

Silvia Ravera

List of Publications by Year in descending order

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Version: 2024-02-01

191
papers

4,256
citations

117625

34
h-index

175258

52
g-index

200
all docs

200
docs citations

200
times ranked

5413
citing authors

#	ARTICLE	IF	CITATIONS
1	The Sodium/Iodide Symporter (NIS): Molecular Physiology and Preclinical and Clinical Applications. <i>Annual Review of Physiology</i> , 2017, 79, 261-289.	13.1	188
2	Fasting induces anti-Warburg effect that increases respiration but reduces ATP-synthesis to promote apoptosis in colon cancer models. <i>Oncotarget</i> , 2015, 6, 11806-11819.	1.8	127
3	Direct inhibition of hexokinase activity by metformin at least partially impairs glucose metabolism and tumor growth in experimental breast cancer. <i>Cell Cycle</i> , 2013, 12, 3490-3499.	2.6	124
4	Metformin Impairs Glucose Consumption and Survival in Calu-1 Cells by Direct Inhibition of Hexokinase-II. <i>Scientific Reports</i> , 2013, 3, 2070.	3.3	100
5	Deciphering PiT transport kinetics and substrate specificity using electrophysiology and flux measurements. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C606-C620.	4.6	96
6	Evidence for aerobic ATP synthesis in isolated myelin vesicles. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1581-1591.	2.8	92
7	Nicotinic Acid Phosphoribosyltransferase Regulates Cancer Cell Metabolism, Susceptibility to NAMPT Inhibitors, and DNA Repair. <i>Cancer Research</i> , 2017, 77, 3857-3869.	0.9	81
8	Photobiomodulation with 808-nm diode laser light promotes wound healing of human endothelial cells through increased reactive oxygen species production stimulating mitochondrial oxidative phosphorylation. <i>Lasers in Medical Science</i> , 2019, 34, 495-504.	2.1	77
9	Evidence for aerobic metabolism in retinal rod outer segment disks. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 2555-2565.	2.8	70
10	Discovery of a novel glucose metabolism in cancer: The role of endoplasmic reticulum beyond glycolysis and pentose phosphate shunt. <i>Scientific Reports</i> , 2016, 6, 25092.	3.3	67
11	Two Na ⁺ Sites Control Conformational Change in a Neurotransmitter Transporter Homolog. <i>Journal of Biological Chemistry</i> , 2016, 291, 1456-1471.	3.4	65
12	Caveolin-1 is essential for metformin inhibitory effect on IGF1 action in non-small cell lung cancer cells. <i>FASEB Journal</i> , 2012, 26, 788-798.	0.5	64
13	Exosomes from human mesenchymal stem cells conduct aerobic metabolism in term and preterm newborn infants. <i>FASEB Journal</i> , 2016, 30, 1416-1424.	0.5	63
14	Pharmacological Sirt6 inhibition improves glucose tolerance in a type 2 diabetes mouse model. <i>FASEB Journal</i> , 2017, 31, 3138-3149.	0.5	62
15	Functionally relevant decreases in activatory receptor expression on NK cells are associated with pulmonary tuberculosis in vivo and persist after successful treatment. <i>International Immunology</i> , 2009, 21, 779-791.	4.0	61
16	An 808-nm Diode Laser with a Flat-Top Handpiece Positively Photobiomodulates Mitochondria Activities. <i>Photomedicine and Laser Surgery</i> , 2016, 34, 564-571.	2.0	57
17	Proteomic Analysis of the Retinal Rod Outer Segment Disks. <i>Journal of Proteome Research</i> , 2008, 7, 2654-2669.	3.7	56
18	Mitochondrial respiratory chain Complex I defects in Fanconi anemia complementation group A. <i>Biochimie</i> , 2013, 95, 1828-1837.	2.6	55

