

# Oleh V Lushchak

## List of Publications by Year in Descending Order

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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.

104  
papers

3,329  
citations

31  
h-index

56  
g-index

109  
ext. papers

4,251  
ext. citations

4.5  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
104	Herbicide Roundup shows toxic effects in nontarget organism <i>Drosophila</i> .. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2022</b> , e21893	2.3	1
103	The effects of low-toxic herbicide Roundup and glyphosate on mitochondria.. <i>EXCLI Journal</i> , <b>2022</b> , 21, 183-196	2.4	1
102	Dietary Sucrose Determines Stress Resistance, Oxidative Damages, and Antioxidant Defense System in .. <i>Scientifica</i> , <b>2022</b> , 2022, 7262342	2.6	
101	Prenatal famine exposure and adult health outcomes: an epigenetic link. <i>Environmental Epigenetics</i> , <b>2021</b> , 7, dvab013	2.4	3
100	DNA methylation changes induced by prenatal toxic metal exposure: An overview of epidemiological evidence. <i>Environmental Epigenetics</i> , <b>2021</b> , 7, dvab007	2.4	
99	Structural, Optical, and Catalytic Properties of MgCr2O4 Spinel-Type Nanostructures Synthesized by Sol-Gel Auto-Combustion Method. <i>Catalysts</i> , <b>2021</b> , 11, 1476	4	3
98	Metformin to decrease COVID-19 severity and mortality: Molecular mechanisms and therapeutic potential. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 144, 112230	7.5	8
97	Sex differences in the phylum-level human gut microbiota composition. <i>BMC Microbiology</i> , <b>2021</b> , 21, 131	4.5	6
96	<i>Drosophila</i> insulin-like peptides regulate concentration-dependent changes of appetite to different carbohydrates. <i>Zoology</i> , <b>2021</b> , 146, 125927	1.7	2
95	The <i>Drosophila</i> model to interrogate triacylglycerol biology. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2021</b> , 1866, 158924	5	4
94	Parental dietary sucrose affects metabolic and antioxidant enzyme activities in <i>Drosophila</i> . <i>Entomological Science</i> , <b>2021</b> , 24, 270-280	1.1	3
93	Repurposing drugs to fight aging: The difficult path from bench to bedside. <i>Medicinal Research Reviews</i> , <b>2021</b> , 41, 1676-1700	14.4	5
92	<i>Drosophila</i> insulin-like peptides: from expression to functions a review. <i>Entomologia Experimentalis Et Applicata</i> , <b>2021</b> , 169, 195-208	2.1	8
91	Aspirin as a Potential Geroprotector: Experimental Data and Clinical Evidence. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1286, 145-161	3.6	3
90	Factors that regulate expression patterns of insulin-like peptides and their association with physiological and metabolic traits in <i>Drosophila</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2021</b> , 135, 103609	4.5	2
89	Interplay between reactive oxygen and nitrogen species in living organisms. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 349, 109680	5	2
88	Environmental epigenetic epidemiology <b>2021</b> , 11-31		

87	Natural sweetener : Functionalities, health benefits and potential risks. <i>EXCLI Journal</i> , <b>2021</b> , 20, 1412-1430	1
86	Arterial Hypertension as a Risk Comorbidity Associated with COVID-19 Pathology. <i>International Journal of Hypertension</i> , <b>2020</b> , 2020, 8019360	2.4 12
85	Development of fly tolerance to consuming a high-protein diet requires physiological, metabolic and transcriptional changes. <i>Biogerontology</i> , <b>2020</b> , 21, 619-636	4.5 2
84	Structure of O-Polysaccharide and Lipid A of 8488. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9 3
83	TOR signaling inhibition in intestinal stem and progenitor cells affects physiology and metabolism in <i>Drosophila</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2020</b> , 243-244, 110424	2.3 3
82	Mating status affects <i>Drosophila</i> lifespan, metabolism and antioxidant system. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2020</b> , 246, 110716	2.6 4
81	Seasonal variation in gut microbiota composition: cross-sectional evidence from Ukrainian population. <i>BMC Microbiology</i> , <b>2020</b> , 20, 100	4.5 15
80	Anise Hyssop Increases Lifespan, Stress Resistance, and Metabolism by Affecting Free Radical Processes in. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 596729	4.6 2
79	Health and Pro-Longevity Interventions. <i>Healthy Ageing and Longevity</i> , <b>2020</b> , 473-495	0.5 0
78	The Use of Metformin to Increase the Human Healthspan. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1260, 319-332	3.6 20
77	Neuroinflammation in pathogenesis of Alzheimer's disease: Phytochemicals as potential therapeutics. <i>Mechanisms of Ageing and Development</i> , <b>2020</b> , 189, 111259	5.6 16
76	Nanodelivery of phytoactive compounds for treating aging-associated disorders. <i>GeroScience</i> , <b>2020</b> , 42, 117-139	8.9 14
75	Alternative NADH dehydrogenase extends lifespan and increases resistance to xenobiotics in <i>Drosophila</i> . <i>Biogerontology</i> , <b>2020</b> , 21, 155-171	4.5 7
74	Parental dietary protein-to-carbohydrate ratio affects offspring lifespan and metabolism in <i>drosophila</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2020</b> , 241, 110622	2.6 10
73	Curcumin: A therapeutic potential in ageing-related disorders. <i>PharmaNutrition</i> , <b>2020</b> , 14, 100226	2.9 11
72	Differences in the gut Firmicutes to Bacteroidetes ratio across age groups in healthy Ukrainian population. <i>BMC Microbiology</i> , <b>2020</b> , 20, 221	4.5 30
71	Lipid-Based Nano-delivery of Phytoactive Compounds in Anti-aging Medicine. <i>Healthy Ageing and Longevity</i> , <b>2020</b> , 221-245	0.5 1
70	Insulin Signaling in Intestinal Stem and Progenitor Cells as an Important Determinant of Physiological and Metabolic Traits in. <i>Cells</i> , <b>2020</b> , 9,	7.9 8

