

Mikhail Y Golovko

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.

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	An Investigation of Thermal Air Degradation and Pyrolysis of Per- and Polyfluoroalkyl Substances and Aqueous Film-Forming Foams in Soil. <i>ACS ES&T Engineering</i> , 2022 , 2, 198-209		6
58	Modulation of Inflammatory Signaling Molecules in Antigen-Challenged Human Monocytes in Presence of Adrenergic Agonists.. <i>Vaccines</i> , 2022 , 10,	5.3	1
57	Effects of Probiotic Supplementation on Short Chain Fatty Acids in the AppNL-G-F Mouse Model of Alzheimer's Disease. <i>Advances in Alzheimer's Disease</i> , 2022 ,		
56	Thermal Decomposition of Anionic, Zwitterionic, and Cationic Polyfluoroalkyl Substances in Aqueous Film-Forming Foams. <i>Environmental Science & Technology</i> , 2021 , 55, 9885-9894	10.3	7
55	Liver Bile Acid Changes in Mouse Models of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
54	Discovery of Novel Small-Molecule FAK Activators Promoting Mucosal Healing. <i>ACS Medicinal Chemistry Letters</i> , 2021 , 12, 356-364	4.3	2
53	Cyclooxygenase inhibition attenuates brain angiogenesis and independently decreases mouse survival under hypoxia. <i>Journal of Neurochemistry</i> , 2021 , 158, 246-261	6	1
52	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> , 2021 , 200, 117271	12.5	19
51	Probiotics ameliorate intestinal pathophysiology in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020 , 92, 114-134	5.6	30
50	Thermal Stability and Decomposition of Perfluoroalkyl Substances on Spent Granular Activated Carbon. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 343-350	11	50
49	In Vivo Generation of PFOA, PFOS, and Other Compounds from Cationic and Zwitterionic Per- and Polyfluoroalkyl Substances in a Terrestrial Invertebrate (). <i>Environmental Science & Technology</i> , 2020 , 54, 7378-7387	10.3	13
48	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> , 2020 , 76, 1083-1102	4.3	18
47	Blood-Brain Barrier Is the Major Site for a Rapid and Dramatic Prostanoid Increase upon Brain Global Ischemia. <i>Lipids</i> , 2020 , 55, 79-85	1.6	4
46	Circulating levels of ATP is a biomarker of HIV cognitive impairment. <i>EBioMedicine</i> , 2020 , 51, 102503	8.8	18
45	Maternal diet intervention before pregnancy primes offspring lipid metabolism in liver. <i>Laboratory Investigation</i> , 2020 , 100, 553-569	5.9	13
44	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> , 2020 , 151, 106479	3.7	6
43	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> , 2019 , 54, 583-601	1.6	3

42	Sorption and Desorption Mechanisms of Cationic and Zwitterionic Per- and Polyfluoroalkyl Substances in Natural Soils: Thermodynamics and Hysteresis. <i>Environmental Science & Technology</i> , 2019 , 53, 11818-11827	10.3	57
41	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> , 2019 , 91, 1405-1416	2.1	1
40	Microenvironment-sensing, nanocarrier-mediated delivery of combination chemotherapy for pancreatic cancer. <i>Journal of Cell Communication and Signaling</i> , 2019 , 13, 407-420	5.2	10
39	Small molecule FAK activator promotes human intestinal epithelial monolayer wound closure and mouse ulcer healing. <i>Scientific Reports</i> , 2019 , 9, 14669	4.9	14
38	Plasma Unesterified Fatty-Acid Profile Is Dramatically and Acutely Changed under Ischemic Stroke in the Mouse Model. <i>Lipids</i> , 2018 , 53, 641-645	1.6	9
37	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> , 2018 , 5, 382-388	11	38
36	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> , 2018 , 650, 93-102	4.1	3
35	Amyloid precursor protein modulates macrophage phenotype and diet-dependent weight gain. <i>Scientific Reports</i> , 2017 , 7, 43725	4.9	21
34	Fabp1 gene ablation inhibits high-fat diet-induced increase in brain endocannabinoids. <i>Journal of Neurochemistry</i> , 2017 , 140, 294-306	6	19
33	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> , 2017 , 8, 1011-1018	5.7	6
32	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> , 2017 , 988, 41-49	6.6	49
31	Effects of cooking techniques on fatty acid and oxylipin content of farmed rainbow trout (). <i>Food Science and Nutrition</i> , 2017 , 5, 1195-1204	3.2	9
30	FABP-1 gene ablation impacts brain endocannabinoid system in male mice. <i>Journal of Neurochemistry</i> , 2016 , 138, 407-22	6	26
29	Novel Very Long-Chain β -Methoxylated β ,9 Fatty Acids from the Sponge <i>Asteropus niger</i> Are Effective Inhibitors of Topoisomerases IB. <i>Lipids</i> , 2016 , 51, 245-56	1.6	21
28	Fatty Acid Biosynthesis Inhibition Increases Reduction Potential in Neuronal Cells under Hypoxia. <i>Frontiers in Neuroscience</i> , 2016 , 10, 546	5.1	7
27	Brain 2-Arachidonoylglycerol Levels Are Dramatically and Rapidly Increased Under Acute Ischemia-Injury Which Is Prevented by Microwave Irradiation. <i>Lipids</i> , 2016 , 51, 487-95	1.6	17
26	Oxidation-sensitive nociception involved in endometriosis-associated pain. <i>Pain</i> , 2015 , 156, 528-539	8	25
25	Brain changes associated with thromboxane receptor antagonist SQ 29,548 treatment in a mouse model. <i>Journal of Neuroscience Research</i> , 2015 , 93, 1279-92	4.4	3

