

# Aurora Daniele

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

120  
papers

2,559  
citations

27  
h-index

44  
g-index

127  
ext. papers

3,266  
ext. citations

4.5  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
120	New insight into adiponectin role in obesity and obesity-related diseases. <i>BioMed Research International</i> , <b>2014</b> , 2014, 658913	3	299
119	Biological and Nutritional Properties of Palm Oil and Palmitic Acid: Effects on Health. <i>Molecules</i> , <b>2015</b> , 20, 17339-61	4.8	188
118	ACE2: The Major Cell Entry Receptor for SARS-CoV-2. <i>Lung</i> , <b>2020</b> , 198, 867-877	2.9	88
117	Adiponectin affects lung epithelial A549 cell viability counteracting TNF $\alpha$ and IL-1 $\beta$ toxicity through AdipoR1. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2013</b> , 45, 1145-53	5.6	76
116	Cloning of cDNA for a novel mouse membrane glycoprotein (gp42): shared identity to histocompatibility antigens, immunoglobulins and neural-cell adhesion molecules. <i>Gene</i> , <b>1989</b> , 85, 445-51 <sup>8</sup>	3.8	69
115	Adiponectin oligomers as potential indicators of adipose tissue improvement in obese subjects. <i>European Journal of Endocrinology</i> , <b>2013</b> , 169, 37-43	6.5	63
114	Adiponectin oligomerization state and adiponectin receptors airway expression in chronic obstructive pulmonary disease. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2012</b> , 44, 563-9	5.6	58
113	Adiponectin as Link Factor between Adipose Tissue and Cancer. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	55
112	Cyclic Peptides as Novel Therapeutic Microbicides: Engineering of Human Defensin Mimetics. <i>Molecules</i> , <b>2017</b> , 22,	4.8	50
111	Adiponectin: an attractive marker for metabolic disorders in Chronic Obstructive Pulmonary Disease (COPD). <i>Nutrients</i> , <b>2013</b> , 5, 4115-25	6.7	48
110	Potential mechanisms linking atherosclerosis and increased cardiovascular risk in COPD: focus on Sirtuins. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 12696-713	6.3	44
109	Dysregulation of lipid metabolism and pathological inflammation in patients with COVID-19. <i>Scientific Reports</i> , <b>2021</b> , 11, 2941	4.9	43
108	The burden of obesity in asthma and COPD: Role of adiponectin. <i>Pulmonary Pharmacology and Therapeutics</i> , <b>2017</b> , 43, 20-25	3.5	41
107	Biochemical characterization of arylsulfatase E and functional analysis of mutations found in patients with X-linked chondrodysplasia punctata. <i>American Journal of Human Genetics</i> , <b>1998</b> , 62, 562-72 <sup>11</sup>		38
106	The absence of polymorphisms in ADRB3, UCP1, PPAR $\alpha$ and ADIPOQ genes protects morbid obese patients toward insulin resistance. <i>Journal of Endocrinological Investigation</i> , <b>2012</b> , 35, 2-4	5.2	33
105	Molecular epidemiology of phenylalanine hydroxylase deficiency in Southern Italy: a 96% detection rate with ten novel mutations. <i>Annals of Human Genetics</i> , <b>2007</b> , 71, 185-93	2.2	31
104	Heparan N-sulfatase gene: two novel mutations and transient expression of 15 defects. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2000</b> , 1501, 1-11	6.9	31

