

# Rafael Moreno-Sanchez

## List of Publications by Year in descending order

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207  
papers

10,557  
citations

36203

51  
h-index

39575

94  
g-index

213  
all docs

213  
docs citations

213  
times ranked

12743  
citing authors

#	ARTICLE	IF	CITATIONS
1	Celecoxib and Dimethylcelecoxib Block Oxidative Phosphorylation, Epithelial-Mesenchymal Transition and Invasiveness in Breast Cancer Stem Cells. <i>Current Medicinal Chemistry</i> , 2022, 29, 2719-2735.	1.2	3
2	The essential role of mitochondria in the consumption of waste-organic matter and production of metabolites of biotechnological interest in <i>Euglena gracilis</i> . <i>Algal Research</i> , 2021, 56, 102302.	2.4	3
3	Acetate Promotes a Differential Energy Metabolic Response in Human HCT 116 and COLO 205 Colon Cancer Cells Impacting Cancer Cell Growth and Invasiveness. <i>Frontiers in Oncology</i> , 2021, 11, 697408.	1.3	7
4	Microaerophilia enhances heavy metal biosorption and internal binding by polyphosphates in photosynthetic <i>Euglena gracilis</i> . <i>Algal Research</i> , 2021, 58, 102384.	2.4	4
5	Regulatory role of acetylation on enzyme activity and fluxes of energy metabolism pathways. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 130021.	1.1	6
6	Protein acetylation effects on enzyme activity and metabolic pathway fluxes. <i>Journal of Cellular Biochemistry</i> , 2021, , .	1.2	4
7	The intracellular water volume modulates the accumulation of cadmium in <i>Euglena gracilis</i> . <i>Algal Research</i> , 2020, 46, 101774.	2.4	3
8	Editorial: Metabolic Plasticity of Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 599723.	1.3	1
9	Kinetic modeling of glucose central metabolism in hepatocytes and hepatoma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129687.	1.1	9
10	Non-Steroidal Anti-Inflammatory Drugs Increase Cisplatin, Paclitaxel, and Doxorubicin Efficacy against Human Cervix Cancer Cells. <i>Pharmaceuticals</i> , 2020, 13, 463.	1.7	25
11	Mapping the metal-catalytic site of a zinc-activated phytochelatin synthase. <i>Algal Research</i> , 2020, 47, 101890.	2.4	7
12	Physiological Role of Glutamate Dehydrogenase in Cancer Cells. <i>Frontiers in Oncology</i> , 2020, 10, 429.	1.3	16
13	Metabolic Control Analysis for Drug Target Prioritization in Trypanosomatids. <i>Methods in Molecular Biology</i> , 2020, 2116, 689-718.	0.4	3
14	Transcriptional Regulation of Energy Metabolism in Cancer Cells. <i>Cells</i> , 2019, 8, 1225.	1.8	37
15	Marine Archaeon <i>Methanosarcina acetivorans</i> Enhances Polyphosphate Metabolism Under Persistent Cadmium Stress. <i>Frontiers in Microbiology</i> , 2019, 10, 2432.	1.5	13
16	FruBPase II and ADP-PFK1 are involved in the modulation of carbon flow in the metabolism of carbohydrates in <i>Methanosarcina acetivorans</i> . <i>Archives of Biochemistry and Biophysics</i> , 2019, 669, 39-49.	1.4	1
17	Gamma-glutamylcysteine synthetase and tryparedoxin 1 exert high control on the antioxidant system in <i>Trypanosoma cruzi</i> contributing to drug resistance and infectivity. <i>Redox Biology</i> , 2019, 26, 101231.	3.9	22
18	Repurposing drugs as pro-oxidant redox modifiers to eliminate cancer stem cells and improve the treatment of advanced stage cancers. <i>Medicinal Research Reviews</i> , 2019, 39, 2397-2426.	5.0	26

