

Mikhail Y Golovko

List of Publications by Year in descending order

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59
papers

2,530
citations

159525

30
h-index

197736

49
g-index

59
all docs

59
docs citations

59
times ranked

3181
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial Lipid Abnormality and Electron Transport Chain Impairment in Mice Lacking $\hat{\alpha}$ -Synuclein. <i>Molecular and Cellular Biology</i> , 2005, 25, 10190-10201.	1.1	233
2	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.	1.1	128
3	Deposition of iron and γ -amyloid plaques is associated with cortical cellular damage in rabbits fed with long-term cholesterol-enriched diets. <i>Journal of Neurochemistry</i> , 2006, 99, 438-449.	2.1	127
4	Thermal Stability and Decomposition of Perfluoroalkyl Substances on Spent Granular Activated Carbon. <i>Environmental Science and Technology Letters</i> , 2020, 7, 343-350.	3.9	127
5	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.	4.6	105
6	Brain neutral lipids mass is increased in $\hat{\alpha}$ -synuclein gene-ablated mice. <i>Journal of Neurochemistry</i> , 2006, 101, 132-141.	2.1	99
7	$\hat{\alpha}$ -Synuclein Gene Deletion Decreases Brain Palmitate Uptake and Alters the Palmitate Metabolism in the Absence of $\hat{\alpha}$ -Synuclein Palmitate Binding. <i>Biochemistry</i> , 2005, 44, 8251-8259.	1.2	94
8	Fatty acid incorporation is decreased in astrocytes cultured from $\hat{\alpha}$ -synuclein gene-ablated mice. <i>Journal of Neurochemistry</i> , 2005, 94, 839-849.	2.1	90
9	Acyl-CoA Synthetase Activity Links Wild-Type but Not Mutant $\hat{\alpha}$ -Synuclein to Brain Arachidonate Metabolism. <i>Biochemistry</i> , 2006, 45, 6956-6966.	1.2	76
10	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.	2.0	76
11	Identification of novel non-ionic, cationic, zwitterionic, and anionic polyfluoroalkyl substances using UPLC-TOF-MSE high-resolution parent ion search. <i>Analytica Chimica Acta</i> , 2017, 988, 41-49.	2.6	75
12	LC/MS/MS method for analysis of E2 series prostaglandins and isoprostanes. <i>Journal of Lipid Research</i> , 2011, 52, 850-859.	2.0	73
13	$\hat{\alpha}$ -Synuclein gene ablation increases docosahexaenoic acid incorporation and turnover in brain phospholipids. <i>Journal of Neurochemistry</i> , 2006, 101, 201-211.	2.1	72
14	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.	3.9	71
15	The role of $\hat{\alpha}$ -synuclein in brain lipid metabolism: a downstream impact on brain inflammatory response. <i>Molecular and Cellular Biochemistry</i> , 2009, 326, 55-66.	1.4	69
16	Uptake and metabolism of plasma-derived erucic acid by rat brain. <i>Journal of Lipid Research</i> , 2006, 47, 1289-1297.	2.0	57
17	Probiotics ameliorate intestinal pathophysiology in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020, 92, 114-134.	1.5	57
18	A Fast One-Step Extraction and UPLC-MS/MS Analysis for E ₂ /D ₂ Series Prostaglandins and Isoprostanes. <i>Lipids</i> , 2013, 48, 411-419.	0.7	52

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19	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.	5.3	48
20	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.	1.2	41
21	Fatty acid biosynthesis from glutamate and glutamine is specifically induced in neuronal cells under hypoxia. <i>Journal of Neurochemistry</i> , 2014, 129, 400-412.	2.1	40
22	Thermal Decomposition of Anionic, Zwitterionic, and Cationic Polyfluoroalkyl Substances in Aqueous Film-Forming Foams. <i>Environmental Science & Technology</i> , 2021, 55, 9885-9894.	4.6	40
23	Circulating levels of ATP is a biomarker of HIV cognitive impairment. <i>EBioMedicine</i> , 2020, 51, 102503.	2.7	38
24	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, 3667-3672.	1.2	36
25	Lack of Alpha-Synuclein Modulates Microglial Phenotype In Vitro. <i>Neurochemical Research</i> , 2011, 36, 994-1004.	1.6	35
26	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.	3.7	35
27	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, 11278-11286.	2.4	34
28	Brain prostaglandin formation is increased by α -synuclein gene-ablation during global ischemia. <i>Neuroscience Letters</i> , 2008, 432, 243-247.	1.0	33
29	Oxidation-sensitive nociception involved in endometriosis-associated pain. <i>Pain</i> , 2015, 156, 528-539.	2.0	32
30	Novel Very Long-Chain α -Methoxylated ω -5,9 Fatty Acids from the Sponge <i>Asteropus niger</i> Are Effective Inhibitors of Topoisomerases IB. <i>Lipids</i> , 2016, 51, 245-256.	0.7	32
31	Amyloid precursor protein modulates macrophage phenotype and diet-dependent weight gain. <i>Scientific Reports</i> , 2017, 7, 43725.	1.6	32
32	An improved method for tissue long-chain acyl-CoA extraction and analysis. <i>Journal of Lipid Research</i> , 2004, 45, 1777-1782.	2.0	31
33	<i>FABP1</i> gene ablation impacts brain endocannabinoid system in male mice. <i>Journal of Neurochemistry</i> , 2016, 138, 407-422.	2.1	29
34	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, 347-356.	0.7	27
35	In Vivo Generation of PFOA, PFOS, and Other Compounds from Cationic and Zwitterionic Per- and Polyfluoroalkyl Substances in a Terrestrial Invertebrate (<i>Lumbricus terrestris</i>). <i>Environmental Science & Technology</i> , 2020, 54, 7378-7387.	4.6	26
36	<i>Fabp1</i> gene ablation inhibits high-fat diet-induced increase in brain endocannabinoids. <i>Journal of Neurochemistry</i> , 2017, 140, 294-306.	2.1	24