103	Defensins in the Fight against Helicobacter pylori. <i>Molecules</i> , <b>2017</b> , 22,	4.8	30
102	l-Lactate metabolism in HEP G2 cell mitochondria due to the l-lactate dehydrogenase determines the occurrence of the lactate/pyruvate shuttle and the appearance of oxaloacetate, malate and citrate outside mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2012</b> , 1817, 1679-90	4.6	30
101	Chimeric beta-defensin analogs, including the novel 3NI analog, display salt-resistant antimicrobial activity and lack toxicity in human epithelial cell lines. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 1701-8	5.9	30
100	Analysis of adiponectin gene and comparison of its expression in two different pig breeds. <i>Obesity</i> , <b>2008</b> , 16, 1869-74	8	30
99	Adiponectin in asthma: implications for phenotyping. <i>Current Protein and Peptide Science</i> , <b>2015</b> , 16, 182-8	7.8	30
98	An ancestral host defence peptide within human Defensin 3 recapitulates the antibacterial and antiviral activity of the full-length molecule. <i>Scientific Reports</i> , <b>2015</b> , 5, 18450	4.9	30
97	Adiponectin down-regulates CREB and inhibits proliferation of A549 lung cancer cells. <i>Pulmonary Pharmacology and Therapeutics</i> , <b>2017</b> , 45, 114-120	3.5	29
96	Pulmonary Hypertension and Obesity: Focus on Adiponectin. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	28
95	Differentially expressed and activated proteins associated with non small cell lung cancer tissues. <i>Respiratory Research</i> , <b>2015</b> , 16, 74	7.3	28
94	Anabolic androgenic steroids and carcinogenicity focusing on Leydig cell: a literature review. <i>Oncotarget</i> , <b>2018</b> , 9, 19415-19426	3.3	28
93	Aqueous humor levels of vascular endothelial growth factor and adiponectin in patients with type 2 diabetes before and after intravitreal bevacizumab injection. <i>Experimental Eye Research</i> , <b>2013</b> , 110, 50-4	3.7	27
92	Functional and structural characterization of novel mutations and genotype-phenotype correlation in 51 phenylalanine hydroxylase deficient families from Southern Italy. <i>FEBS Journal</i> , <b>2009</b> , 276, 2048-59	5.7	27
91	Adiponectin profile and Irisin expression in Italian obese children: Association with insulin-resistance. <i>Cytokine</i> , <b>2017</b> , 94, 8-13	4	26
90	Adiponectin and colon cancer: evidence for inhibitory effects on viability and migration of human colorectal cell lines. <i>Molecular and Cellular Biochemistry</i> , <b>2018</b> , 448, 125-135	4.2	25
89	A Functional Interplay between IGF-1 and Adiponectin. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	25
88	Quality of Life (QoL) assessment in a cohort of patients with phenylketonuria. <i>BMC Public Health</i> , <b>2014</b> , 14, 1243	4.1	25
87	Functional foods and cardiometabolic diseases* International Task Force for Prevention of Cardiometabolic Diseases. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2014</b> , 24, 1272-300	4.5	25
86	Design and activity of a cyclic mini-Defensin analog: a novel antimicrobial tool. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 6523-39	7.3	24

85	Altered brain protein expression profiles are associated with molecular neurological dysfunction in the PKU mouse model. <i>Journal of Neurochemistry</i> , <b>2014</b> , 129, 1002-12	6	24
84	Decreased concentration of adiponectin together with a selective reduction of its high molecular weight oligomers is involved in metabolic complications of myotonic dystrophy type 1. <i>European Journal of Endocrinology</i> , <b>2011</b> , 165, 969-75	6.5	24
83	COVID-19: Role of Nutrition and Supplementation. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	24
82	Effects of Very Low Calorie Ketogenic Diet on the Orexinergic System, Visceral Adipose Tissue, and ROS Production. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	24
81	Adiponectin and Orexin-A as a Potential Immunity Link Between Adipose Tissue and Central Nervous System. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 982	4.6	23
80	Role of Functional Beverages on Sport Performance and Recovery. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	23
79	Long-term follow-up of patients with phenylketonuria treated with tetrahydrobiopterin: a seven years experience. <i>Orphanet Journal of Rare Diseases</i> , <b>2015</b> , 10, 14	4.2	22
78	Total and High Molecular Weight Adiponectin Expression Is Decreased in Patients with Common Variable Immunodeficiency: Correlation with Ig Replacement Therapy. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 895	8.4	22
77	Cloning and characterization of the cDNA for the murine iduronate sulfatase gene. <i>Genomics</i> , <b>1993</b> , 16, 755-7	4.3	22
76	Molecular mechanisms involved in the positive effects of physical activity on coping with COVID-19. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 2569-2582	3.4	22
75	Membrane protein 4F2/CD98 is a cell surface receptor involved in the internalization and trafficking of human $\beta$ -Defensin 3 in epithelial cells. <i>Chemistry and Biology</i> , <b>2015</b> , 22, 217-28		20
74	Evaluation of salivary adiponectin profile in obese patients. <i>Peptides</i> , <b>2015</b> , 63, 150-5	3.8	20
73	Molecular analysis of the adiponectin gene in severely obese patients from southern Italy. <i>Annals of Nutrition and Metabolism</i> , <b>2008</b> , 53, 155-61	4.5	20
72	Evaluation of adiponectin profile in Italian patients affected by obstructive sleep apnea syndrome. <i>Pulmonary Pharmacology and Therapeutics</i> , <b>2016</b> , 40, 104-8	3.5	20
71	Adiponectin as novel regulator of cell proliferation in human glioblastoma. <i>Journal of Cellular Physiology</i> , <b>2014</b> , 229, 1444-54	7	19
70	The anti-proliferative effects of adiponectin on human lung adenocarcinoma A549 cells and oxidative stress involvement. <i>Pulmonary Pharmacology and Therapeutics</i> , <b>2019</b> , 55, 25-30	3.5	19
69	Expression of five iduronate-2-sulfatase site-directed mutations. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2000</b> , 1501, 71-80	6.9	18
68	Hempseed Lignanamides Rich-Fraction: Chemical Investigation and Cytotoxicity towards U-87 Glioblastoma Cells. <i>Molecules</i> , <b>2020</b> , 25,	4.8	17

