

# Mikhail Y Golovko

## List of Publications by Citations

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59  
papers

1,806  
citations

25  
h-index

41  
g-index

59  
ext. papers

2,163  
ext. citations

5  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
59	Mitochondrial lipid abnormality and electron transport chain impairment in mice lacking alpha-synuclein. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 10190-201	4.8	198
58	Deposition of iron and beta-amyloid plaques is associated with cortical cellular damage in rabbits fed with long-term cholesterol-enriched diets. <i>Journal of Neurochemistry</i> , <b>2006</b> , 99, 438-49	6	104
57	Amyloid precursor protein and proinflammatory changes are regulated in brain and adipose tissue in a murine model of high fat diet-induced obesity. <i>PLoS ONE</i> , <b>2012</b> , 7, e30378	3.7	97
56	Brain neutral lipids mass is increased in alpha-synuclein gene-ablated mice. <i>Journal of Neurochemistry</i> , <b>2007</b> , 101, 132-41	6	80
55	Fatty acid incorporation is decreased in astrocytes cultured from alpha-synuclein gene-ablated mice. <i>Journal of Neurochemistry</i> , <b>2005</b> , 94, 839-49	6	78
54	Alpha-synuclein gene deletion decreases brain palmitate uptake and alters the palmitate metabolism in the absence of alpha-synuclein palmitate binding. <i>Biochemistry</i> , <b>2005</b> , 44, 8251-9	3.2	76
53	An improved LC-MS/MS procedure for brain prostanoid analysis using brain fixation with head-focused microwave irradiation and liquid-liquid extraction. <i>Journal of Lipid Research</i> , <b>2008</b> , 49, 893-902	6.3	71
52	LC/MS/MS method for analysis of E1 series prostaglandins and isoprostanes. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 850-9	6.3	65
51	Acyl-CoA synthetase activity links wild-type but not mutant alpha-synuclein to brain arachidonate metabolism. <i>Biochemistry</i> , <b>2006</b> , 45, 6956-66	3.2	65
50	Alpha-synuclein gene ablation increases docosahexaenoic acid incorporation and turnover in brain phospholipids. <i>Journal of Neurochemistry</i> , <b>2007</b> , 101, 201-11	6	63
49	The role of alpha-synuclein in brain lipid metabolism: a downstream impact on brain inflammatory response. <i>Molecular and Cellular Biochemistry</i> , <b>2009</b> , 326, 55-66	4.2	60
48	Sorption and Desorption Mechanisms of Cationic and Zwitterionic Per- and Polyfluoroalkyl Substances in Natural Soils: Thermodynamics and Hysteresis. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 11818-11827	10.3	57
47	Thermal Stability and Decomposition of Perfluoroalkyl Substances on Spent Granular Activated Carbon. <i>Environmental Science and Technology Letters</i> , <b>2020</b> , 7, 343-350	11	50
46	Identification of novel non-ionic, cationic, zwitterionic, and anionic polyfluoroalkyl substances using UPLC-TOF-MS high-resolution parent ion search. <i>Analytica Chimica Acta</i> , <b>2017</b> , 988, 41-49	6.6	49
45	Uptake and metabolism of plasma-derived erucic acid by rat brain. <i>Journal of Lipid Research</i> , <b>2006</b> , 47, 1289-97	6.3	46
44	A fast one-step extraction and UPLC-MS/MS analysis for E2/D 2 series prostaglandins and isoprostanes. <i>Lipids</i> , <b>2013</b> , 48, 411-9	1.6	45
43	PFOA and PFOS Are Generated from Zwitterionic and Cationic Precursor Compounds During Water Disinfection with Chlorine or Ozone. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 382-388	11	38