24	Fatty acid biosynthesis from glutamate and glutamine is specifically induced in neuronal cells under hypoxia. <i>Journal of Neurochemistry</i> , 2014 , 129, 400-12	6	25
23	Alterations in membrane phospholipid fatty acids of Gram-positive piezotolerant bacterium <i>Sporosarcina</i> sp. DSK25 in response to growth pressure. <i>Lipids</i> , 2014 , 49, 347-56	1.6	19
22	A fast one-step extraction and UPLC-MS/MS analysis for E2/D 2 series prostaglandins and isoprostanes. <i>Lipids</i> , 2013 , 48, 411-9	1.6	45
21	Eicosanoid post-mortem induction in kidney tissue is prevented by microwave irradiation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013 , 89, 313-8	2.8	8
20	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> , 2012 , 26, 2472-6	2.2	4
19	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> , 2012 , 7, e30378	3.7	97
18	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> , 2011 , 59, 11278-86	5.7	33
17	Lack of alpha-synuclein modulates microglial phenotype in vitro. <i>Neurochemical Research</i> , 2011 , 36, 994-1004	10.4	28
16	LC/MS/MS method for analysis of E series prostaglandins and isoprostanes. <i>Journal of Lipid Research</i> , 2011 , 52, 850-9	6.3	65
15	The role of alpha-synuclein in brain lipid metabolism: a downstream impact on brain inflammatory response. <i>Molecular and Cellular Biochemistry</i> , 2009 , 326, 55-66	4.2	60
14	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> , 2009 , 877, 3667-72	3.2	30
13	Brain prostaglandin formation is increased by alpha-synuclein gene-ablation during global ischemia. <i>Neuroscience Letters</i> , 2008 , 432, 243-7	3.3	30
12	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> , 2008 , 49, 893-902	6.3	71
11	Erucic acid is differentially taken up and metabolized in rat liver and heart. <i>Lipids</i> , 2008 , 43, 391-400	1.6	15
10	Brain neutral lipids mass is increased in alpha-synuclein gene-ablated mice. <i>Journal of Neurochemistry</i> , 2007 , 101, 132-41	6	80
9	Alpha-synuclein gene ablation increases docosahexaenoic acid incorporation and turnover in brain phospholipids. <i>Journal of Neurochemistry</i> , 2007 , 101, 201-11	6	63
8	Uptake and metabolism of plasma-derived erucic acid by rat brain. <i>Journal of Lipid Research</i> , 2006 , 47, 1289-97	6.3	46
7	Acyl-CoA synthetase activity links wild-type but not mutant alpha-synuclein to brain arachidonate metabolism. <i>Biochemistry</i> , 2006 , 45, 6956-66	3.2	65

6	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> , 2006 , 99, 438-49	6	104
5	Alpha-synuclein gene deletion decreases brain palmitate uptake and alters the palmitate metabolism in the absence of alpha-synuclein palmitate binding. <i>Biochemistry</i> , 2005 , 44, 8251-9	3.2	76
4	Fatty acid incorporation is decreased in astrocytes cultured from alpha-synuclein gene-ablated mice. <i>Journal of Neurochemistry</i> , 2005 , 94, 839-49	6	78
3	Tissue-dependent alterations in lipid mass in mice lacking glycerol kinase. <i>Lipids</i> , 2005 , 40, 287-93	1.6	7
2	Mitochondrial lipid abnormality and electron transport chain impairment in mice lacking alpha-synuclein. <i>Molecular and Cellular Biology</i> , 2005 , 25, 10190-201	4.8	198
1	An improved method for tissue long-chain acyl-CoA extraction and analysis. <i>Journal of Lipid Research</i> , 2004 , 45, 1777-82	6.3	28