

# Silvia Ravera

## List of Publications by Year in descending order

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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	High Glucose Impairs Expression and Activation of MerTK in ARPE-19 Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1144.	4.1	2
2	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
3	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
4	Targeting of Ubiquitin E3 Ligase RNF5 as a Novel Therapeutic Strategy in Neuroectodermal Tumors. <i>Cancers</i> , 2022, 14, 1802.	3.7	4
5	Mitochondrial Generated Redox Stress Differently Affects the Endoplasmic Reticulum of Circulating Lymphocytes and Monocytes in Treatment-Naïve Hodgkin's Lymphoma. <i>Antioxidants</i> , 2022, 11, 762.	5.1	2
6	Identification of NAPRT Inhibitors with Anti-Cancer Properties by In Silico Drug Discovery. <i>Pharmaceuticals</i> , 2022, 15, 848.	3.8	10
7	Genomic integrity and mitochondrial metabolism defects in Warsaw syndrome cells: a comparison with Fanconi anemia. <i>Journal of Cellular Physiology</i> , 2021, 236, 5664-5675.	4.1	1
8	FANCD2 modulates the mitochondrial stress response to prevent common fragile site instability. <i>Communications Biology</i> , 2021, 4, 127.	4.4	14
9	SIRT6 enhances oxidative phosphorylation in breast cancer and promotes mammary tumorigenesis in mice. <i>Cancer &amp; Metabolism</i> , 2021, 9, 6.	5.0	25
10	The diterpene Manool extracted from <i>Salvia tingitana</i> lowers free radical production in retinal rod outer segments by inhibiting the extramitochondrial F <sub>1</sub> F <sub>o</sub> ATP synthase. <i>Cell Biochemistry and Function</i> , 2021, 39, 528-535.	2.9	4
11	Photobiomodulation and Oxidative Stress: 980-nm 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
12	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
13	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
14	PKC $\delta$ Inhibition as a Strategy to Sensitize Neuroblastoma Stem Cells to Etoposide by Stimulating Ferroptosis. <i>Antioxidants</i> , 2021, 10, 691.	5.1	20
15	<sup>18</sup> 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
16	Electromagnetic Dosimetry for Isolated Mitochondria Exposed to Near-Infrared Continuous-Wave Illumination in Photobiomodulation Experiments. <i>Bioelectromagnetics</i> , 2021, 42, 384-397.	1.6	7
17	The Hormetic Effect of Metformin: 'Less Is More'. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6297.	4.1	13
18	Efficient extra-mitochondrial aerobic ATP synthesis in neuronal membrane systems. <i>Journal of Neuroscience Research</i> , 2021, 99, 2250-2260.	2.9	4