42	Baking reduces prostaglandin, resolvin, and hydroxy-fatty acid content of farm-raised Atlantic salmon ( <i>Salmo salar</i> ). <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 11278-86	5.7	33
41	Probiotics ameliorate intestinal pathophysiology in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2020</b> , 92, 114-134	5.6	30
40	Quantitative determination of free glycerol and myo-inositol from plasma and tissue by high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2009</b> , 877, 3667-72	3.2	30
39	Brain prostaglandin formation is increased by alpha-synuclein gene-ablation during global ischemia. <i>Neuroscience Letters</i> , <b>2008</b> , 432, 243-7	3.3	30
38	Lack of alpha-synuclein modulates microglial phenotype in vitro. <i>Neurochemical Research</i> , <b>2011</b> , 36, 994-1004	4.0	28
37	An improved method for tissue long-chain acyl-CoA extraction and analysis. <i>Journal of Lipid Research</i> , <b>2004</b> , 45, 1777-82	6.3	28
36	FABP-1 gene ablation impacts brain endocannabinoid system in male mice. <i>Journal of Neurochemistry</i> , <b>2016</b> , 138, 407-22	6	26
35	Oxidation-sensitive nociception involved in endometriosis-associated pain. <i>Pain</i> , <b>2015</b> , 156, 528-539	8	25
34	Fatty acid biosynthesis from glutamate and glutamine is specifically induced in neuronal cells under hypoxia. <i>Journal of Neurochemistry</i> , <b>2014</b> , 129, 400-12	6	25
33	Amyloid precursor protein modulates macrophage phenotype and diet-dependent weight gain. <i>Scientific Reports</i> , <b>2017</b> , 7, 43725	4.9	21
32	Novel Very Long-Chain $\beta$ -Methoxylated $\beta$ ,9 Fatty Acids from the Sponge <i>Asteropus niger</i> Are Effective Inhibitors of Topoisomerases IB. <i>Lipids</i> , <b>2016</b> , 51, 245-56	1.6	21
31	Fabp1 gene ablation inhibits high-fat diet-induced increase in brain endocannabinoids. <i>Journal of Neurochemistry</i> , <b>2017</b> , 140, 294-306	6	19
30	Alterations in membrane phospholipid fatty acids of Gram-positive piezotolerant bacterium <i>Sporosarcina</i> sp. DSK25 in response to growth pressure. <i>Lipids</i> , <b>2014</b> , 49, 347-56	1.6	19
29	Effect of granular activated carbon and other porous materials on thermal decomposition of per- and polyfluoroalkyl substances: Mechanisms and implications for water purification. <i>Water Research</i> , <b>2021</b> , 200, 117271	12.5	19
28	Effects of Probiotic Supplementation on Short Chain Fatty Acids in the AppNL-G-F Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 76, 1083-1102	4.3	18
27	Circulating levels of ATP is a biomarker of HIV cognitive impairment. <i>EBioMedicine</i> , <b>2020</b> , 51, 102503	8.8	18
26	Brain 2-Arachidonoylglycerol Levels Are Dramatically and Rapidly Increased Under Acute Ischemia-Injury Which Is Prevented by Microwave Irradiation. <i>Lipids</i> , <b>2016</b> , 51, 487-95	1.6	17
25	Erucic acid is differentially taken up and metabolized in rat liver and heart. <i>Lipids</i> , <b>2008</b> , 43, 391-400	1.6	15