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19	Oxidized ATM protein kinase is a new signal transduction player that regulates glycolysis in CAFs as well as tumor growth and metastasis. <i>EBioMedicine</i> , 2019, 41, 24-25.	2.7	4
20	Resveratrol inhibits cancer cell proliferation by impairing oxidative phosphorylation and inducing oxidative stress. <i>Toxicology and Applied Pharmacology</i> , 2019, 370, 65-77.	1.3	65
21	Control and regulation of the pyrophosphate-dependent glucose metabolism in <i>Entamoeba histolytica</i> . <i>Molecular and Biochemical Parasitology</i> , 2019, 229, 75-87.	0.5	23
22	Mutant p53 <sup>R248Q</sup> downregulates oxidative phosphorylation and upregulates glycolysis under normoxia and hypoxia in human cervix cancer cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 5524-5536.	2.0	24
23	Drug Target Selection for <i>Trypanosoma cruzi</i> Metabolism by Metabolic Control Analysis and Kinetic Modeling. <i>Current Medicinal Chemistry</i> , 2019, 26, 6652-6671.	1.2	11
24	Role of Aldehyde Dehydrogenases in Physiopathological Processes. <i>Chemical Research in Toxicology</i> , 2019, 32, 405-420.	1.7	35
25	Nickel accumulation by the green algae-like <i>Euglena gracilis</i> . <i>Journal of Hazardous Materials</i> , 2018, 343, 10-18.	6.5	31
26	Celecoxib inhibits mitochondrial O <sub>2</sub> consumption, promoting ROS dependent death of murine and human metastatic cancer cells via the apoptotic signalling pathway. <i>Biochemical Pharmacology</i> , 2018, 154, 318-334.	2.0	51
27	Control of the NADPH supply and GSH recycling for oxidative stress management in hepatoma and liver mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 1138-1150.	0.5	31
28	Energy Metabolism Drugs Block Triple Negative Breast Metastatic Cancer Cell Phenotype. <i>Molecular Pharmaceutics</i> , 2018, 15, 2151-2164.	2.3	34
29	Biochemistry and Physiology of Heavy Metal Resistance and Accumulation in <i>Euglena</i> . <i>Advances in Experimental Medicine and Biology</i> , 2017, 979, 91-121.	0.8	33
30	Control of the NADPH supply for oxidative stress handling in cancer cells. <i>Free Radical Biology and Medicine</i> , 2017, 112, 149-161.	1.3	39
31	Buthionine sulfoximine is a multitarget inhibitor of trypanothione synthesis in <i>Trypanosoma cruzi</i> . <i>FEBS Letters</i> , 2017, 591, 3881-3894.	1.3	12
32	HPI/AMF inhibition halts the development of the aggressive phenotype of breast cancer stem cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1679-1690.	1.9	12
33	Assessment of the low inhibitory specificity of oxamate, aminoxyacetate and dichloroacetate on cancer energy metabolism. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3221-3236.	1.1	28
34	Hypoglycemia Enhances Epithelial-Mesenchymal Transition and Invasiveness, and Restrains the Warburg Phenotype, in Hypoxic HeLa Cell Cultures and Microspheroids. <i>Journal of Cellular Physiology</i> , 2017, 232, 1346-1359.	2.0	36
35	Inhibition of Non-flux-controlling Enzymes Deters Cancer Glycolysis by Accumulation of Regulatory Metabolites of Controlling Steps. <i>Frontiers in Physiology</i> , 2016, 7, 412.	1.3	9
36	Bio-recovery of non-essential heavy metals by intra- and extracellular mechanisms in free-living microorganisms. <i>Biotechnology Advances</i> , 2016, 34, 859-873.	6.0	111