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19	Oxidative stress in myelin sheath: The other face of the extramitochondrial oxidative phosphorylation ability. <i>Free Radical Research</i> , 2015, 49, 1156-1164.	3.3	54
20	Proteomics unravels the exportability of mitochondrial respiratory chains. <i>Expert Review of Proteomics</i> , 2011, 8, 231-239.	3.0	53
21	Non-receptor-mediated actions are responsible for the lipid-lowering effects of iodothyronines in FaO rat hepatoma cells. <i>Journal of Endocrinology</i> , 2011, 210, 59-69.	2.6	52
22	Characterization of Myelin Sheath FoF1-ATP Synthase and its Regulation by IF1. <i>Cell Biochemistry and Biophysics</i> , 2011, 59, 63-70.	1.8	46
23	Defects in mitochondrial energetic function compels Fanconi Anaemia cells to glycolytic metabolism. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1214-1221.	3.8	46
24	Photobiomodulation and Oxidative Stress: 980nm Diode Laser Light Regulates Mitochondrial Activity and Reactive Oxygen Species Production. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	4.0	46
25	Tricarboxylic acid cycle-sustained oxidative phosphorylation in isolated myelin vesicles. <i>Biochimie</i> , 2013, 95, 1991-1998.	2.6	43
26	Divergent targets of glycolysis and oxidative phosphorylation result in additive effects of metformin and starvation in colon and breast cancer. <i>Scientific Reports</i> , 2016, 6, 19569.	3.3	43
27	The nuclear genes <i>Mtfr1</i> and <i>Dufd1</i> regulate mitochondrial dynamic and cellular respiration. <i>Journal of Cellular Physiology</i> , 2010, 225, 767-776.	4.1	42
28	IGF1 regulates PKM2 function through Akt phosphorylation. <i>Cell Cycle</i> , 2015, 14, 1559-1567.	2.6	42
29	Discrete Changes in Glucose Metabolism Define Aging. <i>Scientific Reports</i> , 2019, 9, 10347.	3.3	42
30	The human urinary exosome as a potential metabolic effector cargo. <i>Expert Review of Proteomics</i> , 2015, 12, 425-432.	3.0	41
31	Glutathione-mediated antioxidant response and aerobic metabolism: two crucial factors involved in determining the multi-drug resistance of high-risk neuroblastoma. <i>Oncotarget</i> , 2016, 7, 70715-70737.	1.8	40
32	Mitochondrial respiratory complex I defects in Fanconi anemia. <i>Trends in Molecular Medicine</i> , 2013, 19, 513-514.	6.7	39
33	Evaluation of energy metabolism and calcium homeostasis in cells affected by Shwachman-Diamond syndrome. <i>Scientific Reports</i> , 2016, 6, 25441.	3.3	39
34	Effects of extremely low frequency electromagnetic fields on membrane-associated enzymes. <i>Archives of Biochemistry and Biophysics</i> , 2005, 441, 191-198.	3.0	38
35	Immunolocalization of G-protein Alpha Subunits in the Olfactory System of the Cartilaginous Fish <i>Scyliorhinus Canicula</i> . <i>Anatomical Record</i> , 2009, 292, 1771-1779.	1.4	38
36	Extra-mitochondrial aerobic metabolism in retinal rod outer segments: New perspectives in retinopathies. <i>Medical Hypotheses</i> , 2012, 78, 423-427.	1.5	37

