

# Vida Mildaziene

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,309  
citations

394421

19  
h-index

345221

36  
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42  
all docs

42  
docs citations

42  
times ranked

1282  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dependence of H <sub>2</sub> O <sub>2</sub> formation by rat heart mitochondria on substrate availability and donor age. <i>Journal of Bioenergetics and Biomembranes</i> , 1997, 29, 89-95.	2.3	403
2	Treatment of Common Sunflower ( <i>Helianthus annuus</i> L.) Seeds with Radio-frequency Electromagnetic Field and Cold Plasma Induces Changes in Seed Phytohormone Balance, Seedling Development and Leaf Protein Expression. <i>Scientific Reports</i> , 2019, 9, 6437.	3.3	93
3	Control and kinetic analysis of ischemia-damaged heart mitochondria: which parts of the oxidative phosphorylation system are affected by ischemia?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1995, 1272, 154-158.	3.8	88
4	Pre-sowing seed treatment with cold plasma and electromagnetic field increases secondary metabolite content in purple coneflower ( <i>Echinacea purpurea</i> ) leaves. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700059.	3.0	53
5	Ca <sup>2+</sup> stimulates both the respiratory and phosphorylation subsystems in rat heart mitochondria. <i>Biochemical Journal</i> , 1996, 320, 329-334.	3.7	52
6	Changes in Norway spruce germination and growth induced by pre-sowing seed treatment with cold plasma and electromagnetic field: Short-term versus long-term effects. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700068.	3.0	45
7	Calcium Indirectly Increases the Control Exerted by the Adenine Nucleotide Translocator over 2-Oxoglutarate Oxidation in Rat Heart Mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1995, 324, 130-134.	3.0	44
8	Acute temperature resistance threshold in heart mitochondria: Febrile temperature activates function but exceeding it collapses the membrane barrier. <i>International Journal of Hyperthermia</i> , 2010, 26, 56-66.	2.5	39
9	Multiple Effects of 2,2',5,5'-Tetrachlorobiphenyl on Oxidative Phosphorylation in Rat Liver Mitochondria. <i>Toxicological Sciences</i> , 2002, 65, 220-227.	3.1	38
10	Response of perennial woody plants to seed treatment by electromagnetic field and low-temperature plasma. <i>Bioelectromagnetics</i> , 2016, 37, 536-548.	1.6	37
11	Kinetics and control of oxidative phosphorylation in rat liver mitochondria after chronic ethanol feeding. <i>Biochemical Journal</i> , 2000, 349, 519-526.	3.7	34
12	Biochemical and Physiological Plant Processes Affected by Seed Treatment with Non-Thermal Plasma. <i>Plants</i> , 2022, 11, 856.	3.5	32
13	Relationship between cold plasma treatment-induced changes in radish seed germination and phytohormone balance. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SH1001.	1.5	30
14	Dielectric barrier discharge plasma treatment-induced changes in sunflower seed germination, phytohormone balance, and seedling growth. <i>Applied Physics Express</i> , 2019, 12, 126003.	2.4	28
15	Impact of seed color and storage time on the radish seed germination and sprout growth in plasma agriculture. <i>Scientific Reports</i> , 2021, 11, 2539.	3.3	28
16	Changes in Agricultural Performance of Common Buckwheat Induced by Seed Treatment with Cold Plasma and Electromagnetic Field. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4391.	2.5	25
17	Kinetics and control of oxidative phosphorylation in rat liver mitochondria after chronic ethanol feeding. <i>Biochemical Journal</i> , 2000, 349, 519.	3.7	22
18	Modular kinetic analysis reveals differences in Cd <sup>2+</sup> and Cu <sup>2+</sup> ion-induced impairment of oxidative phosphorylation in liver. <i>FEBS Journal</i> , 2009, 276, 3656-3668.	4.7	20

