

# Michele Guescini

## 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.

80  
papers

2,908  
citations

25  
h-index

52  
g-index

84  
ext. papers

3,445  
ext. citations

4.5  
avg, IF

4.68  
L-index

#	Paper	IF	Citations
80	Astrocytes and Glioblastoma cells release exosomes carrying mtDNA. <i>Journal of Neural Transmission</i> , <b>2010</b> , 117, 1-4	4.3	447
79	The discovery of central monoamine neurons gave volume transmission to the wired brain. <i>Progress in Neurobiology</i> , <b>2010</b> , 90, 82-100	10.9	204
78	Understanding wiring and volume transmission. <i>Brain Research Reviews</i> , <b>2010</b> , 64, 137-59		196
77	C2C12 myoblasts release micro-vesicles containing mtDNA and proteins involved in signal transduction. <i>Experimental Cell Research</i> , <b>2010</b> , 316, 1977-84	4.2	186
76	Exercise as a new physiological stimulus for brown adipose tissue activity. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2013</b> , 23, 582-90	4.5	123
75	A new real-time PCR method to overcome significant quantitative inaccuracy due to slight amplification inhibition. <i>BMC Bioinformatics</i> , <b>2008</b> , 9, 326	3.6	114
74	Adenosine-dopamine interactions in the pathophysiology and treatment of CNS disorders. <i>CNS Neuroscience and Therapeutics</i> , <b>2010</b> , 16, e18-42	6.8	113
73	Exosome-Derived miR-25-3p and miR-92a-3p Stimulate Liposarcoma Progression. <i>Cancer Research</i> , <b>2017</b> , 77, 3846-3856	10.1	107
72	Muscle Releases Alpha-Sarcoglycan Positive Extracellular Vesicles Carrying miRNAs in the Bloodstream. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125094	3.7	93
71	Expression and subcellular localization of myogenic regulatory factors during the differentiation of skeletal muscle C2C12 myoblasts. <i>Journal of Cellular Biochemistry</i> , <b>2009</b> , 108, 1302-17	4.7	68
70	Determination of specific volatile organic compounds synthesised during <i>Tuber borchii</i> fruit body development by solid-phase microextraction and gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2004</b> , 18, 199-205	2.2	64
69	Small extracellular vesicles deliver miR-21 and miR-217 as pro-senescence effectors to endothelial cells. <i>Journal of Extracellular Vesicles</i> , <b>2020</b> , 9, 1725285	16.4	63
68	Extrasynaptic neurotransmission in the modulation of brain function. Focus on the striatal neuronal-glia networks. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 136	4.6	61
67	Creatine supplementation prevents the inhibition of myogenic differentiation in oxidatively injured C2C12 murine myoblasts. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53, 1187-204	5.9	55
66	Geographical traceability of Italian white truffle ( <i>Tuber magnatum</i> Pico) by the analysis of volatile organic compounds. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 3147-53	2.2	55
65	Microvesicle and tunneling nanotube mediated intercellular transfer of g-protein coupled receptors in cell cultures. <i>Experimental Cell Research</i> , <b>2012</b> , 318, 603-13	4.2	54
64	Differential effect of creatine on oxidatively-injured mitochondrial and nuclear DNA. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2008</b> , 1780, 16-26	4	52