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37	Curcumin induces a fatal energetic impairment in tumor cells in vitro and in vivo by inhibiting ATP-synthase activity. <i>Carcinogenesis</i> , 2018, 39, 1141-1150.	2.8	37
38	808-nm laser therapy with a flat-top handpiece photobiomodulates mitochondria activities of <i>Paramecium primaurelia</i> (Protozoa). <i>Lasers in Medical Science</i> , 2016, 31, 741-747.	2.1	36
39	Inhibition of Hemorrhagic Snake Venom Components: Old and New Approaches. <i>Toxins</i> , 2010, 2, 417-427.	3.4	35
40	An update of the chemiosmotic theory as suggested by possible proton currents inside the coupling membrane. <i>Open Biology</i> , 2019, 9, 180221.	3.6	35
41	Extramitochondrial tricarboxylic acid cycle in retinal rod outer segments. <i>Biochimie</i> , 2011, 93, 1565-1575.	2.6	34
42	Evidence for Ectopic Aerobic ATP Production on C6 Glioma Cell Plasma Membrane. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 313-321.	3.3	33
43	Sinusoidal ELF magnetic fields affect acetylcholinesterase activity in cerebellum synaptosomal membranes. <i>Bioelectromagnetics</i> , 2010, 31, 270-276.	1.6	31
44	Live imaging of mammalian retina: rod outer segments are stained by conventional mitochondrial dyes. <i>Journal of Biomedical Optics</i> , 2008, 13, 054017.	2.6	30
45	Hypothesis of an Energetic Function for Myelin. <i>Cell Biochemistry and Biophysics</i> , 2011, 61, 179-187.	1.8	30
46	Effect of polyphenolic phytochemicals on ectopic oxidative phosphorylation in rod outer segments of bovine retina. <i>British Journal of Pharmacology</i> , 2015, 172, 3890-3903.	5.4	30
47	Metformin inhibits cell cycle progression of B-cell chronic lymphocytic leukemia cells. <i>Oncotarget</i> , 2015, 6, 22624-22640.	1.8	30
48	Cancer cell metabolic plasticity allows resistance to NAMPT inhibition but invariably induces dependence on LDHA. <i>Cancer & Metabolism</i> , 2018, 6, 1.	5.0	29
49	1064 nm Nd:YAG laser light affects transmembrane mitochondria respiratory chain complexes. <i>Journal of Biophotonics</i> , 2019, 12, e201900101.	2.3	29
50	Increased myocardial 18F-FDG uptake as a marker of Doxorubicin-induced oxidative stress. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 2183-2194.	2.1	29
51	Hypothesis of Lipid-Phase-Continuity Proton Transfer for Aerobic ATP Synthesis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1838-1842.	4.3	28
52	New findings in ATP supply in rod outer segments: Insights for retinopathies. <i>Biology of the Cell</i> , 2013, 105, 345-358.	2.0	27
53	Human urinary exosome proteome unveils its aerobic respiratory ability. <i>Journal of Proteomics</i> , 2016, 136, 25-34.	2.4	27
54	Hypomorphic FANCA mutations correlate with mild mitochondrial and clinical phenotype in Fanconi anemia. <i>Haematologica</i> , 2018, 103, 417-426.	3.5	26

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55	Mesenchymal stem cells from preterm to term newborns undergo a significant switch from anaerobic glycolysis to the oxidative phosphorylation. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 889-903.	5.4	26
56	Metabolic Signature of Microvesicles from Umbilical Cord Mesenchymal Stem Cells of Preterm and Term Infants. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700082.	1.6	26
57	Mitochondrial Bioenergetic, Photobiomodulation and Trigeminal Branches Nerve Damage, What's the Connection? A Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4347.	4.1	26
58	Exposure of <i>Paracentrotus lividus</i> male gametes to engineered nanoparticles affects skeletal bio-mineralization processes and larval plasticity. <i>Aquatic Toxicology</i> , 2015, 158, 181-191.	4.0	25
59	Concentration-dependent metabolic effects of metformin in healthy and Fanconi anemia lymphoblast cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 1736-1751.	4.1	25
60	SIRT6 enhances oxidative phosphorylation in breast cancer and promotes mammary tumorigenesis in mice. <i>Cancer & Metabolism</i> , 2021, 9, 6.	5.0	25
61	A reversible carnitine palmitoyltransferase (CPT1) inhibitor offsets the proliferation of chronic lymphocytic leukemia cells. <i>Haematologica</i> , 2018, 103, e531-e536.	3.5	24
62	Altered glucose catabolism in the presynaptic and perisynaptic compartments of SOD1 ^{G93A} mouse spinal cord and motor cortex indicates that mitochondria are the site of bioenergetic imbalance in ALS. <i>Journal of Neurochemistry</i> , 2019, 151, 336-350.	3.9	24
63	Obligatory role of endoplasmic reticulum in brain FDG uptake. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1184-1196.	6.4	24
64	A blue dive: from "blue fingers" to "blue silver". A comparative overview of staining methods for in-gel proteomics. <i>Expert Review of Proteomics</i> , 2012, 9, 627-634.	3.0	22
65	Effect of 808nm Diode Laser on Swimming Behavior, Food Vacuole Formation and Endogenous ATP Production of <i>Paramecium primaurelia</i> (Protozoa). <i>Photochemistry and Photobiology</i> , 2015, 91, 1150-1155.	2.5	22
66	G6Pase location in the endoplasmic reticulum: Implications on compartmental analysis of FDG uptake in cancer cells. <i>Scientific Reports</i> , 2019, 9, 2794.	3.3	22
67	Functional expression of electron transport chain complexes in mouse rod outer segments. <i>Biochimie</i> , 2014, 102, 78-82.	2.6	21
68	Why do premature newborn infants display elevated blood adenosine levels?. <i>Medical Hypotheses</i> , 2016, 90, 53-56.	1.5	21
69	Cell proliferation and apoptosis in the olfactory epithelium of the shark <i>Scyliorhinus canicula</i> . <i>Journal of Chemical Neuroanatomy</i> , 2010, 40, 293-300.	2.1	20
70	The Protozoan, <i>Paramecium primaurelia</i> , as a Non-sentient Model to Test Laser Light Irradiation: The Effects of an 808nm Infrared Laser Diode on Cellular Respiration. <i>ATLA Alternatives To Laboratory Animals</i> , 2015, 43, 155-162.	1.0	20
71	Characterization of the Mitochondrial Aerobic Metabolism in the Pre- and Perisynaptic Districts of the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis. <i>Molecular Neurobiology</i> , 2018, 55, 9220-9233.	4.0	20
72	PKC ζ Inhibition as a Strategy to Sensitize Neuroblastoma Stem Cells to Etoposide by Stimulating Ferroptosis. <i>Antioxidants</i> , 2021, 10, 691.	5.1	20