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37	Understanding the cancer cell phenotype beyond the limitations of current omics analyses. FEBS Journal, 2016, 283, 54-73.	2.2	38
38	Roles of acetyl-CoA synthetase (ADP-forming) and acetate kinase (PPi-forming) in ATP and PPi supply in Entamoeba histolytica. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1163-1172.	1.1	10
39	Accumulation of zinc protects against cadmium stress in photosynthetic Euglena gracilis. Environmental and Experimental Botany, 2016, 131, 19-31.	2.0	24
40	The nutritional status of <i>Methanosarcina acetivorans</i> regulates glycogen metabolism and gluconeogenesis and glycolysis fluxes. FEBS Journal, 2016, 283, 1979-1999.	2.2	38
41	Air-Adapted Methanosarcina acetivorans Shows High Methane Production and Develops Resistance against Oxygen Stress. PLoS ONE, 2015, 10, e0117331.	1.1	45
42	Dual regulation of energy metabolism by p53 in human cervix and breast cancer cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 3266-3278.	1.9	35
43	Cadmium removal by Euglena gracilis is enhanced under anaerobic growth conditions. Journal of Hazardous Materials, 2015, 288, 104-112.	6.5	32
44	<i>In vivo</i> identification of the steps that control energy metabolism and survival of <i>Entamoeba histolytica</i> . FEBS Journal, 2015, 282, 318-331.	2.2	17
45	Mitochondrial free fatty acid $\beta$ -oxidation supports oxidative phosphorylation and proliferation in cancer cells. International Journal of Biochemistry and Cell Biology, 2015, 65, 209-221.	1.2	55
46	Hitting the Bull's-Eye in Metastatic Cancers: NSAIDs Elevate ROS in Mitochondria, Inducing Malignant Cell Death. Pharmaceuticals, 2015, 8, 62-106.	1.7	37
47	Metabolic control analysis of the Trypanosoma cruzi peroxide detoxification pathway identifies trypanothione as a suitable drug target. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 263-273.	1.1	25
48	Glucose Metabolism and Its Controlling Mechanisms in Entamoeba histolytica. , 2015, , 351-372.		2
49	Abstract B87: Prolyl hydroxylase and the regulation of reactive oxygen species (ROS) levels in cancer cells. , 2015, , .		0
50	Systems Biology Approaches to Cancer Energy Metabolism. Springer Series in Biophysics, 2014, , 213-239.	0.4	3
51	Who controls the ATP supply in cancer cells? Biochemistry lessons to understand cancer energy metabolism. International Journal of Biochemistry and Cell Biology, 2014, 50, 10-23.	1.2	158
52	GPI/AMF inhibition blocks the development of the metastatic phenotype of mature multi-cellular tumor spheroids. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1043-1053.	1.9	23
53	Zn-bis-glutathione is the best co-substrate of the monomeric phytochelatin synthase from the photosynthetic heavy metal-hyperaccumulator Euglena gracilis. Metallomics, 2014, 6, 604.	1.0	13
54	Modeling cancer glycolysis under hypoglycemia, and the role played by the differential expression of glycolytic isoforms. FEBS Journal, 2014, 281, 3325-3345.	2.2	55