63	The pleiotropic effect of physical exercise on mitochondrial dynamics in aging skeletal muscle. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2015</b> , 2015, 917085	6.7	51
62	Hexose uptake in the plant symbiotic ascomycete <i>Tuber borchii</i> Vittadini: biochemical features and expression pattern of the transporter TBHXT1. <i>Fungal Genetics and Biology</i> , <b>2007</b> , 44, 187-98	3.9	48
61	Morphofunctional and Biochemical Approaches for Studying Mitochondrial Changes during Myoblasts Differentiation. <i>Journal of Aging Research</i> , <b>2011</b> , 2011, 845379	2.3	43
60	Characterization of the <i>Tuber borchii</i> nitrate reductase gene and its role in ectomycorrhizae. <i>Molecular Genetics and Genomics</i> , <b>2003</b> , 269, 807-16	3.1	33
59	Two weekly sessions of combined aerobic and resistance exercise are sufficient to provide beneficial effects in subjects with Type 2 diabetes mellitus and metabolic syndrome. <i>Journal of Endocrinological Investigation</i> , <b>2010</b> , 33, 489-95	5.2	30
58	The potential effects of <i>Ocimum basilicum</i> on health: a review of pharmacological and toxicological studies. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2018</b> , 14, 679-692	5.5	29
57	Effects of sex hormones on inflammatory response in male and female vascular endothelial cells. <i>Journal of Endocrinological Investigation</i> , <b>2014</b> , 37, 861-9	5.2	28
56	Fas signalling promotes intercellular communication in T cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e35766	3.7	28
55	Concurrent Aerobic and Resistance Training Has Anti-Inflammatory Effects and Increases Both Plasma and Leukocyte Levels of IGF-1 in Late Middle-Aged Type 2 Diabetic Patients. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 3937842	6.7	25
54	Extracellular Vesicles Released by Oxidatively Injured or Intact C2C12 Myotubes Promote Distinct Responses Converging toward Myogenesis. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	24
53	Characterization of the volatile organic compounds of Italian FossaTcheese by solid-phase microextraction gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 3405-12	2.2	23
52	Central nervous system and computation. <i>Quarterly Review of Biology</i> , <b>2011</b> , 86, 265-85	5.4	22
51	The expression profile of the <i>Tuber borchii</i> nitrite reductase suggests its positive contribution to host plant nitrogen nutrition. <i>Current Genetics</i> , <b>2007</b> , 51, 31-41	2.9	20
50	New insights into the trophic and cytoprotective effects of creatine in in vitro and in vivo models of cell maturation. <i>Amino Acids</i> , <b>2016</b> , 48, 1897-911	3.5	19
49	Shape based kinetic outlier detection in real-time PCR. <i>BMC Bioinformatics</i> , <b>2010</b> , 11, 186	3.6	19
48	Possible new targets for GPCR modulation: allosteric interactions, plasma membrane domains, intercellular transfer and epigenetic mechanisms. <i>Journal of Receptor and Signal Transduction Research</i> , <b>2011</b> , 31, 315-31	2.6	18
47	Fine needle aspiration coupled with real-time PCR: a painless methodology to study adaptive functional changes in skeletal muscle. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2007</b> , 17, 383-94	3.5	18
46	Identification and characterization of the <i>Tuber borchii</i> D-mannitol dehydrogenase which defines a new subfamily within the polyol-specific medium chain dehydrogenases. <i>Fungal Genetics and Biology</i> , <b>2007</b> , 44, 965-78	3.9	18