69	Developmental origins of type 2 diabetes: Focus on epigenetics. <i>Ageing Research Reviews</i> , <b>2019</b> , 55, 1009-1057	31
68	Health Benefits of Anti-aging Drugs. <i>Sub-Cellular Biochemistry</i> , <b>2019</b> , 91, 339-392	5.5 22
67	Prenatal Malnutrition-Induced Epigenetic Dysregulation as a Risk Factor for Type 2 Diabetes. <i>International Journal of Genomics</i> , <b>2019</b> , 2019, 3821409	2.5 5
66	Essential Physiological Differences Characterize Short- and Long-Lived Strains of <i>Drosophila melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2019</b> , 74, 1835-1843	6.4 6
65	Early-Life Adjustment of Epigenetic Aging Clock. <i>Healthy Ageing and Longevity</i> , <b>2019</b> , 269-282	0.5 0
64	Nanodelivery of Natural Antioxidants: An Anti-aging Perspective. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 447	5.8 59
63	Prevalence of Some Genetic Risk Factors for Nicotine Dependence in Ukraine. <i>Genetics Research International</i> , <b>2019</b> , 2019, 2483270	0 1
62	Larval crowding results in hormesis-like effects on longevity in <i>Drosophila</i> : timing of eclosion as a model. <i>Biogerontology</i> , <b>2019</b> , 20, 191-201	4.5 13
61	Implications of amino acid sensing and dietary protein to the aging process. <i>Experimental Gerontology</i> , <b>2019</b> , 115, 69-78	4.5 19
60	Metformin as a geroprotector: experimental and clinical evidence. <i>Biogerontology</i> , <b>2019</b> , 20, 33-48	4.5 60
59	Within-diet variation in rates of macronutrient consumption and reproduction does not accompany changes in lifespan in <i>Drosophila melanogaster</i> . <i>Entomologia Experimentalis Et Applicata</i> , <b>2018</b> , 166, 74-80	2.1 9
58	Anatomically distinct representatives of Cactaceae Juss. family have different response to acute heat shock stress. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , <b>2018</b> , 242, 137-145	1.9 7
57	Epigenetic Programming of Human Disease and Aging <b>2018</b> , 975-992	
56	Developmental programming of aging trajectory. <i>Ageing Research Reviews</i> , <b>2018</b> , 47, 105-122	12 31
55	Geroscience <b>2018</b> ,	1
54	mTOR Pharmacology <b>2018</b> , 447-447	
53	Intermittent Fasting <b>2018</b> , 279-279	3
52	Memory enhancement by ferulic acid ester across species. <i>Science Advances</i> , <b>2018</b> , 4, eaat6994	14.3 11