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19	Genetic screening of children with marrow failure. The role of primary Immunodeficiencies. American Journal of Hematology, 2021, 96, 1077-1086.	4.1	12
20	Blocking glutamate mGlu 5 receptors with the negative allosteric modulator CTEP improves disease course in SOD1 G93A mouse model of amyotrophic lateral sclerosis. British Journal of Pharmacology, 2021, 178, 3747-3764.	5.4	12
21	Improving Consistency of Photobiomodulation Therapy: A Novel Flat-Top Beam Hand-Piece versus Standard Gaussian Probes on Mitochondrial Activity. International Journal of Molecular Sciences, 2021, 22, 7788.	4.1	20
22	The Human Fetal and Adult Stem Cell Secretome Can Exert Cardioprotective Paracrine Effects against Cardiotoxicity and Oxidative Stress from Cancer Treatment. Cancers, 2021, 13, 3729.	3.7	10
23	Metformin and Cancer Glucose Metabolism: At the Bench or at the Bedside?. Biomolecules, 2021, 11, 1231.	4.0	11
24	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. Antioxidants, 2021, 10, 1392.	5.1	10
25	Identification of Biochemical and Molecular Markers of Early Aging in Childhood Cancer Survivors. Cancers, 2021, 13, 5214.	3.7	5
26	808-nm Photobiomodulation Affects the Viability of a Head and Neck Squamous Carcinoma Cellular Model, Acting on Energy Metabolism and Oxidative Stress Production. Biomedicines, 2021, 9, 1717.	3.2	16
27	Myelin sheath and cyanobacterial thylakoids as concentric multilamellar structures with similar bioenergetic properties. Open Biology, 2021, 11, 210177.	3.6	3
28	Increased myocardial 18F-FDG uptake as a marker of Doxorubicin-induced oxidative stress. Journal of Nuclear Cardiology, 2020, 27, 2183-2194.	2.1	29
29	Differential modulation of SIRT6 deacetylase and deacylase activities by lysine-based small molecules. Molecular Diversity, 2020, 24, 655-671.	3.9	8
30	FDG uptake tracks the oxidative damage in diabetic skeletal muscle: An experimental study. Molecular Metabolism, 2020, 31, 98-108.	6.5	13
31	Myelination increases chemical energy support to the axon without modifying the basic physicochemical mechanism of nerve conduction. Neurochemistry International, 2020, 141, 104883.	3.8	9
32	Berberine affects mitochondrial activity and cell growth of leukemic cells from chronic lymphocytic leukemia patients. Scientific Reports, 2020, 10, 16519.	3.3	11
33	The passage from bone marrow niche to bloodstream triggers the metabolic impairment in Fanconi Anemia mononuclear cells. Redox Biology, 2020, 36, 101618.	9.0	17
34	Sclareol modulates free radical production in the retinal rod outer segment by inhibiting the ectopic f1fo-atp synthase. Free Radical Biology and Medicine, 2020, 160, 368-375.	2.9	9
35	Inhibitory Action of Antidiabetic Drugs on the Free Radical Production by the Rod Outer Segment Ectopic Aerobic Metabolism. Antioxidants, 2020, 9, 1133.	5.1	9
36	Deferasirox-Dependent Iron Chelation Enhances Mitochondrial Dysfunction and Restores p53 Signaling by Stabilization of p53 Family Members in Leukemic Cells. International Journal of Molecular Sciences, 2020, 21, 7674.	4.1	14

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37	The aerobic mitochondrial ATP synthesis from a comprehensive point of view. <i>Open Biology</i> , 2020, 10, 200224.	3.6	17
38	Two high-rate pentose-phosphate pathways in cancer cells. <i>Scientific Reports</i> , 2020, 10, 22111.	3.3	19
39	<sup>18</sup> 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
40	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
41	Lectin-induced oxidative stress in human platelets. <i>Redox Biology</i> , 2020, 32, 101456.	9.0	11
42	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
43	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
44	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
45	Title is missing!. , 2020, 15, e0244234.		0
46	Title is missing!. , 2020, 15, e0244234.		0
47	Title is missing!. , 2020, 15, e0244234.		0
48	Title is missing!. , 2020, 15, e0244234.		0
49	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
50	On the Nature of the High-Affinity Iodide Binding Site of the Na <sup>+</sup> /I <sup>-</sup> Symporter (NIS). <i>Biophysical Journal</i> , 2019, 116, 169a.	0.5	0
51	Discrete Changes in Glucose Metabolism Define Aging. <i>Scientific Reports</i> , 2019, 9, 10347.	3.3	42
52	Altered glucose catabolism in the presynaptic and perisynaptic compartments of SOD1 <sup>G93A</sup> 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
53	Noninvasive In Vivo Quantification of Adeno-Associated Virus Serotype 9-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
54	Simulated microgravity induces nuclear translocation of Bax and BCL-2 in glial cultured C6 cells. <i>Heliyon</i> , 2019, 5, e01798.	3.2	8