45	MIR retroposon exonization promotes evolutionary variability and generates species-specific expression of IGF-1 splice variants. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2016</b> , 1859, 757-68	6	18
44	Creatine Prevents the Structural and Functional Damage to Mitochondria in Myogenic, Oxidatively Stressed C2C12 Cells and Restores Their Differentiation Capacity. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 5152029	6.7	16
43	The Combination of Physical Exercise with Muscle-Directed Antioxidants to Counteract Sarcopenia: A Biomedical Rationale for Pleiotropic Treatment with Creatine and Coenzyme Q10. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 7083049	6.7	15
42	Effect of Different Exercise Intensities on the Myotendinous Junction Plasticity. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158059	3.7	15
41	Combination of Coenzyme Q Intake and Moderate Physical Activity Counteracts Mitochondrial Dysfunctions in a SAMP8 Mouse Model. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 8936251	6.7	15
40	Muscle and Systemic Molecular Responses to a Single Flywheel Based Iso-Inertial Training Session in Resistance-Trained Men. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 554	4.6	14
39	Bacterial diversity of traditional Fossa (pit) cheese and its ripening environment. <i>International Dairy Journal</i> , <b>2012</b> , 23, 62-67	3.5	14
38	Melatonin behavior in restoring chemical damaged C2C12 myoblasts. <i>Microscopy Research and Technique</i> , <b>2016</b> , 79, 532-40	2.8	14
37	Accurate and precise DNA quantification in the presence of different amplification efficiencies using an improved Cy0 method. <i>PLoS ONE</i> , <b>2013</b> , 8, e68481	3.7	13
36	The intrinsically disordered E-domains regulate the IGF-1 prohormones stability, subcellular localisation and secretion. <i>Scientific Reports</i> , <b>2018</b> , 8, 8919	4.9	12
35	Bioinformatics and mathematical modelling in the study of receptor-receptor interactions and receptor oligomerization: focus on adenosine receptors. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2011</b> , 1808, 1267-83	3.8	12
34	<i>Tilia platyphyllos</i> Scop.- <i>Tuber brumale</i> Vittad. vs. <i>T. platyphyllos</i> Scop.- <i>T. borchii</i> Vittad. ectomycorrhizal systems: a comparison of structural and functional traits. <i>Plant Physiology and Biochemistry</i> , <b>2005</b> , 43, 709-16	5.4	12
33	A new theoretical approach to the functional meaning of sleep and dreaming in humans based on the maintenance of predictive psychic homeostasis. <i>Communicative and Integrative Biology</i> , <b>2011</b> , 4, 640-54	1.7	11
32	Estimation of fungal biomass and transcript levels in <i>Tilia platyphyllos</i> - <i>Tuber borchii</i> ectomycorrhizae. <i>FEMS Microbiology Letters</i> , <b>2000</b> , 188, 119-24	2.9	11
31	Diameters and Fluorescence Calibration for Extracellular Vesicle Analyses by Flow Cytometry. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	11
30	Melatonin protects hippocampal HT22 cells from the effects of serum deprivation specifically targeting mitochondria. <i>PLoS ONE</i> , <b>2018</b> , 13, e0203001	3.7	11
29	Caveolin-1 enhances metastasis formation in a human model of embryonal rhabdomyosarcoma through Erk signaling cooperation. <i>Cancer Letters</i> , <b>2019</b> , 449, 135-144	9.9	10
28	The isoprenoid pathway in the ectomycorrhizal fungus <i>Tuber borchii</i> Vittad.: cloning and characterisation of the <i>tahmgr</i> , <i>tbfpps</i> and <i>tbsqs</i> genes. <i>Current Genetics</i> , <b>2006</b> , 50, 393-404	2.9	10