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73	Improving Consistency of Photobiomodulation Therapy: A Novel Flat-Top Beam Hand-Piece versus Standard Gaussian Probes on Mitochondrial Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7788.	4.1	20
74	Treatment of FANCA Cells with Resveratrol and N-Acetylcysteine: A Comparative Study. <i>PLoS ONE</i> , 2014, 9, e104857.	2.5	19
75	Two high-rate pentose-phosphate pathways in cancer cells. <i>Scientific Reports</i> , 2020, 10, 22111.	3.3	19
76	A Narrative Review on Oral and Periodontal Bacteria Microbiota Photobiomodulation, through Visible and Near-Infrared Light: From the Origins to Modern Therapies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1372.	4.1	19
77	Electromagnetic field of extremely low frequency decreased adenylate kinase activity in retinal rod outer segment membranes. <i>Bioelectrochemistry</i> , 2004, 63, 317-320.	4.6	18
78	Simultaneous detection of molecular weight and activity of adenylate kinases after electrophoretic separation. <i>Electrophoresis</i> , 2007, 28, 291-300.	2.4	18
79	Functional Expression of Electron Transport Chain and FoF1-ATP Synthase in Optic Nerve Myelin Sheath. <i>Neurochemical Research</i> , 2015, 40, 2230-2241.	3.3	18
80	A Novel Hypothesis About Mechanisms Affecting Conduction Velocity of Central Myelinated Fibers. <i>Neurochemical Research</i> , 2011, 36, 1732-1739.	3.3	17
81	Changes in vimentin, lamin A/C and mitofilin induce aberrant cell organization in fibroblasts from Fanconi anemia complementation group A (FA-A) patients. <i>Biochimie</i> , 2013, 95, 1838-1847.	2.6	17
82	Beyond non-integer Hill coefficients: A novel approach to analyzing binding data, applied to Na ⁺ -driven transporters. <i>Journal of General Physiology</i> , 2015, 145, 555-563.	1.9	17
83	The passage from bone marrow niche to bloodstream triggers the metabolic impairment in Fanconi Anemia mononuclear cells. <i>Redox Biology</i> , 2020, 36, 101618.	9.0	17
84	The aerobic mitochondrial ATP synthesis from a comprehensive point of view. <i>Open Biology</i> , 2020, 10, 200224.	3.6	17
85	Oxydative phosphorylation in sciatic nerve myelin and its impairment in a model of dysmyelinating peripheral neuropathy. <i>Journal of Neurochemistry</i> , 2013, 126, 82-92.	3.9	16
86	Support of Nerve Conduction by Respiring Myelin Sheath: Role of Connexons. <i>Molecular Neurobiology</i> , 2016, 53, 2468-2479.	4.0	16
87	Extramitochondrial energy production in platelets. <i>Biology of the Cell</i> , 2018, 110, 97-108.	2.0	16
88	808-nm Photobiomodulation Affects the Viability of a Head and Neck Squamous Carcinoma Cellular Model, Acting on Energy Metabolism and Oxidative Stress Production. <i>Biomedicines</i> , 2021, 9, 1717.	3.2	16
89	First Cell Cycles of Sea Urchin <i>Paracentrotus lividus</i> Are Dramatically Impaired by Exposure to Extremely Low-Frequency Electromagnetic Field. <i>Biology of Reproduction</i> , 2006, 75, 948-953.	2.7	15
90	Are Rod Outer Segment ATP-ase and ATP-Synthase Activity Expression of the Same Protein?. <i>Cellular and Molecular Neurobiology</i> , 2013, 33, 637-649.	3.3	15