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55	The 808â€­nm and 980â€­nm 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
56	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
57	1064 nm Nd:YAG laser light affects transmembrane mitochondria respiratory chain complexes. <i>Journal of Biophotonics</i> , 2019, 12, e201900101.	2.3	29
58	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
59	New Insights and Perspectives in Fanconi Anemia Research. <i>Trends in Molecular Medicine</i> , 2019, 25, 167-170.	6.7	7
60	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
61	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
62	A Global MicroRNA Profile in Fanconi Anemia: A Pilot Study. <i>Metabolic Syndrome and Related Disorders</i> , 2019, 17, 53-59.	1.3	6
63	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
64	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
65	Fanconi anemia: from DNA repair to metabolism. <i>European Journal of Human Genetics</i> , 2018, 26, 475-476.	2.8	12
66	Hypomorphic FANCA mutations correlate with mild mitochondrial and clinical phenotype in Fanconi anemia. <i>Haematologica</i> , 2018, 103, 417-426.	3.5	26
67	Cancer cell metabolic plasticity allows resistance to NAMPT inhibition but invariably induces dependence on LDHA. <i>Cancer &amp; Metabolism</i> , 2018, 6, 1.	5.0	29
68	Extramitochondrial energy production in platelets. <i>Biology of the Cell</i> , 2018, 110, 97-108.	2.0	16
69	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
70	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
71	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
72	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

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73	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
74	Aerobic metabolism dysfunction as one of the links between Fanconi anemia-deficient pathway and the aggressive cell invasion in head and neck cancer cells. <i>Oral Oncology</i> , 2018, 87, 210-211.	1.5	5
75	A reversible carnitine palmitoyltransferase (CPT1) inhibitor offsets the proliferation of chronic lymphocytic leukemia cells. <i>Haematologica</i> , 2018, 103, e531-e536.	3.5	24
76	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
77	Abstract 3513: Curcumin induces a fatal energetic impairment by inhibiting ATP-synthase activity and decreasing ATP generation and oxygen consumption in vitro and in vivo tumor models. , 2018, , .		0
78	Abstract 4461: Sirt6 deletion slows mouse mammary tumorigenesis. , 2018, , .		0
79	Effects on Energy Metabolism of Two Guanidine Molecules, (Boc) <sub>2</sub> -Creatine and Metformin. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2700-2711.	2.6	4
80	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
81	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
82	Tracking protons from respiratory chain complexes to ATP synthase c-subunit: The critical role of serine and threonine residues. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 922-927.	2.1	2
83	Pharmacological Sirt6 inhibition improves glucose tolerance in a type 2 diabetes mouse model. <i>FASEB Journal</i> , 2017, 31, 3138-3149.	0.5	62
84	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
85	Glibenclamide Mimics Metabolic Effects of Metformin in H9c2 Cells. <i>Cellular Physiology and Biochemistry</i> , 2017, 43, 879-890.	1.6	13
86	Glutathione and the switch of aerobic metabolism collaborate for multi-drug resistance of neuroblastoma. <i>Free Radical Biology and Medicine</i> , 2017, 108, S69.	2.9	0
87	Short-pulse neodymium:yttrium-aluminum 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
88	Simultaneous Detection of Activity and Relative Molecular Mass of Adenylate Kinases After SDS-PAGE and Blotting. <i>Methods in Molecular Biology</i> , 2017, 1626, 169-178.	0.9	0
89	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
90	Why is an energy metabolic defect the common outcome in BMFS?. <i>Cell Cycle</i> , 2016, 15, 2571-2575.	2.6	3

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91	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
92	Fasting in combination with curcumin induces a fatal energy "black out" in tumor cells. <i>European Journal of Cancer</i> , 2016, 61, S92.	2.8	0
93	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
94	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
95	Evaluation of energy metabolism and calcium homeostasis in cells affected by Shwachman-Diamond syndrome. <i>Scientific Reports</i> , 2016, 6, 25441.	3.3	39
96	Two Na <sup>+</sup> Sites Control Conformational Change in a Neurotransmitter Transporter Homolog. <i>Journal of Biological Chemistry</i> , 2016, 291, 1456-1471.	3.4	65
97	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
98	Why do premature newborn infants display elevated blood adenosine levels?. <i>Medical Hypotheses</i> , 2016, 90, 53-56.	1.5	21
99	Human urinary exosome proteome unveils its aerobic respiratory ability. <i>Journal of Proteomics</i> , 2016, 136, 25-34.	2.4	27
100	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
101	Support of Nerve Conduction by Respiring Myelin Sheath: Role of Connexons. <i>Molecular Neurobiology</i> , 2016, 53, 2468-2479.	4.0	16
102	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
103	A Novel Approach to Analyzing Binding Data from Na <sup>+</sup> Driven Transporters: Beyond Non-Integer Hill Coefficients. <i>Biophysical Journal</i> , 2015, 108, 308a.	0.5	0
104	Effect of 808Ånm 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
105	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
106	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
107	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
108	IGF1 regulates PKM2 function through Akt phosphorylation. <i>Cell Cycle</i> , 2015, 14, 1559-1567.	2.6	42