51	Insulin-Like Peptides Regulate Feeding Preference and Metabolism in. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1083	4.6	34
50	Metallic Nanoantioxidants as Potential Therapeutics for Type 2 Diabetes: A Hypothetical Background and Translational Perspectives. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 3407375	6.7	22
49	Exposure to sodium molybdate results in mild oxidative stress in <i>Drosophila melanogaster</i> . <i>Redox Report</i> , <b>2017</b> , 22, 137-146	5.9	14
48	The role of the TOR pathway in mediating the link between nutrition and longevity. <i>Mechanisms of Ageing and Development</i> , <b>2017</b> , 164, 127-138	5.6	48
47	Implementation of longevity-promoting supplements and medications in public health practice: achievements, challenges and future perspectives. <i>Journal of Translational Medicine</i> , <b>2017</b> , 15, 160	8.5	45
46	Longevity and stress resistance are affected by activation of TOR/Myc in progenitor cells of <i>Drosophila</i> gut. <i>Open Life Sciences</i> , <b>2017</b> , 12, 429-442	1.2	4
45	Association between body mass index and Firmicutes/Bacteroidetes ratio in an adult Ukrainian population. <i>BMC Microbiology</i> , <b>2017</b> , 17, 120	4.5	422
44	Activation of the Tor/Myc signaling axis in intestinal stem and progenitor cells affects longevity, stress resistance and metabolism in <i>drosophila</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2017</b> , 203, 92-99	2.3	13
43	Systemic corazonin signalling modulates stress responses and metabolism in <i>Drosophila</i> . <i>Open Biology</i> , <b>2016</b> , 6,	7	60
42	OXIDIZED LIPIDS DID NOT REDUCE LIFESPAN IN THE FRUIT FLY, <i>Drosophila melanogaster</i> . <i>Archives of Insect Biochemistry and Physiology</i> , <b>2016</b> , 91, 52-63	2.3	11
41	Anti-aging pharmacology: Promises and pitfalls. <i>Ageing Research Reviews</i> , <b>2016</b> , 31, 9-35	12	96
40	Restriction of glucose and fructose causes mild oxidative stress independently of mitochondrial activity and reactive oxygen species in <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2015</b> , 187, 27-39	2.6	13
39	Food odors trigger an endocrine response that affects food ingestion and metabolism. <i>Cellular and Molecular Life Sciences</i> , <b>2015</b> , 72, 3143-55	10.3	39
38	High consumption of fructose rather than glucose promotes a diet-induced obese phenotype in <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2015</b> , 180, 75-85	2.6	56
37	Sodium chromate demonstrates some insulin-mimetic properties in the fruit fly <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2015</b> , 167, 74-80	3.2	8
36	High sucrose consumption promotes obesity whereas its low consumption induces oxidative stress in <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , <b>2015</b> , 79, 42-54	2.4	76
35	<i>Ciona intestinalis</i> NADH dehydrogenase NDX confers stress-resistance and extended lifespan on <i>Drosophila</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2014</b> , 1837, 1861-1869	4.6	15
34	Molybdate partly mimics insulin-promoted metabolic effects in <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2014</b> , 165, 76-82	3.2	21

33	Aconitase post-translational modification as a key in linkage between Krebs cycle, iron homeostasis, redox signaling, and metabolism of reactive oxygen species. <i>Redox Report</i> , <b>2014</b> , 19, 8-15	5.9	94
32	Specific dietary carbohydrates differentially influence the life span and fecundity of <i>Drosophila melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2014</b> , 69, 3-12	6.4	52
31	<i>Drosophila</i> insulin-producing cells are differentially modulated by serotonin and octopamine receptors and affect social behavior. <i>PLoS ONE</i> , <b>2014</b> , 9, e99732	3.7	54
30	Lifespan extension and delay of age-related functional decline caused by <i>Rhodiola rosea</i> depends on dietary macronutrient balance. <i>Longevity &amp; Healthspan</i> , <b>2013</b> , 2, 5		27
29	2,4-dinitrophenol partially alleviates ferrocyanide-induced toxicity in <i>Drosophila melanogaster</i> . <i>Archives of Insect Biochemistry and Physiology</i> , <b>2013</b> , 84, 157-73	2.3	
28	The mitochondrial uncoupler 2,4-dinitrophenol attenuates sodium nitroprusside-induced toxicity in <i>Drosophila melanogaster</i> : potential involvement of free radicals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2013</b> , 158, 244-52	3.2	6
27	S-nitrosoglutathione-induced toxicity in <i>Drosophila melanogaster</i> : Delayed pupation and induced mild oxidative/nitrosative stress in eclosed flies. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2013</b> , 164, 162-70	2.6	27
26	Factors that regulate insulin producing cells and their output in <i>Drosophila</i> . <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 252	4.6	165
25	Balance between macronutrients affects life span and functional senescence in fruit fly <i>Drosophila melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2012</b> , 67, 118-25	6.4	50
24	Identified peptidergic neurons in the <i>Drosophila</i> brain regulate insulin-producing cells, stress responses and metabolism by coexpressed short neuropeptide F and corazonin. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 4051-66	10.3	89
23	Sodium nitroprusside toxicity in <i>Drosophila melanogaster</i> : delayed pupation, reduced adult emergence, and induced oxidative/nitrosative stress in eclosed flies. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2012</b> , 80, 166-85	2.3	36
22	The Classic Methods to Measure Oxidative Damage: Lipid Peroxides, Thiobarbituric-Acid Reactive Substances, and Protein Carbonyls <b>2011</b> , 420-431		5
21	<i>Drosophila melanogaster</i> larvae fed by glucose and fructose demonstrate difference in oxidative stress markers and antioxidant enzymes of adult flies. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2011</b> , 160, 27-34	2.6	60
20	Regulatory protein Yap1 is involved in response of yeast <i>Saccharomyces cerevisiae</i> to nitrosative stress. <i>Biochemistry (Moscow)</i> , <b>2010</b> , 75, 629-64	2.9	21
19	Chromium effects on free radical processes in goldfish tissues: comparison of Cr(III) and Cr(VI) exposures on oxidative stress markers, glutathione status and antioxidant enzymes. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2010</b> , 152, 360-70	3.2	41
18	Buffer modulation of menadione-induced oxidative stress in <i>Saccharomyces cerevisiae</i> . <i>Redox Report</i> , <b>2009</b> , 14, 214-20	5.9	10
17	Inactivation of genes, encoding tocopherol biosynthetic pathway enzymes, results in oxidative stress in outdoor grown <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , <b>2009</b> , 47, 384-90	5.4	57
16	Inactivation of genes encoding superoxide dismutase modifies yeast response to S-nitrosoglutathione-induced stress. <i>Biochemistry (Moscow)</i> , <b>2009</b> , 74, 445-51	2.9	5