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91	Functional expression of oxidative phosphorylation proteins in the rod outer segment disc. <i>Cell Biochemistry and Function</i> , 2013, 31, 532-538.	2.9	15
92	Dysregulated Ca ²⁺ Homeostasis in Fanconi anemia cells. <i>Scientific Reports</i> , 2015, 5, 8088.	3.3	15
93	In-vivo genetic ablation of metabotropic glutamate receptor type 5 slows down disease progression in the SOD1G93A mouse model of amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2019, 129, 79-92.	4.4	15
94	Mechanisms underlying the predictive power of high skeletal muscle uptake of FDG in amyotrophic lateral sclerosis. <i>EJNMMI Research</i> , 2020, 10, 76.	2.5	15
95	Confocal laser scanning microscopy of retinal rod outer segment intact disks: new labeling technique. <i>Journal of Biomedical Optics</i> , 2007, 12, 050501.	2.6	14
96	Effect of starvation on brain glucose metabolism and 18F-2-fluoro-2-deoxyglucose uptake: an experimental in-vivo and ex-vivo study. <i>EJNMMI Research</i> , 2018, 8, 44.	2.5	14
97	The 808nm and 980nm infrared laser irradiation affects spore germination and stored calcium homeostasis: A comparative study using delivery hand-pieces with standard (Gaussian) or flat-top profile. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 199, 111627.	3.8	14
98	Deferasirox-Dependent Iron Chelation Enhances Mitochondrial Dysfunction and Restores p53 Signaling by Stabilization of p53 Family Members in Leukemic Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7674.	4.1	14
99	FANCD2 modulates the mitochondrial stress response to prevent common fragile site instability. <i>Communications Biology</i> , 2021, 4, 127.	4.4	14
100	Comprehensive Profiling of Secretome Formulations from Fetal- and Perinatal Human Amniotic Fluid Stem Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3713.	4.1	14
101	Evaluation of the Acquisition of the Aerobic Metabolic Capacity by Myelin, during its Development. <i>Molecular Neurobiology</i> , 2016, 53, 7048-7056.	4.0	13
102	Glibenclamide Mimics Metabolic Effects of Metformin in H9c2 Cells. <i>Cellular Physiology and Biochemistry</i> , 2017, 43, 879-890.	1.6	13
103	FDG uptake tracks the oxidative damage in diabetic skeletal muscle: An experimental study. <i>Molecular Metabolism</i> , 2020, 31, 98-108.	6.5	13
104	The Hormetic Effect of Metformin: "Less Is More". <i>International Journal of Molecular Sciences</i> , 2021, 22, 6297.	4.1	13
105	Impairment of heme synthesis in myelin as potential trigger of multiple sclerosis. <i>Medical Hypotheses</i> , 2012, 78, 707-710.	1.5	12
106	An Externally Accessible Linker Region in the Sodium-Coupled Phosphate Transporter PIT-1 (SLC20A1) is Important for Transport Function. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 187-199.	1.6	12
107	Effects of Amide Creatine Derivatives in Brain Hippocampal Slices, and Their Possible Usefulness for Curing Creatine Transporter Deficiency. <i>Neurochemical Research</i> , 2014, 39, 37-45.	3.3	12
108	p38 mitogen-activated protein kinase inhibition enhances in vitro erythropoiesis of Fanconi anemia, complementation group A "deficient bone marrow cells. <i>Experimental Hematology</i> , 2015, 43, 295-299.	0.4	12