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109	Dysregulated Ca <sup>2+</sup> Homeostasis in Fanconi anemia cells. <i>Scientific Reports</i> , 2015, 5, 8088.	3.3	15
110	Beyond non-integer Hill coefficients: A novel approach to analyzing binding data, applied to Na <sup>+</sup> -driven transporters. <i>Journal of General Physiology</i> , 2015, 145, 555-563.	1.9	17
111	The human urinary exosome as a potential metabolic effector cargo. <i>Expert Review of Proteomics</i> , 2015, 12, 425-432.	3.0	41
112	Inhibition of Metalloproteinase Activity in FANCA Is Linked to Altered Oxygen Metabolism. <i>Journal of Cellular Physiology</i> , 2015, 230, 603-609.	4.1	5
113	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
114	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
115	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
116	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
117	Metformin inhibits cell cycle progression of B-cell chronic lymphocytic leukemia cells. <i>Oncotarget</i> , 2015, 6, 22624-22640.	1.8	30
118	Role of myelin sheath energy metabolism in neurodegenerative diseases. <i>Neural Regeneration Research</i> , 2015, 10, 1570.	3.0	12
119	Shwachman-Diamond Syndrome: Energetic Stress, Calcium Homeostasis and mTOR Pathway. <i>Blood</i> , 2015, 126, 2410-2410.	1.4	0
120	Treatment of FANCA Cells with Resveratrol and N-Acetylcysteine: A Comparative Study. <i>PLoS ONE</i> , 2014, 9, e104857.	2.5	19
121	Effects of urea on the molecules involved in the olfactory signal transduction: a preliminary study on <i>Danio rerio</i> . <i>Fish Physiology and Biochemistry</i> , 2014, 40, 1793-1800.	2.3	5
122	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
123	Myelin proteomics: the past, the unexpected and the future. <i>Expert Review of Proteomics</i> , 2014, 11, 345-354.	3.0	10
124	Functional expression of electron transport chain complexes in mouse rod outer segments. <i>Biochimie</i> , 2014, 102, 78-82.	2.6	21
125	The Role of Sodium Sites in LeuT Conformational Changes. <i>Biophysical Journal</i> , 2014, 106, 228a-229a.	0.5	0
126	Abstract 3374: Fasting chemosensitizes tumor cells by affecting their metabolism. , 2014, , .		1