15	Trivalent chromium induces oxidative stress in goldfish brain. <i>Chemosphere</i> , <b>2009</b> , 75, 56-62	8.4	42
14	Low toxic herbicide Roundup induces mild oxidative stress in goldfish tissues. <i>Chemosphere</i> , <b>2009</b> , 76, 932-7	8.4	154
13	Chromium(III) induces oxidative stress in goldfish liver and kidney. <i>Aquatic Toxicology</i> , <b>2009</b> , 93, 45-52	5.1	76
12	The effect of potassium dichromate on free radical processes in goldfish: possible protective role of glutathione. <i>Aquatic Toxicology</i> , <b>2008</b> , 87, 108-14	5.1	69
11	Sodium nitroprusside induces mild oxidative stress in <i>Saccharomyces cerevisiae</i> . <i>Redox Report</i> , <b>2008</b> , 13, 144-52	5.9	23
10	Catalase modifies yeast <i>Saccharomyces cerevisiae</i> response towards S-nitrosoglutathione-induced stress. <i>Redox Report</i> , <b>2008</b> , 13, 283-91	5.9	22
9	Oxidative stress and antioxidant defense responses by goldfish tissues to acute change of temperature from 3 to 23 °C. <i>Journal of Thermal Biology</i> , <b>2007</b> , 32, 227-234	2.9	94
8	Diethyldithiocarbamate injection induces transient oxidative stress in goldfish tissues. <i>Chemico-Biological Interactions</i> , <b>2007</b> , 170, 1-8	5	21
7	Growth on ethanol results in co-ordinated <i>Saccharomyces cerevisiae</i> response to inactivation of genes encoding superoxide dismutases. <i>Redox Report</i> , <b>2007</b> , 12, 181-8	5.9	6
6	Hypoxia and recovery perturb free radical processes and antioxidant potential in common carp ( <i>Cyprinus carpio</i> ) tissues. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2005</b> , 37, 1319-30	5.6	201
5	Diethyldithiocarbamate inhibits in vivo Cu,Zn-superoxide dismutase and perturbs free radical processes in the yeast <i>Saccharomyces cerevisiae</i> cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 338, 1739-44	3.4	57
4	Hyperoxia results in transient oxidative stress and an adaptive response by antioxidant enzymes in goldfish tissues. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2005</b> , 37, 1670-80	5.6	211
3	Possible role of superoxide dismutases in the yeast <i>Saccharomyces cerevisiae</i> under respiratory conditions. <i>Archives of Biochemistry and Biophysics</i> , <b>2005</b> , 441, 35-40	4.1	56
2	CHAPTER 1:Anti-Aging Drugs: Where are We and Where are We Going?. <i>RSC Drug Discovery Series</i> ,1-10	0.6	3
1	Insulin-Like Peptides Regulate Feeding Preference and Metabolism in <i>Drosophila</i>		1