Contribute to Type 1 Diabetes Development. Cell Metabolism, 2019, 29, 348-361.e6.	7.2	200
7	Microarray Profiling of Human Skeletal Muscle Reveals That Insulin Regulates â^¼800 Genes during a Hyperinsulinemic Clamp. Journal of Biological Chemistry, 2003, 278, 18063-18068.	1.6	173
8	Myotube-derived exosomal miRNAs downregulate Sirtuin1 in myoblasts during muscle cell differentiation. Cell Cycle, 2014, 13, 78-89.	1.3	164
9	Metabolic Evidence for Adaptation to a High Protein Diet in Rats. Journal of Nutrition, 2001, 131, 91-98.	1.3	153
10	MicroRNAs contribute to compensatory Î² cell expansion during pregnancy and obesity. Journal of Clinical Investigation, 2012, 122, 3541-3551.	3.9	148
11	Updating MISEV: Evolving the minimal requirements for studies of extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12182.	5.5	147
12	Exosomes participate in the alteration of muscle homeostasis during lipid-induced insulin resistance in mice. Diabetologia, 2014, 57, 2155-2164.	2.9	146
13	Treatment for 2 mo with nâ^'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, 1670-1679.	2.2	146
14	Exosome-like vesicles released from lipid-induced insulin-resistant muscles modulate gene expression and proliferation of beta recipient cells in mice. Diabetologia, 2016, 59, 1049-1058.	2.9	144
15	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 Elementâ€"Binding Protein-1c/Myocyte Enhancer Factor 2C Pathway. Diabetes, 2009, 58, 2555-2564.	0.3	133
16	Proteomic Analysis of C2C12 Myoblast and Myotube Exosome-Like Vesicles: A New Paradigm for Myoblast-Myotube Cross Talk?. PLoS ONE, 2014, 9, e84153.	1.1	133
17	Horizontal transfer of exosomal microRNAs transduce apoptotic signals between pancreatic beta-cells. Cell Communication and Signaling, 2015, 13, 17.	2.7	122
18	Biological properties of plant-derived extracellular vesicles. Food and Function, 2019, 10, 529-538.	2.1	116

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19	Diagnostic Value of Cell-free Circulating Micrornas for Obesity and Type 2 Diabetes: A Meta-analysis. Journal of Molecular Biomarkers & Diagnosis, 2015, 06, .	0.4	96
20	Skeletal Muscle-Released Extracellular Vesicles: State of the Art. Frontiers in Physiology, 2019, 10, 929.	1.3	91
21	Depleting extracellular vesicles from fetal bovine serum alters proliferation and differentiation of skeletal muscle cells in vitro. BMC Biotechnology, 2016, 16, 32.	1.7	82
22	Constraint-based concept mining and its application to microarray data analysis. Intelligent Data Analysis, 2005, 9, 59-82.	0.4	76
23	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, 1182-1198.	1.1	70
24	Acute Hyperglycemia Induces a Global Downregulation of Gene Expression in Adipose Tissue and Skeletal Muscle of Healthy Subjects. Diabetes, 2007, 56, 992-999.	0.3	69
25	Title is missing!. Plant and Soil, 1998, 203, 27-36.	1.8	68
26	Nitrogen-fixing sinorhizobia with Medicago laciniata constitute a novel biovar (bv. medicaginis) of S. meliloti. Systematic and Applied Microbiology, 2006, 29, 526-538.	1.2	65
27	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, 1-7.	1.0	65
28	Microarray analyses of SREBP-1a and SREBP-1c target genes identify new regulatory pathways in muscle. Physiological Genomics, 2008, 34, 327-337.	1.0	63
29	Circulating MiRNAs of â€˜Asian Indian Phenotypeâ€™ Identified in Subjects with Impaired Glucose Tolerance and Patients with Type 2 Diabetes. PLoS ONE, 2015, 10, e0128372.	1.1	59
30	An APOA5 3â€² UTR Variant Associated with Plasma Triglycerides Triggers APOA5 Downregulation by Creating a Functional miR-485-5p Binding Site. American Journal of Human Genetics, 2014, 94, 129-134.	2.6	58
31	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.	1.8	58
32	MicroRNAs from urinary extracellular vesicles are non-invasive early biomarkers of diabetic nephropathy in type 2 diabetes patients with the â€˜Asian Indian phenotypeâ€™. Diabetes and Metabolism, 2019, 45, 276-285.	1.4	51
33	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, 1009-1011.	1.3	42
34	Are extracellular microRNAs involved in type 2 diabetes and related pathologies?. Clinical Biochemistry, 2013, 46, 937-945.	0.8	41
35	The ubiquitin-proteasome pathway is a new partner for the control of insulin signaling. Current Opinion in Clinical Nutrition and Metabolic Care, 2004, 7, 249-254.	1.3	40
36	Changes in Gene Expression in Skeletal Muscle in Response to Fat Overfeeding in Lean Men. Obesity, 2007, 15, 2583-2594.	1.5	38