67	Natural phenylalanine hydroxylase variants that confer a mild phenotype affect the enzyme's conformational stability and oligomerization equilibrium. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2011</b> , 1812, 1435-45	6.9	17
66	Heparan N-sulfatase: in vitro mutagenesis of potential N-glycosylation sites. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 280, 1251-7	3.4	17
65	Adiponectin Expression and Genotypes in Italian People with Severe Obesity Undergone a Hypocaloric Diet and Physical Exercise Program. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	16
64	Effects of Plant Oil Interesterified Triacylglycerols on Lipemia and Human Health. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 19,	6.3	16
63	Uptake of recombinant iduronate-2-sulfatase into neuronal and glial cells in vitro. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2002</b> , 1588, 203-9	6.9	16
62	Analysis of Sanfilippo A gene mutations in a large pedigree. <i>Clinical Genetics</i> , <b>2003</b> , 63, 314-8	4	14
61	Sports training and adaptive changes. <i>Sport Sciences for Health</i> , <b>2018</b> , 14, 705-708	1.3	13
60	Functional analysis of melanocortin-4-receptor mutants identified in severely obese subjects living in Southern Italy. <i>Gene</i> , <b>2010</b> , 457, 35-41	3.8	12
59	Reversal of metabolic and neurological symptoms of phenylketonuric mice treated with a PAH containing helper-dependent adenoviral vector. <i>Current Gene Therapy</i> , <b>2012</b> , 12, 48-56	4.3	12
58	Hunter syndrome: presence of material cross-reacting with antibodies against iduronate sulfatase. <i>Human Genetics</i> , <b>1987</b> , 75, 234-8	6.3	12
57	Adiponectin profile at baseline is correlated to progression and severity of multiple sclerosis. <i>European Journal of Neurology</i> , <b>2019</b> , 26, 348-355	6	12
56	Supervised physical exercise improves clinical, anthropometric and biochemical parameters in adult cystic fibrosis patients: A 2-year evaluation. <i>Clinical Respiratory Journal</i> , <b>2018</b> , 12, 2228-2234	1.7	11
55	New synthetic AICAR derivatives with enhanced AMPK and ACC activation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 748-53	5.6	10
54	Five human phenylalanine hydroxylase proteins identified in mild hyperphenylalaninemia patients are disease-causing variants. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2008</b> , 1782, 378-84	6.9	10
53	Animal models for lysosomal storage diseases: a new case of feline mucopolysaccharidosis VI. <i>Journal of Inherited Metabolic Disease</i> , <b>1992</b> , 15, 17-24	5.4	10
52	Biochemical diagnosis of mucopolysaccharidoses: experience of 297 diagnoses in a 15-year period (1977-1991). <i>Journal of Inherited Metabolic Disease</i> , <b>1993</b> , 16, 473-83	5.4	10
51	Heterogeneity of DNA and RNA in Hunter patients. <i>Human Genetics</i> , <b>1993</b> , 92, 350-2	6.3	10
50	Biosynthesis of alpha-N-acetylglucosaminidase in cultured human kidney carcinoma cells. <i>Enzyme</i> , <b>1985</b> , 33, 75-83		10