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55	Canonical and new generation anticancer drugs also target energy metabolism. Archives of Toxicology, 2014, 88, 1327-1350.	1.9	24
56	Identification of a metabolic and canonical biomarker signature in Mexican HR+/HER2 <sup>+</sup> , triple positive and triple-negative breast cancer patients. International Journal of Oncology, 2014, 45, 2549-2559.	1.4	5
57	Isolation and characterization of gallium resistant Pseudomonas aeruginosa mutants. International Journal of Medical Microbiology, 2013, 303, 574-582.	1.5	57
58	C <sup>2+</sup> resistance mechanisms in M <sup>+</sup> ethanosarcina acetivorans involve the increase in the coenzyme M content and induction of biofilm synthesis. Environmental Microbiology Reports, 2013, 5, 799-808.	1.0	32
59	HIF expression and the role of hypoxic microenvironments within primary tumours as protective sites driving cancer stem cell renewal and metastatic progression. Carcinogenesis, 2013, 34, 1699-1707.	1.3	153
60	Anti-mitochondrial therapy in human breast cancer multi-cellular spheroids. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 541-551.	1.9	52
61	Reactive oxygen species are generated by the respiratory complex II “evidence for lack of contribution of the reverse electron flow in complex I”. FEBS Journal, 2013, 280, 927-938.	2.2	60
62	Accumulation of arsenic, lead, copper, and zinc, and synthesis of phytochelatins by indigenous plants of a mining impacted area. Environmental Science and Pollution Research, 2013, 20, 3946-3955.	2.7	27
63	The bifunctional aldehyde alcohol dehydrogenase controls ethanol and acetate production in Entamoeba histolytica under aerobic conditions. FEBS Letters, 2013, 587, 178-184.	1.3	23
64	The oxoglutarate supply exerts significant control on the lysine synthesis flux in S <sup>+</sup> accharomyces cerevisiae. FEBS Journal, 2013, 280, 5737-5749.	2.2	5
65	Editorial (Hot Topic: The Bioenergetics of Cancer, the Warburg Hypothesis and the Mitochondrial) Tj ETQq1 1 0.784314 rgBT <sub>2</sub> /Overload	0.9	0
66	Metabolic Control Theory. , 2013, , 1239-1243.		2
67	Metabolic Control Analysis, Drug-Target Identification. , 2013, , 1234-1239.		1
68	Summation Theorem. , 2013, , 2028-2028.		0
69	Regulation Analysis. , 2013, , 1833-1833.		0
70	Connectivity Theorem. , 2013, , 486-486.		0
71	Rate-limiting Step. , 2013, , 1816-1816.		0
72	Response Coefficient. , 2013, , 1852-1852.		0

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73	Concentration Control Coefficient. , 2013, , 483-483.		0
74	Elasticity Coefficient. , 2013, , 649-649.		0
75	Flux Control Coefficient. , 2013, , 752-752.		0
76	Phosphofructokinase type 1 kinetics, isoform expression, and gene polymorphisms in cancer cells. Journal of Cellular Biochemistry, 2012, 113, 1692-1703.	1.2	48
77	Early carbon mobilization and radicle protrusion in maize germination. Journal of Experimental Botany, 2012, 63, 4513-4526.	2.4	38
78	Molecular mechanism for the selective impairment of cancer mitochondrial function by a mitochondrially targeted vitamin E analogue. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1597-1607.	0.5	32
79	Casiopeina II-gly and bromo-pyruvate inhibition of tumor hexokinase, glycolysis, and oxidative phosphorylation. Archives of Toxicology, 2012, 86, 753-766.	1.9	33
80	Sulfate uptake in photosynthetic <i>Euglena gracilis</i> . Mechanisms of regulation and contribution to cysteine homeostasis. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1567-1575.	1.1	21
81	Activation of Methanogenesis by Cadmium in the Marine Archaeon <i>Methanosarcina acetivorans</i> . PLoS ONE, 2012, 7, e48779.	1.1	33
82	Emergence of the silicon human and network targeting drugs. European Journal of Pharmaceutical Sciences, 2012, 46, 190-197.	1.9	32
83	Drug target validation of the trypanothione pathway enzymes through metabolic modelling. FEBS Journal, 2012, 279, 1811-1833.	2.2	51
84	The Lys20 homocitrate synthase isoform exerts most of the flux control over the lysine synthesis pathway in <i>Saccharomyces cerevisiae</i> . Molecular Microbiology, 2011, 82, 578-590.	1.2	11
85	Removal, accumulation and resistance to chromium in heterotrophic <i>Euglena gracilis</i> . Journal of Hazardous Materials, 2011, 193, 216-224.	6.5	29
86	Modeling cancer glycolysis. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 755-767.	0.5	115
87	Novel mitochondrial alcohol metabolizing enzymes of <i>Euglena gracilis</i> . Journal of Bioenergetics and Biomembranes, 2011, 43, 519-530.	1.0	15
88	Inhibitors of Succinate: Quinone Reductase/Complex II Regulate Production of Mitochondrial Reactive Oxygen Species and Protect Normal Cells from Ischemic Damage but Induce Specific Cancer Cell Death. Pharmaceutical Research, 2011, 28, 2695-2730.	1.7	108
89	Enhanced Tolerance to Mercury in a Streptomycin-Resistant Strain of <i>Euglena gracilis</i> . Water, Air, and Soil Pollution, 2011, 216, 51-57.	1.1	3
90	Multi-biomarker pattern for tumor identification and prognosis. Journal of Cellular Biochemistry, 2011, 112, 2703-2715.	1.2	25