24	Small molecule FAK activator promotes human intestinal epithelial monolayer wound closure and mouse ulcer healing. <i>Scientific Reports</i> , <b>2019</b> , 9, 14669	4.9	14
23	In Vivo Generation of PFOA, PFOS, and Other Compounds from Cationic and Zwitterionic Per- and Polyfluoroalkyl Substances in a Terrestrial Invertebrate (). <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 7378-7387	10.3	13
22	Maternal diet intervention before pregnancy primes offspring lipid metabolism in liver. <i>Laboratory Investigation</i> , <b>2020</b> , 100, 553-569	5.9	13
21	Microenvironment-sensing, nanocarrier-mediated delivery of combination chemotherapy for pancreatic cancer. <i>Journal of Cell Communication and Signaling</i> , <b>2019</b> , 13, 407-420	5.2	10
20	Effects of cooking techniques on fatty acid and oxylipin content of farmed rainbow trout (). <i>Food Science and Nutrition</i> , <b>2017</b> , 5, 1195-1204	3.2	9
19	Plasma Unesterified Fatty-Acid Profile Is Dramatically and Acutely Changed under Ischemic Stroke in the Mouse Model. <i>Lipids</i> , <b>2018</b> , 53, 641-645	1.6	9
18	Eicosanoid post-mortem induction in kidney tissue is prevented by microwave irradiation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2013</b> , 89, 313-8	2.8	8
17	Tissue-dependent alterations in lipid mass in mice lacking glycerol kinase. <i>Lipids</i> , <b>2005</b> , 40, 287-93	1.6	7
16	Thermal Decomposition of Anionic, Zwitterionic, and Cationic Polyfluoroalkyl Substances in Aqueous Film-Forming Foams. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 9885-9894	10.3	7
15	Fatty Acid Biosynthesis Inhibition Increases Reduction Potential in Neuronal Cells under Hypoxia. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 546	5.1	7
14	Inhibition of the Serotonin Transporter Is Altered by Metabolites of Selective Serotonin and Norepinephrine Reuptake Inhibitors and Represents a Caution to Acute or Chronic Treatment Paradigms. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 1011-1018	5.7	6
13	An Investigation of Thermal Air Degradation and Pyrolysis of Per- and Polyfluoroalkyl Substances and Aqueous Film-Forming Foams in Soil. <i>ACS ES&amp;T Engineering</i> , <b>2022</b> , 2, 198-209		6
12	Intrathecal administration of Resolvin D1 and E1 decreases hyperalgesia in mice with bone cancer pain: Involvement of endocannabinoid signaling. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2020</b> , 151, 106479	3.7	6
11	Liver Bile Acid Changes in Mouse Models of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
10	A rapid oxygen exchange on prostaglandins in plasma represents plasma esterase activity that is inhibited by diethylumbelliferyl phosphate with high affinity. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 2472-6	2.2	4
9	Blood-Brain Barrier Is the Major Site for a Rapid and Dramatic Prostanoid Increase upon Brain Global Ischemia. <i>Lipids</i> , <b>2020</b> , 55, 79-85	1.6	4
8	Sterol Carrier Protein-2/Sterol Carrier Protein-x/Fatty Acid Binding Protein-1 Ablation Impacts Response of Brain Endocannabinoid to High-Fat Diet. <i>Lipids</i> , <b>2019</b> , 54, 583-601	1.6	3
7	Brain changes associated with thromboxane receptor antagonist SQ 29,548 treatment in a mouse model. <i>Journal of Neuroscience Research</i> , <b>2015</b> , 93, 1279-92	4.4	3

6	Scp-2/Scp-x ablation in Fabp1 null mice differentially impacts hepatic endocannabinoid level depending on dietary fat. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 650, 93-102	4.1	3
5	Discovery of Novel Small-Molecule FAK Activators Promoting Mucosal Healing. <i>ACS Medicinal Chemistry Letters</i> , <b>2021</b> , 12, 356-364	4.3	2
4	Synthesis of a novel brominated vinylic fatty acid with antileishmanial activity that effectively inhibits the Leishmania topoisomerase IB enzyme mediated by halogen bond formation. <i>Pure and Applied Chemistry</i> , <b>2019</b> , 91, 1405-1416	2.1	1
3	Cyclooxygenase inhibition attenuates brain angiogenesis and independently decreases mouse survival under hypoxia. <i>Journal of Neurochemistry</i> , <b>2021</b> , 158, 246-261	6	1
2	Modulation of Inflammatory Signaling Molecules in Antigen-Challenged Human Monocytes in Presence of Adrenergic Agonists.. <i>Vaccines</i> , <b>2022</b> , 10,	5.3	1
1	Effects of Probiotic Supplementation on Short Chain Fatty Acids in the AppNL <sup>G1</sup> Mouse Model of Alzheimer's Disease. <i>Advances in Alzheimer's Disease</i> , <b>2022</b> ,		