

# Yury I Miller

## List of Publications by Year in descending order

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54  
papers

4,738  
citations

126907

33  
h-index

161849

54  
g-index

56  
all docs

56  
docs citations

56  
times ranked

7287  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation-Specific Epitopes Are Danger-Associated Molecular Patterns Recognized by Pattern Recognition Receptors of Innate Immunity. <i>Circulation Research</i> , 2011, 108, 235-248.	4.5	527
2	Oxidation-specific epitopes are dominant targets of innate natural antibodies in mice and humans. <i>Journal of Clinical Investigation</i> , 2009, 119, 1335-1349.	8.2	397
3	Macrophages Generate Reactive Oxygen Species in Response to Minimally Oxidized Low-Density Lipoprotein. <i>Circulation Research</i> , 2009, 104, 210-218.	4.5	364
4	Oxidized phospholipids are proinflammatory and proatherogenic in hypercholesterolaemic mice. <i>Nature</i> , 2018, 558, 301-306.	27.8	359
5	Minimally Modified LDL Binds to CD14, Induces Macrophage Spreading via TLR4/MD-2, and Inhibits Phagocytosis of Apoptotic Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 1561-1568.	3.4	338
6	Toll-Like Receptor 4-Dependent and -Independent Cytokine Secretion Induced by Minimally Oxidized Low-Density Lipoprotein in Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1213-1219.	2.4	243
7	Oxidized low density lipoprotein and innate immune receptors. <i>Current Opinion in Lipidology</i> , 2003, 14, 437-445.	2.7	164
8	Control of angiogenesis by AIBP-mediated cholesterol efflux. <i>Nature</i> , 2013, 498, 118-122.	27.8	156
9	Oxidative Stress Activates Endothelial Innate Immunity via Sterol Regulatory Element Binding Protein 2 (SREBP2) Transactivation of MicroRNA-92a. <i>Circulation</i> , 2015, 131, 805-814.	1.6	127
10	The SYK side of TLR4: signalling mechanisms in response to LPS and minimally oxidized LDL. <i>British Journal of Pharmacology</i> , 2012, 167, 990-999.	5.4	119
11	Lipoprotein Modification and Macrophage Uptake: Role of Pathologic Cholesterol Transport in Atherogenesis. <i>Sub-Cellular Biochemistry</i> , 2010, 51, 229-251.	2.4	111
12	Context-Dependent Role of Oxidized Lipids and Lipoproteins in Inflammation. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 143-152.	7.1	96
13	AIBP-mediated cholesterol efflux instructs hematopoietic stem and progenitor cell fate. <i>Science</i> , 2019, 363, 1085-1088.	12.6	90
14	Release and Capture of Bioactive Oxidized Phospholipids and Oxidized Cholesteryl Esters During Percutaneous Coronary and Peripheral Arterial Interventions in Humans. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1961-1971.	2.8	88
15	Targeting toll-like receptor-4 (TLR4) an emerging therapeutic target for persistent pain states. <i>Pain</i> , 2018, 159, 1908-1915.	4.2	88
16	Exosomes containing HIV protein Nef reorganize lipid rafts potentiating inflammatory response in bystander cells. <i>PLoS Pathogens</i> , 2019, 15, e1007907.	4.7	86
17	Zebrafish models of dyslipidemia: relevance to atherosclerosis and angiogenesis. <i>Translational Research</i> , 2014, 163, 99-108.	5.0	84
18	SYK regulates macrophage MHC-II expression via activation of autophagy in response to oxidized LDL. <i>Autophagy</i> , 2015, 11, 785-795.	9.1	77