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91	Oxidative Phosphorylation as a Target to Arrest Malignant Neoplasias. <i>Current Medicinal Chemistry</i> , 2011, 18, 3156-3167.	1.2	33
92	Mitochondrial Targeting of Vitamin E Succinate Enhances Its Pro-apoptotic and Anti-cancer Activity via Mitochondrial Complex II. <i>Journal of Biological Chemistry</i> , 2011, 286, 3717-3728.	1.6	171
93	Pyruvate:ferredoxin oxidoreductase and bifunctional aldehyde-alcohol dehydrogenase are essential for energy metabolism under oxidative stress in <i>Entamoeba histolytica</i> . <i>FEBS Journal</i> , 2010, 277, 3382-3395.	2.2	46
94	Increased synthesis of $\alpha$ -tocopherol, paramylon and tyrosine by <i>Euglena gracilis</i> under conditions of high biomass production. <i>Journal of Applied Microbiology</i> , 2010, 109, 2160-2172.	1.4	106
95	Metabolic control analysis indicates a change of strategy in the treatment of cancer. <i>Mitochondrion</i> , 2010, 10, 626-639.	1.6	77
96	Bioenergetic pathways in tumor mitochondria as targets for cancer therapy and the importance of the ROS-induced apoptotic trigger. <i>Molecular Aspects of Medicine</i> , 2010, 31, 29-59.	2.7	146
97	The causes of cancer revisited: Mitochondrial malignancy and ROS-induced oncogenic transformation Why mitochondria are targets for cancer therapy. <i>Molecular Aspects of Medicine</i> , 2010, 31, 145-170.	2.7	299
98	Oxidative phosphorylation is impaired by prolonged hypoxia in breast and possibly in cervix carcinoma. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1744-1751.	1.2	117
99	Toxic effects of Cr(VI) and Cr(III) on energy metabolism of heterotrophic <i>Euglena gracilis</i> . <i>Aquatic Toxicology</i> , 2010, 100, 329-338.	1.9	32
100	Targeting Trypanothione Metabolism in Trypanosomatid Human Parasites. <i>Current Drug Targets</i> , 2010, 11, 1614-1630.	1.0	49
101	HIF-1 $\alpha$ ; Modulates Energy Metabolism in Cancer Cells by Inducing Over-Expression of Specific Glycolytic Isoforms. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 1084-1101.	1.1	391
102	Suppression of Tumor Growth <i>In vivo</i> by the Mitocan $\alpha$ -tocopheryl Succinate Requires Respiratory Complex II. <i>Clinical Cancer Research</i> , 2009, 15, 1593-1600.	3.2	125
103	Short-Chain Chromate Ion Transporter Proteins from <i>Bacillus subtilis</i> Confer Chromate Resistance in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2009, 191, 5441-5445.	1.0	23
104	NF $\kappa$ B is required for the development of tumor spheroids. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 169-180.	1.2	25
105	Kinetics of transport and phosphorylation of glucose in cancer cells. <i>Journal of Cellular Physiology</i> , 2009, 221, 552-559.	2.0	83
106	Targeting of cancer energy metabolism. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 29-48.	1.5	105
107	Chromium uptake, retention and reduction in photosynthetic <i>Euglena gracilis</i> . <i>Archives of Microbiology</i> , 2009, 191, 431-440.	1.0	28
108	Molecular basis of the unusual catalytic preference for GDP/GTP in <i>Entamoeba histolytica</i> $\alpha$ -phosphoglycerate kinase. <i>FEBS Journal</i> , 2009, 276, 2037-2047.	2.2	10