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19	Cold Plasma Treatment of Sunflower Seeds Modulates Plant-Associated Microbiome and Stimulates Root and Lateral Organ Growth. <i>Frontiers in Plant Science</i> , 2020, 11, 568924.	3.6	20
20	Impact of radish sprouts seeds coat color on the electron paramagnetic resonance signals after plasma treatment. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SHHF01.	1.5	20
21	Seed treatment with cold plasma and electromagnetic field induces changes in red clover root growth dynamics, flavonoid exudation, and activates nodulation. <i>Plasma Processes and Polymers</i> , 2021, 18, .	3.0	17
22	The function of ATP/ADP translocator in the regulation of mitochondrial respiration during development of heart ischemic injury. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1142, 175-180.	1.0	15
23	Effect of seed treatment with cold plasma and electromagnetic field on red clover germination, growth and content of major isoflavones. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 264001.	2.8	13
24	Hyperthermia Differently Affects Connexin43 Expression and Gap Junction Permeability in Skeletal Myoblasts and HeLa Cells. <i>Mediators of Inflammation</i> , 2014, 2014, 1-16.	3.0	12
25	Changes in Growth and Production of Non-Psychotropic Cannabinoids Induced by Pre-Sowing Treatment of Hemp Seeds with Cold Plasma, Vacuum and Electromagnetic Field. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8519.	2.5	11
26	Long-term response of Norway spruce to seed treatment with cold plasma: Dependence of the effects on the genotype. <i>Plasma Processes and Polymers</i> , 2021, 18, 2000159.	3.0	11
27	The Potential of Cold Plasma and Electromagnetic Field as Stimulators of Natural Sweeteners Biosynthesis in <i>Stevia rebaudiana</i> Bertoni. <i>Plants</i> , 2022, 11, 611.	3.5	10
28	The Effects of Red Clover Seed Treatment with Cold Plasma and Electromagnetic Field on Germination and Seedling Growth Are Dependent on Seed Color. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4676.	2.5	9
29	Hyperthermia potentiates cisplatin cytotoxicity and negative effects on mitochondrial functions in OVCAR-3 cells. <i>Journal of Bioenergetics and Biomembranes</i> , 2019, 51, 301-310.	2.3	8
30	Analysis of effects of 2,2',5,5'-tetrachlorobiphenyl on the flux control in oxidative phosphorylation system in rat liver mitochondria. <i>Molecular Biology Reports</i> , 2002, 29, 35-40.	2.3	7
31	Contribution of mitochondria to injury of hepatocytes and liver tissue by hyperthermia. <i>Medicina (Lithuania)</i> , 2017, 53, 40-49.	2.0	7
32	Mitochondrial membrane barrier function as a target of hyperthermia. <i>Medicina (Lithuania)</i> , 2012, 48, 249-55.	2.0	7
33	Effects of Non-Thermal Plasma Treatment on Plant Physiological and Biochemical Processes. <i>Plants</i> , 2022, 11, 1018.	3.5	7
34	Mitochondrial Membrane Barrier Function as a Target of Hyperthermia. <i>Medicina (Lithuania)</i> , 2012, 48, 36.	2.0	6
35	Tetraphenylphosphonium inhibits oxidation of physiological substrates in heart mitochondria. <i>Molecular and Cellular Biochemistry</i> , 1997, 174, 67-70.	3.1	5
36	Tubular mitochondrial alterations in neonatal rats subjected to RAS inhibition. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F1260-F1269.	2.7	5

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37	Differential scanning calorimetry (DSC) analysis of isolated liver and heart mitochondria. <i>Biologija</i> (Vilnius, Lithuania), 2008, 54, 167-170.	0.2	2
38	Impact of Gender and Age on Hyperthermia-Induced Changes in Respiration of Liver Mitochondria. <i>Medicina</i> (Lithuania), 2018, 54, 62.	2.0	2
39	Differentiation-related changes in myogenic stem cells. <i>Biologija</i> (Vilnius, Lithuania), 2010, 56, 55-62.	0.2	1
40	Gender-dependence of hyperthermia-induced changes in respiration of rat liver mitochondria. <i>Biologija</i> (Vilnius, Lithuania), 2010, 56, 88-92.	0.2	1
41	Tetraphenylphosphonium inhibits oxidation of physiological substrates in heart mitochondria. , 1997, , 67-70.		1