49	The Important Role of Adiponectin and Orexin-A, Two Key Proteins Improving Healthy Status: Focus on Physical Activity. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 356	4.6	9
48	Gene molecular analysis and Adiponectin expression in professional Water Polo players. <i>Cytokine</i> , <b>2016</b> , 81, 88-93	4	9
47	Tissue-specific downregulation of the adiponectin "system": possible implications for fat accumulation tendency in the pig. <i>Domestic Animal Endocrinology</i> , <b>2013</b> , 44, 131-8	2.3	9
46	Heparan N-sulfatase: cysteine 70 plays a role in the enzyme catalysis and processing. <i>FEBS Letters</i> , <b>2001</b> , 505, 445-8	3.8	9
45	Adiponectin Is Inversely Associated With Tumour Grade in Colorectal Cancer Patients. <i>Anticancer Research</i> , <b>2020</b> , 40, 3751-3757	2.3	9
44	AdipoRon Affects Cell Cycle Progression and Inhibits Proliferation in Human Osteosarcoma Cells. <i>Journal of Oncology</i> , <b>2020</b> , 2020, 7262479	4.5	8
43	Role of adiponectin in sphingosine-1-phosphate induced airway hyperresponsiveness and inflammation. <i>Pharmacological Research</i> , <b>2016</b> , 103, 114-22	10.2	8
42	Adiponectin Expression Is Modulated by Long-Term Physical Activity in Adult Patients Affected by Cystic Fibrosis. <i>Mediators of Inflammation</i> , <b>2019</b> , 2019, 2153934	4.3	8
41	Paternally inherited case of congenital DM1: brain MRI and review of literature. <i>Brain and Development</i> , <b>2009</b> , 31, 79-82	2.2	8
40	Host defense peptide-derived privileged scaffolds for anti-infective drug discovery. <i>Journal of Peptide Science</i> , <b>2017</b> , 23, 303-310	2.1	7
39	Implications of the Adiponectin System in Non-Small Cell Lung Cancer Patients: A Case-Control Study. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	7
38	Functional Changes Induced by Orexin A and Adiponectin on the Sympathetic/Parasympathetic Balance. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 259	4.6	7
37	Iduronate sulfatase from human placenta. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>1985</b> , 839, 258-61	4	7
36	Adiponectin Receptors and Pro-inflammatory Cytokines Are Modulated in Common Variable Immunodeficiency Patients: Correlation With Ig Replacement Therapy. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2812	8.4	6
35	Nutritional factors influencing plasma adiponectin levels: results from a randomised controlled study with whole-grain cereals. <i>International Journal of Food Sciences and Nutrition</i> , <b>2020</b> , 71, 509-515	3.7	6
34	Metabolic Perturbations and Severe COVID-19 Disease: Implication of Molecular Pathways. <i>International Journal of Endocrinology</i> , <b>2020</b> , 2020, 8896536	2.7	5
33	Cationic nucleopeptides as novel non-covalent carriers for the delivery of peptide nucleic acid (PNA) and RNA oligomers. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 2539-2550	3.4	5
32	Late diagnosis of Fabry disease caused by a de novo mutation in a patient with end stage renal disease. <i>BMC Research Notes</i> , <b>2015</b> , 8, 711	2.3	5