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109	Fanconi anemia: from DNA repair to metabolism. <i>European Journal of Human Genetics</i> , 2018, 26, 475-476.	2.8	12
110	Phenomic Impact of Genetically-Determined Euthyroid Function and Molecular Differences between Thyroid Disorders. <i>Journal of Clinical Medicine</i> , 2018, 7, 296.	2.4	12
111	Altered lipid metabolism could drive the bone marrow failure in fanconi anaemia. <i>British Journal of Haematology</i> , 2019, 184, 693-696.	2.5	12
112	Genetic screening of children with marrow failure. The role of primary Immunodeficiencies. <i>American Journal of Hematology</i> , 2021, 96, 1077-1086.	4.1	12
113	Blocking glutamate mGlu 5 receptors with the negative allosteric modulator CTEP improves disease course in SOD1 G93A mouse model of amyotrophic lateral sclerosis. <i>British Journal of Pharmacology</i> , 2021, 178, 3747-3764.	5.4	12
114	Role of myelin sheath energy metabolism in neurodegenerative diseases. <i>Neural Regeneration Research</i> , 2015, 10, 1570.	3.0	12
115	Effects of extremely low frequency electromagnetic fields on the adenylate kinase activity of rod outer segment of bovine retina. <i>Bioelectromagnetics</i> , 2004, 25, 545-551.	1.6	11
116	Inactivation of phospholipase A2 and metalloproteinase from <i>Crotalus atrox</i> venom by direct current. <i>Journal of Biochemical and Molecular Toxicology</i> , 2007, 21, 7-12.	3.0	11
117	Berberine affects mitochondrial activity and cell growth of leukemic cells from chronic lymphocytic leukemia patients. <i>Scientific Reports</i> , 2020, 10, 16519.	3.3	11
118	Lectin-induced oxidative stress in human platelets. <i>Redox Biology</i> , 2020, 32, 101456.	9.0	11
119	¹⁸ F-fluoro-2-deoxy-d-glucose (FDG) uptake. What are we looking at?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1278-1286.	6.4	11
120	Metformin and Cancer Glucose Metabolism: At the Bench or at the Bedside?. <i>Biomolecules</i> , 2021, 11, 1231.	4.0	11
121	Myelin proteomics: the past, the unexpected and the future. <i>Expert Review of Proteomics</i> , 2014, 11, 345-354.	3.0	10
122	The Human Fetal and Adult Stem Cell Secretome Can Exert Cardioprotective Paracrine Effects against Cardiotoxicity and Oxidative Stress from Cancer Treatment. <i>Cancers</i> , 2021, 13, 3729.	3.7	10
123	The Role of Endoplasmic Reticulum in the Differential Endurance against Redox Stress in Cortical and Spinal Astrocytes from the Newborn SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis. <i>Antioxidants</i> , 2021, 10, 1392.	5.1	10
124	Identification of NAPRT Inhibitors with Anti-Cancer Properties by In Silico Drug Discovery. <i>Pharmaceuticals</i> , 2022, 15, 848.	3.8	10
125	Localization of the Cyclic ADP-Ribose-Dependent Calcium Signaling Pathway in Bovine Rod Outer Segments. , 2007, 48, 978.		9
126	The relationship between asthma control and quality-of-life impairment due to chronic cough: a real-life study. <i>Annals of Allergy, Asthma and Immunology</i> , 2008, 101, 370-374.	1.0	9