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109	The bioenergetics of cancer: Is glycolysis the main ATP supplier in all tumor cells?. <i>BioFactors</i> , 2009, 35, 209-225.	2.6	116
110	The Pb-hyperaccumulator aquatic fern <i>Salvinia minima</i> Baker, responds to Pb <sup>2+</sup> by increasing phytochelatins via changes in SmPCS expression and in phytochelatin synthase activity. <i>Aquatic Toxicology</i> , 2009, 91, 320-328.	1.9	86
111	Enhanced alternative oxidase and antioxidant enzymes under Cd <sup>2+</sup> stress in <i>Euglena</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 2008, 40, 227-235.	1.0	35
112	Energy metabolism transition in multi-cellular human tumor spheroids. <i>Journal of Cellular Physiology</i> , 2008, 216, 189-197.	2.0	121
113	Glycolysis in <i>Ustilago maydis</i> . <i>FEMS Yeast Research</i> , 2008, 8, 1313-1323.	1.1	20
114	Experimental validation of metabolic pathway modeling. <i>FEBS Journal</i> , 2008, 275, 3454-3469.	2.2	29
115	Gene Cloning and Biochemical Characterization of an Alcohol Dehydrogenase from <i>Euglena gracilis</i> . <i>Journal of Eukaryotic Microbiology</i> , 2008, 55, 554-561.	0.8	5
116	Thiol peptides induction in the seagrass <i>Thalassia testudinum</i> (Banks ex K�nig) in response to cadmium exposure. <i>Aquatic Toxicology</i> , 2008, 86, 12-19.	1.9	20
117	Metabolic Control Analysis: A Tool for Designing Strategies to Manipulate Metabolic Pathways. <i>Journal of Biomedicine and Biotechnology</i> , 2008, 2008, 1-30.	3.0	160
118	Cell wall composition affects Cd <sup>2+</sup> accumulation and intracellular thiol peptides in marine red algae. <i>Aquatic Toxicology</i> , 2007, 81, 65-72.	1.9	46
119	Energy metabolism in tumor cells. <i>FEBS Journal</i> , 2007, 274, 1393-1418.	2.2	873
120	Kinetic modeling can describe <i>in vivo</i> glycolysis in <i>Entamoeba histolytica</i> . <i>FEBS Journal</i> , 2007, 274, 4922-4940.	2.2	41
121	Molecular mechanisms of resistance to heavy metals in the protist <i>Euglena gracilis</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1365-1378.	0.9	36
122	Induction of CYP1A1 and CYP2E1 in rat liver by histamine: binding and kinetic studies. <i>Archives of Toxicology</i> , 2007, 81, 697-709.	1.9	8
123	Phosphorylation of the spinach chloroplast 24 kDa RNA-binding protein (24RNP) increases its binding to psbA untranslated regions. <i>Biochimie</i> , 2006, 88, 1217-1228.	1.3	17
124	Determining and understanding the control of glycolysis in fast-growth tumor cells. <i>FEBS Journal</i> , 2006, 273, 1975-1988.	2.2	168
125	Phytochelatin-cadmium-sulfide high-molecular-mass complexes of <i>Euglena gracilis</i> . <i>FEBS Journal</i> , 2006, 273, 5703-5713.	2.2	34
126	Characterization of an Aldehyde Dehydrogenase from <i>Euglena gracilis</i> . <i>Journal of Eukaryotic Microbiology</i> , 2006, 53, 36-42.	0.8	26