31	Cell-to-cell contact between normal fibroblasts and lymphoblasts deficient in lysosomal enzymes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>1992</b> , 1138, 143-8	6.9	5
30	GDM-complicated pregnancies: focus on adipokines. <i>Molecular Biology Reports</i> , <b>2021</b> , 48, 8171-8180	2.8	5
29	Cancer Initiation, Progression and Resistance: Are Phytocannabinoids from L. Promising Compounds?. <i>Molecules</i> , <b>2021</b> , 26,	4.8	5
28	Pituitary function and morphology in Fabry disease. <i>Endocrine</i> , <b>2015</b> , 50, 483-8	4	4
27	AdipoRon and Other Adiponectin Receptor Agonists as Potential Candidates in Cancer Treatments. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
26	SARS-CoV-2: One Year in the Pandemic. What Have We Learned, the New Vaccine Era and the Threat of SARS-CoV-2 Variants. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	4
25	Adiponectin and leptin exert antagonizing effects on proliferation and motility of papillary thyroid cancer cell lines. <i>Journal of Physiology and Biochemistry</i> , <b>2021</b> , 77, 237-248	5	4
24	Adiponectin Role in Neurodegenerative Diseases: Focus on Nutrition Review. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
23	The calf superoxide dismutase receptor of rat hepatocytes. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1994</b> , 108, 309-13		3
22	Mapping of human hexokinase 1 gene to 10q11----qter. <i>Human Heredity</i> , <b>1992</b> , 42, 107-10	1.1	3
21	Impact of Physical Activity on Cognitive Functions: A New Field for Research and Management of Cystic Fibrosis. <i>Diagnostics</i> , <b>2020</b> , 10,	3.8	3
20	Case Report: Concurrent Resistance and Aerobic Training Regulate Adiponectin Expression and Disease Severity in Multiple Sclerosis: A Case Study. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 567302	5.1	2
19	Mannose-binding lectin genetic analysis: possible protective role of the HYP A haplotype in the development of recurrent urinary tract infections in men. <i>International Journal of Infectious Diseases</i> , <b>2014</b> , 19, 100-2	10.5	2
18	Food, Nutrition, Physical Activity and Microbiota: Which Impact on Lung Cancer?. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
17	Adiponectin is Associated with Neutrophils to Lymphocyte Ratio in Patients with Chronic Obstructive Pulmonary Disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2021</b> , 18, 70-75 <sup>2</sup>		2
16	Adiponectin in Cerebrospinal Fluid from Patients Affected by Multiple Sclerosis Is Correlated with the Progression and Severity of Disease. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 2663-2670	6.2	2
15	Evaluation of Allergic Diseases, Symptom Control, and Relation to Infections in a Group of Italian Elite Mountain Bikers. <i>Clinical Journal of Sport Medicine</i> , <b>2020</b> , 30, 465-469	3.2	2
14	The mouse iduronate sulfatase gene: identification of a novel transcript. <i>Biochemical and Biophysical Research Communications</i> , <b>1993</b> , 194, 1030-7	3.4	1

13	An attempt towards a new approach to localized ERG. <i>Documenta Ophthalmologica</i> , <b>1973</b> , 34, 57-65	2.2	1
12	A novel smaller defensin-derived peptide is active against multidrug-resistant bacterial strains. <i>FASEB Journal</i> , <b>2021</b> , 35, e22026	0.9	1
11	PPAR $\alpha$ and ADRB3 polymorphisms analysis and Irisin expression in professional water polo players. <i>Sport Sciences for Health</i> , <b>2017</b> , 13, 395-401	1.3	1
10	microRNA-377-3p downregulates the oncosuppressor T-cadherin in colorectal adenocarcinoma cells. <i>Cell Biology International</i> , <b>2021</b> , 45, 1797-1803	4.5	1
9	Urtica dioica L. leaf chemical composition: A never-ending disclosure by means of HR-MS/MS techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 195, 113892	3.5	1
8	Evaluation of two different 1-year training programs among prepuberal female children. <i>German Journal of Exercise and Sport Research</i> , 1	1.2	1
7	Adapted recreational football small-sided games improve cardiac capacity, body composition and muscular fitness in patients with type 2 diabetes. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2020</b> , 60, 1261-1268	1.4	0
6	Dietary influence on adiponectin in patients with type 2 diabetes. <i>European Journal of Clinical Investigation</i> , <b>2021</b> , 51, e13548	4.6	0
5	Treatment with sera from Water Polo athletes activates AMPK $\alpha$ and ACC proteins in HepG2 hepatoma cell line. <i>Sport Sciences for Health</i> , <b>2021</b> , 17, 745-752	1.3	0
4	Congenital mono-ophthalmia syndrome. <i>Strabismus</i> , <b>1995</b> , 3, 157-62	1.3	
3	Cloning and expression of a new human polypeptide which regulates protein phosphorylation in Escherichia coli. <i>Molecular and Cellular Biochemistry</i> , <b>1991</b> , 107, 87-94	4.2	
2	Expression of the two iduronate-2-sulfatase cDNAs. <i>IUBMB Life</i> , <b>1995</b> , 36, 311-7		
1	AdipoRon negatively regulates proliferation and migration of ARPE-19 human retinal pigment epithelial cells. <i>Peptides</i> , <b>2021</b> , 146, 170676	3.8	