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19	Lipid rafts as a therapeutic target. <i>Journal of Lipid Research</i> , 2020, 61, 687-695.	4.2	72
20	Graphene biointerfaces for optical stimulation of cells. <i>Science Advances</i> , 2018, 4, eaat0351.	10.3	68
21	Prdx1 (peroxiredoxin 1) deficiency reduces cholesterol efflux via impaired macrophage lipophagic flux. <i>Autophagy</i> , 2018, 14, 120-133.	9.1	62
22	Actin Polymerization in Macrophages in Response to Oxidized LDL and Apoptotic Cells: Role of 12/15-Lipoxygenase and Phosphoinositide 3-Kinase. <i>Molecular Biology of the Cell</i> , 2003, 14, 4196-4206.	2.1	59
23	Toll-Like Receptor-4 and Lipoprotein Accumulation in Macrophages. <i>Trends in Cardiovascular Medicine</i> , 2009, 19, 227-232.	4.9	57
24	Oxidized cholesteryl esters and inflammation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 393-397.	2.4	56
25	Lipid rafts in glial cells: role in neuroinflammation and pain processing. <i>Journal of Lipid Research</i> , 2020, 61, 655-666.	4.2	55
26	Apoc2 loss-of-function zebrafish mutant as a genetic model of hyperlipidemia. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 989-98.	2.4	54
27	Inhibition of Neuroinflammation by AIBP: Spinal Effects upon Facilitated Pain States. <i>Cell Reports</i> , 2018, 23, 2667-2677.	6.4	51
28	Normalization of cholesterol metabolism in spinal microglia alleviates neuropathic pain. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	51
29	AIBP Limits Angiogenesis Through $\hat{I}^3$ -Secretase-Mediated Upregulation of Notch Signaling. <i>Circulation Research</i> , 2017, 120, 1727-1739.	4.5	49
30	Reduced Dietary Omega-6 to Omega-3 Fatty Acid Ratio and 12/15-Lipoxygenase Deficiency Are Protective against Chronic High Fat Diet-Induced Steatohepatitis. <i>PLoS ONE</i> , 2014, 9, e107658.	2.5	47
31	Targeting Lipid Raftsâ€™A Potential Therapy for COVID-19. <i>Frontiers in Immunology</i> , 2020, 11, 574508.	4.8	45
32	Polyoxygenated Cholesterol Ester Hydroperoxide Activates TLR4 and SYK Dependent Signaling in Macrophages. <i>PLoS ONE</i> , 2013, 8, e83145.	2.5	44
33	AIBP protects against metabolic abnormalities and atherosclerosis. <i>Journal of Lipid Research</i> , 2018, 59, 854-863.	4.2	38
34	Regulation of lipid rafts, angiogenesis and inflammation by AIBP. <i>Current Opinion in Lipidology</i> , 2019, 30, 218-223.	2.7	35
35	Modeling hypercholesterolemia and vascular lipid accumulation in LDL receptor mutant zebrafish. <i>Journal of Lipid Research</i> , 2018, 59, 391-399.	4.2	34
36	AIBP augments cholesterol efflux from alveolar macrophages to surfactant and reduces acute lung inflammation. <i>JCI Insight</i> , 2018, 3, .	5.0	34

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37	Oxidation-specific epitopes as targets for biotheranostic applications in humans. <i>Current Opinion in Lipidology</i> , 2013, 24, 426-437.	2.7	31
38	Toll-like receptors and atherosclerosis: oxidized LDL as an endogenous Toll-like receptor ligand. <i>Future Cardiology</i> , 2005, 1, 785-792.	1.2	30
39	Spleen Tyrosine Kinase Regulates AP-1 Dependent Transcriptional Response to Minimally Oxidized LDL. <i>PLoS ONE</i> , 2012, 7, e32378.	2.5	28
40	Inhibition of HIV Replication by Apolipoprotein A-I Binding Protein Targeting the Lipid Rafts. <i>MBio</i> , 2020, 11, .	4.1	24
41	Lipoprotein lipase regulates hematopoietic stem progenitor cell maintenance through DHA supply. <i>Nature Communications</i> , 2018, 9, 1310.	12.8	22
42	AIBP protects retinal ganglion cells against neuroinflammation and mitochondrial dysfunction in glaucomatous neurodegeneration. <i>Redox Biology</i> , 2020, 37, 101703.	9.0	21
43	From Inert Storage to Biological Activityâ€™ In Search of Identity for Oxidized Cholesteryl Esters. <i>Frontiers in Endocrinology</i> , 2020, 11, 602252.	3.5	21
44	Pseudopodium-enriched atypical kinase 1 mediates angiogenesis by modulating GATA2-dependent VEGFR2 transcription. <i>Cell Discovery</i> , 2018, 4, 26.	6.7	19
45	Intracellular AIBP (Apolipoprotein A-I Binding Protein) Regulates Oxidized LDL (Low-Density) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2021, 41, e82-e96.	2.4	18
46	MD-2 binds cholesterol. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 877-880.	2.1	17
47	Polo-like kinase 2 regulates angiogenic sprouting and blood vessel development. <i>Developmental Biology</i> , 2015, 404, 49-60.	2.0	14
48	Biology of Lipid Rafts: Introduction to the Thematic Review Series. <i>Journal of Lipid Research</i> , 2020, 61, 598-600.	4.2	14
49	Cholesterol Efflux-Independent Modification of Lipid Rafts by AIBP (Apolipoprotein A-I Binding) Tj ETQq1 1 0.784314 rgBT /Overlock 1 2.45 11	2.45	11
50	Deficient Cholesterol Esterification in Plasma of apoc2 Knockout Zebrafish and Familial Chylomicronemia Patients. <i>PLoS ONE</i> , 2017, 12, e0169939.	2.5	9
51	Palmitate and minimally-modified low-density lipoprotein cooperatively promote inflammatory responses in macrophages. <i>PLoS ONE</i> , 2018, 13, e0193649.	2.5	9
52	A monoclonal antibody to assess oxidized cholesteryl esters associated with apoAI and apoB-100 lipoproteins in human plasma. <i>Journal of Lipid Research</i> , 2019, 60, 436-445.	4.2	7
53	Trained Immunity and HIV Infection. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	6
54	Reduced AIBP expression in bronchial epithelial cells of asthmatic patients: Potential therapeutic target. <i>Clinical and Experimental Allergy</i> , 2022, 52, 979-984.	2.9	0