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127	Mitochondrial respiratory complex I defects in Fanconi anemia. Trends in Molecular Medicine, 2013, 19, 513-514.	6.7	39
128	Tricarboxylic acid cycle-sustained oxidative phosphorylation in isolated myelin vesicles. Biochimie, 2013, 95, 1991-1998.	2.6	43
129	New findings in ATP supply in rod outer segments: Insights for retinopathies. Biology of the Cell, 2013, 105, 345-358.	2.0	27
130	Hypothesis of Lipid-Phase-Continuity Proton Transfer for Aerobic ATP Synthesis. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1838-1842.	4.3	28
131	Are Rod Outer Segment ATP-ase and ATP-Synthase Activity Expression of the Same Protein?. Cellular and Molecular Neurobiology, 2013, 33, 637-649.	3.3	15
132	Mitochondrial respiratory chain Complex I defects in Fanconi anemia complementation group A. Biochimie, 2013, 95, 1828-1837.	2.6	55
133	Tubulin posttranslational modifications induced by cadmium in the sponge Clathrina clathrus. Aquatic Toxicology, 2013, 140-141, 98-105.	4.0	8
134	ELECTROPHORETIC SEPARATION OF PURIFIED MYELIN: A METHOD TO IMPROVE THE PROTEIN PATTERN RESOLVING. Preparative Biochemistry and Biotechnology, 2013, 43, 342-349.	1.9	2
135	Changes in vimentin, lamin A/C and mitofilin induce aberrant cell organization in fibroblasts from Fanconi anemia complementation group A (FA-A) patients. Biochimie, 2013, 95, 1838-1847.	2.6	17
136	An Externally Accessible Linker Region in the Sodium-Coupled Phosphate Transporter PiT-1 (SLC20A1) is Important for Transport Function. Cellular Physiology and Biochemistry, 2013, 32, 187-199.	1.6	12
137	Oxydative phosphorylation in sciatic nerve myelin and its impairment in a model of dysmyelinating peripheral neuropathy. Journal of Neurochemistry, 2013, 126, 82-92.	3.9	16
138	Functional expression of oxidative phosphorylation proteins in the rod outer segment disc. Cell Biochemistry and Function, 2013, 31, 532-538.	2.9	15
139	Direct inhibition of hexokinase activity by metformin at least partially impairs glucose metabolism and tumor growth in experimental breast cancer. Cell Cycle, 2013, 12, 3490-3499.	2.6	124
140	Metformin Impairs Glucose Consumption and Survival in Calu-1 Cells by Direct Inhibition of Hexokinase-II. Scientific Reports, 2013, 3, 2070.	3.3	100
141	Caveolin-1 is essential for metformin inhibitory effect on IGF1 action in non-small cell lung cancer cells. FASEB Journal, 2012, 26, 788-798.	0.5	64
142	Extra-mitochondrial aerobic metabolism in retinal rod outer segments: New perspectives in retinopathies. Medical Hypotheses, 2012, 78, 423-427.	1.5	37
143	Impairment of heme synthesis in myelin as potential trigger of multiple sclerosis. Medical Hypotheses, 2012, 78, 707-710.	1.5	12
144	A blue dive: from "blue fingers"™ to "blue silver"™. A comparative overview of staining methods for in-gel proteomics. Expert Review of Proteomics, 2012, 9, 627-634.	3.0	22

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145	Creatine ethyl ester: A new substrate for creatine kinase. <i>Molecular Biology</i> , 2012, 46, 149-152.	1.3	5
146	Extramitochondrial tricarboxylic acid cycle in retinal rod outer segments. <i>Biochimie</i> , 2011, 93, 1565-1575.	2.6	34
147	Myelin sheath: A new possible role in sleep mechanism. <i>Sleep Medicine</i> , 2011, 12, 199-199.	1.6	7
148	Detection of metals and polychlorobiphenyls and their correlation with detoxificant enzymes activity in <i>Dicentrarchus labrax</i> . <i>Journal of Biological Research (Italy)</i> , 2011, 84, .	0.1	0
149	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
150	A Novel Hypothesis About Mechanisms Affecting Conduction Velocity of Central Myelinated Fibers. <i>Neurochemical Research</i> , 2011, 36, 1732-1739.	3.3	17
151	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
152	Hypothesis of an Energetic Function for Myelin. <i>Cell Biochemistry and Biophysics</i> , 2011, 61, 179-187.	1.8	30
153	Inactivation of <i>Crotalus atrox</i> venom hemorrhagic activity by direct current exposure using hens' egg assay. <i>Journal of Biochemical and Molecular Toxicology</i> , 2011, 25, 377-381.	3.0	1
154	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
155	Catalytic properties of the retinal rod outer segment disk ADP-ribosyl cyclase. <i>Visual Neuroscience</i> , 2011, 28, 121-128.	1.0	4
156	“Proteomineering”™: has the mine been excavated?. <i>Expert Review of Proteomics</i> , 2011, 8, 443-445.	3.0	1
157	Proteomics unravels the exportability of mitochondrial respiratory chains. <i>Expert Review of Proteomics</i> , 2011, 8, 231-239.	3.0	53
158	Extremely low-frequency electromagnetic fields affect lipid-linked Carbonic anhydrase. <i>Electromagnetic Biology and Medicine</i> , 2011, 30, 67-73.	1.4	5
159	Re: Neurocognitive Functioning in Adult Survivors of Childhood Noncentral Nervous System Cancers. <i>Journal of the National Cancer Institute</i> , 2011, 103, 607-607.	6.3	1
160	Exportability of the mitochondrial oxidative phosphorylation machinery into myelin sheath. <i>Theoretical Biology Forum</i> , 2011, 104, 67-74.	0.2	1
161	Inhibition of Hemorrhagic Snake Venom Components: Old and New Approaches. <i>Toxins</i> , 2010, 2, 417-427.	3.4	35
162	First Evidence of a Leptin-Like Peptide in a Cartilaginous Fish. <i>Anatomical Record</i> , 2010, 293, 1692-1697.	1.4	7