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127	Control of glutathione and phytochelatin synthesis under cadmium stress. Pathway modeling for plants. <i>Journal of Theoretical Biology</i> , 2006, 238, 919-936.	0.8	111
128	Simultaneous Cd <sup>2+</sup> , Zn <sup>2+</sup> , and Pb <sup>2+</sup> Uptake and Accumulation by Photosynthetic <i>Euglena gracilis</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2006, 51, 521-528.	2.1	34
129	A web-based multimedia spatial information system to document <i>Aedes aegypti</i> breeding sites and dengue fever risk along the US-Mexico border. <i>Health and Place</i> , 2006, 12, 715-727.	1.5	27
130	Cardiotoxicity of copper-based antineoplastic drugs casiopeinas is related to inhibition of energy metabolism. <i>Toxicology and Applied Pharmacology</i> , 2006, 212, 79-88.	1.3	53
131	Control of cellular proliferation by modulation of oxidative phosphorylation in human and rodent fast-growing tumor cells. <i>Toxicology and Applied Pharmacology</i> , 2006, 215, 208-217.	1.3	102
132	Glycolysis in <i>Entamoeba histolytica</i> . <i>FEBS Journal</i> , 2005, 272, 1767-1783.	2.2	113
133	Time-course development of the Cd <sup>2+</sup> hyper-accumulating phenotype in <i>Euglena gracilis</i> . <i>Archives of Microbiology</i> , 2005, 184, 83-92.	1.0	16
134	Sulfur assimilation and glutathione metabolism under cadmium stress in yeast, protists and plants. <i>FEMS Microbiology Reviews</i> , 2005, 29, 653-671.	3.9	364
135	Cd <sup>2+</sup> transport and storage in the chloroplast of <i>Euglena gracilis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1706, 88-97.	0.5	58
136	The bacterial-like lactate shuttle components from heterotrophic <i>Euglena gracilis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1709, 181-190.	0.5	18
137	Structural and functional changes in heart mitochondria from sucrose-fed hypertriglyceridemic rats. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1709, 231-239.	0.5	14
138	Physiological role of rhodoquinone in <i>Euglena gracilis</i> mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1710, 113-121.	0.5	24
139	Mitochondrial Bound Hexokinase Activity as a Preventive Antioxidant Defense. <i>Journal of Biological Chemistry</i> , 2004, 279, 39846-39855.	1.6	245
140	Kinetic Mechanism and Metabolic Role of Pyruvate Phosphate Dikinase from <i>Entamoeba histolytica</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 54124-54130.	1.6	24
141	<i>Entamoeba histolytica</i> : kinetic and molecular evidence of a previously unidentified pyruvate kinase. <i>Experimental Parasitology</i> , 2004, 106, 11-21.	0.5	20
142	The Alternative Respiratory Pathway of <i>Euglena</i> Mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2004, 36, 459-469.	1.0	27
143	Control of superoxide production in mitochondria from maize mesocotyls. <i>FEBS Letters</i> , 2004, 570, 52-56.	1.3	23
144	Impairment of glucose metabolism and energy transfer in the hypertriglyceridemic rat heart. <i>Molecular and Cellular Biochemistry</i> , 2003, 249, 157-165.	1.4	9

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145	Mercury pretreatment selects an enhanced cadmium-accumulating phenotype in <i>Euglena gracilis</i> . <i>Archives of Microbiology</i> , 2003, 180, 1-10.	1.0	65
146	Toxic effects of copper-based antineoplastic drugs (Casiopinas®) on mitochondrial functions. <i>Biochemical Pharmacology</i> , 2003, 65, 1979-1989.	2.0	110
147	Heart Metabolic Disturbances in Cardiovascular Diseases. <i>Archives of Medical Research</i> , 2003, 34, 89-99.	1.5	124
148	Cytosol-mitochondria transfer of reducing equivalents by a lactate shuttle in heterotrophic <i>Euglena</i> . <i>FEBS Journal</i> , 2003, 270, 4942-4951.	0.2	24
149	Building Web-Based Spatial Information Solutions around Open Specifications and Open Source Software. <i>Transactions in GIS</i> , 2003, 7, 447-466.	1.0	65
150	Impairment of glucose metabolism and energy transfer in the rat heart. , 2003, , 157-165.		7
151	Impairment of glucose metabolism and energy transfer in the rat heart. <i>Molecular and Cellular Biochemistry</i> , 2003, 249, 157-65.	1.4	6
152	Tight Binding of Inhibitors to Bovine bc1Complex Is Independent of the Rieske Protein Redox State. <i>Journal of Biological Chemistry</i> , 2002, 277, 48449-48455.	1.6	13
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