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37	Use of miRNAs in biofluids as biomarkers in dietary and lifestyle intervention studies. Genes and Nutrition, 2015, 10, 483.	1.2	37
38	Evidence that two genomic species of Rhizobium are associated with Medicago truncatula. Archives of Microbiology, 1996, 165, 285-288.	1.0	35
39	Regulation of gene expression by glucose. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 518-522.	1.3	35
40	Early events in islets and pancreatic lymph nodes in autoimmune diabetes. Journal of Autoimmunity, 2004, 23, 27-35.	3.0	33
41	SREBP-1 Transcription Factors Regulate Skeletal Muscle Cell Size by Controlling Protein Synthesis through Myogenic Regulatory Factors. PLoS ONE, 2012, 7, e50878.	1.1	31
42	Long-standing arterial hypertension is associated with Pitx2 down-regulation in a rat model of spontaneous atrial tachyarrhythmias. Europace, 2015, 17, 160-165.	0.7	25
43	Bis(monoacylglycero)phosphate, a new lipid signature of endosome-derived extracellular vesicles. Biochimie, 2020, 178, 26-38.	1.3	24
44	Adipocyte-Derived Extracellular Vesicles: State of the Art. International Journal of Molecular Sciences, 2021, 22, 1788.	1.8	24
45	Multiple microRNA regulation of lipoprotein lipase gene abolished by 3â€²UTR polymorphisms in a triglyceride-lowering haplotype harboring p.Ser474Ter. Atherosclerosis, 2016, 246, 280-286.	0.4	23
46	Pathways Implicated in Tadalafil Amelioration of Duchenne Muscular Dystrophy. Journal of Cellular Physiology, 2016, 231, 224-232.	2.0	22
47	CLUSTERING BIOLOGICAL ANNOTATIONS AND GENE EXPRESSION DATA TO IDENTIFY PUTATIVELY CO-REGULATED BIOLOGICAL PROCESSES. Journal of Bioinformatics and Computational Biology, 2006, 04, 833-852.	0.3	21
48	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, 1899-1912.	2.9	21
49	Transition from physical activity to inactivity increases skeletal muscle miR-148b content and triggers insulin resistance. Physiological Reports, 2016, 4, e12902.	0.7	18
50	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.	1.1	17
51	Genetic Exchange of Lung-Derived Exosome to Brain Causing Neuronal Changes on COVID-19 Infection. Molecular Neurobiology, 2021, 58, 5356-5368.	1.9	17
52	Analysis of lifestyle and metabolic predictors of visceral obesity with Bayesian Networks. BMC Bioinformatics, 2010, 11, 487.	1.2	11
53	Changes in diet associated with cancer: An evolutionary perspective. Evolutionary Applications, 2017, 10, 651-657.	1.5	11
54	Rapid identification of Medicago nodulating strains by using two oligonucleotide probes complementary to 16S rDNA sequences. Canadian Journal of Microbiology, 1997, 43, 854-861.	0.8	10

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55	Obesity paradox in cancer: Is bigger really better?. Evolutionary Applications, 2019, 12, 1092-1095.	1.5	10
56	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.	1.6	10
57	Muscle and Adipose Tissue Communicate with Extracellular Vesicles. International Journal of Molecular Sciences, 2022, 23, 7052.	1.8	10
58	Transcriptome profiling in response to adiponectin in human cancer-derived cells. Physiological Genomics, 2010, 42A, 61-70.	1.0	9
59	Î±v integrin processing interferes with the cross-talk between Î±vÎ²5/Î²6 and Î±2Î²1 integrins. Biology of the Cell, 2011, 103, 519-529.	0.7	9
60	Adipocyteâ€derived extracellular vesicles in health and diseases: Nanoâ€packages with vast biological properties. FASEB BioAdvances, 2021, 3, 407-419.	1.3	9
61	Mycoplasma hyopneumoniae J elicits an antioxidant response and decreases the expression of ciliary genes in infected swine epithelial cells. Scientific Reports, 2020, 10, 13707.	1.6	6
62	Epigenetics in atrial fibrillation: A reappraisal. Heart Rhythm, 2021, 18, 824-832.	0.3	4
63	Importance des composÃ©s phÃ©noliques dans les interactions entre plantes et microorganismes: exemple des relationsRhizobium/lÃ©gumineuses. Acta Botanica Gallica, 1996, 143, 521-529.	0.9	3
64	Robust coordination of cardiac functions from gene co-expression reveals a versatile combinatorial transcriptional control. Molecular BioSystems, 2014, 10, 2415-2425.	2.9	3
65	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.	1.1	3
66	Genomic of Skeletal Muscle and its Implications in the Metabolic Syndrome. , 2005, , 153-161.		0