#	ARTICLE	IF	CITATIONS
163	Sinusoidal ELF magnetic fields affect acetylcholinesterase activity in cerebellum synaptosomal membranes. <i>Bioelectromagnetics</i> , 2010, 31, 270-276.	1.6	31
164	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
165	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
166	Immunochemical or fluorescent labeling of vesicular subcellular fractions for microscopy imaging. <i>Microscopy Research and Technique</i> , 2010, 73, 1086-1090.	2.2	8
167	Oligomerization studies of <i>Leuconostoc mesenteroides</i> G6PD activity after SDS-PAGE and blotting. <i>Molecular Biology</i> , 2010, 44, 415-419.	1.3	4
168	Accelerated removal of deamidated proteins and endogenous electric fields: possible implications. <i>General Physiology and Biophysics</i> , 2010, 29, 302-308.	0.9	0
169	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
170	Imaging of living mammalian retina ex vivo by confocal laser scanning microscopy. <i>Analytical Methods</i> , 2010, 2, 1816.	2.7	4
171	Immunolocalisation of leptin in the digestive system of juvenile European sea bass ( <i>Dicentrarchus</i> ) Tj ETQq1 1 0.784314 rgBT <sub>4</sub> /Overlo 0.6		
172	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
173	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
174	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
175	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
176	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
177	First detection of neuropeptide Y (NPY)-like immunoreactivity in the lateral line: Presence and distribution in the neuromasts of the Antarctic notothenioid fish <i>Trematomus bernacchii</i> . <i>Neuroscience Letters</i> , 2009, 458, 37-42.	2.1	1
178	Proteomic Analysis of the Retinal Rod Outer Segment Disks. <i>Journal of Proteome Research</i> , 2008, 7, 2654-2669.	3.7	56
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	Localization of the Cyclic ADP-Ribose-Dependent Calcium Signaling Pathway in Bovine Rod Outer Segments. , 2007, 48, 978.		9
182	Expression of Adenylate Kinase 1 in Bovine Retinal Cytosol. Current Eye Research, 2007, 32, 249-257.	1.5	3
183	Confocal laser scanning microscopy of retinal rod outer segment intact disks: new labeling technique. Journal of Biomedical Optics, 2007, 12, 050501.	2.6	14
184	Deciphering PiT transport kinetics and substrate specificity using electrophysiology and flux measurements. American Journal of Physiology - Cell Physiology, 2007, 293, C606-C620.	4.6	96
185	Inactivation of phospholipase A2 and metalloproteinase from <i>Crotalus atrox</i> venom by direct current. Journal of Biochemical and Molecular Toxicology, 2007, 21, 7-12.	3.0	11
186	Simultaneous detection of molecular weight and activity of adenylate kinases after electrophoretic separation. Electrophoresis, 2007, 28, 291-300.	2.4	18
187	First Cell Cycles of Sea Urchin <i>Paracentrotus lividus</i> Are Dramatically Impaired by Exposure to Extremely Low-Frequency Electromagnetic Field. Biology of Reproduction, 2006, 75, 948-953.	2.7	15
188	Effects of extremely low frequency electromagnetic fields on membrane-associated enzymes. Archives of Biochemistry and Biophysics, 2005, 441, 191-198.	3.0	38
189	Effects of extremely low frequency electromagnetic fields on the adenylate kinase activity of rod outer segment of bovine retina. Bioelectromagnetics, 2004, 25, 545-551.	1.6	11
190	Electromagnetic field of extremely low frequency decreased adenylate kinase activity in retinal rod outer segment membranes. Bioelectrochemistry, 2004, 63, 317-320.	4.6	18
191	A new protocol for live imaging of mammalian retina ex vivo by confocal laser scanning microscopy. Protocol Exchange, 0, , .	0.3	1