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37	Erucic Acid is Differentially Taken up and Metabolized in Rat Liver and Heart. <i>Lipids</i> , 2008, 43, 391-400.	0.7	21
38	Maternal diet intervention before pregnancy primes offspring lipid metabolism in liver. <i>Laboratory Investigation</i> , 2020, 100, 553-569.	1.7	21
39	Small molecule FAK activator promotes human intestinal epithelial monolayer wound closure and mouse ulcer healing. <i>Scientific Reports</i> , 2019, 9, 14669.	1.6	20
40	Brain 2- ² Arachidonoylglycerol Levels Are Dramatically and Rapidly Increased Under Acute Ischemia-Induced Injury Which Is Prevented by Microwave Irradiation. <i>Lipids</i> , 2016, 51, 487-495.	0.7	19
41	Effects of cooking techniques on fatty acid and oxylipin content of farmed rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Food Science and Nutrition</i> , 2017, 5, 1195-1204.	1.5	19
42	Plasma Unesterified Fatty Acid Profile Is Dramatically and Acutely Changed under Ischemic Stroke in the Mouse Model. <i>Lipids</i> , 2018, 53, 641-645.	0.7	15
43	Liver Bile Acid Changes in Mouse Models of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7451.	1.8	15
44	Microenvironment-sensing, nanocarrier-mediated delivery of combination chemotherapy for pancreatic cancer. <i>Journal of Cell Communication and Signaling</i> , 2019, 13, 407-420.	1.8	14
45	Fatty Acid Biosynthesis Inhibition Increases Reduction Potential in Neuronal Cells under Hypoxia. <i>Frontiers in Neuroscience</i> , 2016, 10, 546.	1.4	13
46	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.	1.0	12
47	Eicosanoid post-mortem induction in kidney tissue is prevented by microwave irradiation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013, 89, 313-318.	1.0	10
48	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.	1.7	9
49	Sterol Carrier Protein 2/Sterol Carrier Protein 1/Fatty Acid Binding Protein 1 Ablation Impacts Response of Brain Endocannabinoid to High-Fat Diet. <i>Lipids</i> , 2019, 54, 583-601.	0.7	9
50	Tissue-dependent alterations in lipid mass in mice lacking glycerol kinase. <i>Lipids</i> , 2005, 40, 287-293.	0.7	8
51	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.	0.7	6
52	Discovery of Novel Small-Molecule FAK Activators Promoting Mucosal Healing. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 356-364.	1.3	6
53	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, 2472-2476.	0.7	4
54	Cyclooxygenase inhibition attenuates brain angiogenesis and independently decreases mouse survival under hypoxia. <i>Journal of Neurochemistry</i> , 2021, 158, 246-261.	2.1	4

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55	Brain changes associated with thromboxane receptor antagonist SQ 29,548 treatment in a mouse model. <i>Journal of Neuroscience Research</i> , 2015, 93, 1279-1292.	1.3	3
56	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.	1.4	3
57	Synthesis of a novel brominated vinylic fatty acid with antileishmanial activity that effectively inhibits the <i>Leishmania</i> topoisomerase IB enzyme mediated by halogen bond formation. <i>Pure and Applied Chemistry</i> , 2019, 91, 1405-1416.	0.9	3
58	Modulation of Inflammatory Signaling Molecules in Bordetella pertussis Antigen-Challenged Human Monocytes in Presence of Adrenergic Agonists. <i>Vaccines</i> , 2022, 10, 321.	2.1	2
59	Effects of Probiotic Supplementation on Short Chain Fatty Acids in the AppNL ^{G4} Mouse Model of Alzheimer's Disease. <i>Advances in Alzheimer's Disease</i> , 2022, , .	0.2	0