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127	Myelination increases chemical energy support to the axon without modifying the basic physicochemical mechanism of nerve conduction. <i>Neurochemistry International</i> , 2020, 141, 104883.	3.8	9
128	Sclareol modulates free radical production in the retinal rod outer segment by inhibiting the ectopic f1fo-atp synthase. <i>Free Radical Biology and Medicine</i> , 2020, 160, 368-375.	2.9	9
129	Inhibitory Action of Antidiabetic Drugs on the Free Radical Production by the Rod Outer Segment Ectopic Aerobic Metabolism. <i>Antioxidants</i> , 2020, 9, 1133.	5.1	9
130	Iron overload alters the energy metabolism in patients with myelodysplastic syndromes: results from the multicenter FISM BIOFER study. <i>Scientific Reports</i> , 2020, 10, 9156.	3.3	9
131	Immunochemical or fluorescent labeling of vesicular subcellular fractions for microscopy imaging. <i>Microscopy Research and Technique</i> , 2010, 73, 1086-1090.	2.2	8
132	Tubulin posttranslational modifications induced by cadmium in the sponge <i>Clathrina clathrus</i> . <i>Aquatic Toxicology</i> , 2013, 140-141, 98-105.	4.0	8
133	Short-pulse neodymium:yttriumâ€“aluminium garnet (Nd:YAG 1064 nm) laser irradiation photobiomodulates mitochondria activity and cellular multiplication of <i>Paramecium primaurelia</i> (Protozoa). <i>European Journal of Protistology</i> , 2017, 61, 294-304.	1.5	8
134	Noninvasive In Vivo Quantification of Adeno-Associated Virus Serotype 9â€“Mediated Expression of the Sodium/Iodide Symporter Under Hindlimb Ischemia and Neuraminidase Desialylation in Skeletal Muscle Using Single-Photon Emission Computed Tomography/Computed Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009063.	2.6	8
135	Simulated microgravity induces nuclear translocation of Bax and BCL-2 in glial cultured C6 cells. <i>Heliyon</i> , 2019, 5, e01798.	3.2	8
136	Differential modulation of SIRT6 deacetylase and deacylase activities by lysine-based small molecules. <i>Molecular Diversity</i> , 2020, 24, 655-671.	3.9	8
137	The Elusive Link Between Cancer FDG Uptake and Glycolytic Flux Explains the Preserved Diagnostic Accuracy of PET/CT in Diabetes. <i>Translational Oncology</i> , 2020, 13, 100752.	3.7	8
138	A multistationary loop model of ALS unveils critical molecular interactions involving mitochondria and glucose metabolism. <i>PLoS ONE</i> , 2020, 15, e0244234.	2.5	8
139	A Multidrug Approach to Modulate the Mitochondrial Metabolism Impairment and Relative Oxidative Stress in Fanconi Anemia Complementation Group A. <i>Metabolites</i> , 2022, 12, 6.	2.9	8
140	Structural modification of proteins by direct electric current from low voltage. <i>Journal of Biochemical and Molecular Toxicology</i> , 2009, 23, 309-317.	3.0	7
141	First Evidence of a Leptinâ€“Like Peptide in a Cartilaginous Fish. <i>Anatomical Record</i> , 2010, 293, 1692-1697.	1.4	7
142	Myelin sheath: A new possible role in sleep mechanism. <i>Sleep Medicine</i> , 2011, 12, 199-199.	1.6	7
143	New Insights and Perspectives in Fanconi Anemia Research. <i>Trends in Molecular Medicine</i> , 2019, 25, 167-170.	6.7	7
144	Electromagnetic Dosimetry for Isolated Mitochondria Exposed to Nearâ€“Infrared Continuousâ€“Wave Illumination in Photobiomodulation Experiments. <i>Bioelectromagnetics</i> , 2021, 42, 384-397.	1.6	7

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145	Leptin-like immunoreactivity in the muscle of juvenile sea bass (<i>Dicentrarchus labrax</i>). <i>Microscopy Research and Technique</i> , 2010, 73, 797-802.	2.2	6
146	A Global MicroRNA Profile in Fanconi Anemia: A Pilot Study. <i>Metabolic Syndrome and Related Disorders</i> , 2019, 17, 53-59.	1.3	6
147	¹⁸ F-Fluorodeoxyglucose Positron Emission Tomography Tracks the Heterogeneous Brain Susceptibility to the Hyperglycemia-Related Redox Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8154.	4.1	6
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