27	Mitohormesis in muscle cells: a morphological, molecular, and proteomic approach. <i>Muscles, Ligaments and Tendons Journal</i> , <b>2013</b> , 3, 254-66	1.9	10
26	Small Extracellular Vesicles from adipose derived stromal cells significantly attenuate in vitro the NF-B dependent inflammatory/catabolic environment of osteoarthritis. <i>Scientific Reports</i> , <b>2021</b> , 11, 1053	4.9	10
25	Extract Loaded in Biomimetic Nanoparticles Evokes In Vitro Anti-Inflammatory and Wound Healing Activities. <i>Nanomaterials</i> , <b>2020</b> , 11,	5.4	9
24	Analysis of gene expression in the vegetative and fructification phases of the white truffle, <i>Tuber borchii</i> Vittad., by mRNA differential display. <i>Biotechnology Letters</i> , <b>2000</b> , 22, 307-312	3	7
23	Signal Exchange through Extracellular Vesicles in Neuromuscular Junction Establishment and Maintenance: From Physiology to Pathology. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	6
22	Sugar transporters in the black truffle <i>Tuber melanosporum</i> : from gene prediction to functional characterization. <i>Fungal Genetics and Biology</i> , <b>2015</b> , 81, 52-61	3.9	6
21	Analysis of biological and technical variability in gene expression assays from formalin-fixed paraffin-embedded classical Hodgkin lymphomas. <i>Experimental and Molecular Pathology</i> , <b>2014</b> , 97, 433-444	4.4	6
20	Acute isoproterenol induces anxiety-like behavior in rats and increases plasma content of extracellular vesicles. <i>Physiology and Behavior</i> , <b>2015</b> , 142, 79-84	3.5	6
19	Aspects on the integrative actions of the brain from neural networks to "brain-body medicine". <i>Journal of Receptor and Signal Transduction Research</i> , <b>2012</b> , 32, 163-80	2.6	6
18	Characterization and mRNA expression profile of the <i>TbNre1</i> gene of the ectomycorrhizal fungus <i>Tuber borchii</i> . <i>Current Genetics</i> , <b>2009</b> , 55, 59-68	2.9	6
17	Detection and Investigation of Extracellular Vesicles in Serum and Urine Supernatant of Prostate Cancer Patients. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	6
16	Dietary fat differentially modulate the mRNA expression levels of oxidative mitochondrial genes in skeletal muscle of healthy subjects. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2014</b> , 24, 198-204	4.5	5
15	Flow cytometric analyses disclose intercellular communications in FasL-stimulated T cells: results and trouble shooting. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2012</b> , 81, 5-8	4.6	5
14	Cloning and characterisation of a polyubiquitin gene from the ectomycorrhizal fungus <i>Tuber borchii</i> vittad. <i>Current Genetics</i> , <b>2001</b> , 40, 49-53	2.9	5
13	Skeletal Muscle Cell Behavior After Physical Agent Treatments. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 3665-72	3.3	5
12	Effects of oxidative stress on mitochondrial content and integrity of human anastomotic colorectal dehiscence: a preliminary DNA study. <i>Canadian Journal of Gastroenterology &amp; Hepatology</i> , <b>2011</b> , 25, 433-9		4
11	The expression analysis of mouse interleukin-6 splice variants argued against their biological relevance. <i>BMB Reports</i> , <b>2012</b> , 45, 32-7	5.5	4
10	Erythropoietin Increases GABA Currents in Human Cortex from TLE Patients. <i>Neuroscience</i> , <b>2020</b> , 439, 153-162	3.9	4

9	An ultracentrifugation - hollow-fiber flow field-flow fractionation orthogonal approach for the purification and mapping of extracellular vesicle subtypes. <i>Journal of Chromatography A</i> , <b>2021</b> , 1638, 461861	4.5	4
8	Evaluation of transcript level and biomass during mycelial development of the truffle, <i>Tuber borchii</i> . <i>Biotechnology Letters</i> , <b>2001</b> , 23, 17-20	3	3
7	Caveolin-1 promotes radioresistance in rhabdomyosarcoma through increased oxidative stress protection and DNA repair. <i>Cancer Letters</i> , <b>2021</b> , 505, 1-12	9.9	2
6	Molecular characterisation of a <i>Tuber borchii</i> Smt3 gene. <i>Plant Physiology and Biochemistry</i> , <b>2006</b> , 44, 506-10	5.4	1
5	The exosomal surface phenotype and inflamma-miR cargo correlate with MDS diagnosis. <i>British Journal of Haematology</i> , <b>2021</b> , 192, e4-e7	4.5	1
4	Current Methods for the Isolation of Urinary Extracellular Vesicles. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2292, 153-172	1.4	1
3	Uptake and Intracellular Trafficking Studies of Multiple Dye-Doped Core-Shell Silica Nanoparticles in Lymphoid and Myeloid Cells. <i>Nanotechnology, Science and Applications</i> , <b>2021</b> , 14, 29-48	3.9	1
2	Molecular Modifications Induced by Physical Exercise: A Significant Role in Disease Prevention <b>2007</b> , 83-99		
1	The Pleiotropic Effect of Physical Exercise on Mitochondrial Dynamics in Aging Skeletal Muscle <b>2016</b> , 147-182		