Xiaohua Jiang

List of Publications by Year
in descending order

60 papers	3,912 citations	147801 31 h-index	149698 56 g-index
60 all docs	60 docs citations	60 times ranked	3541 citing authors

#	Article	IF	Citations
1	Monocyte Adhesion Assays for Detecting Endothelial Cell Activation in Vascular Inflammation and Atherosclerosis. Methods in Molecular Biology, 2022, 2419, 169-182.	0.9	13
2	Aorta in Pathologies May Function as an Immune Organ by Upregulating Secretomes for Immune and Vascular Cell Activation, Differentiation and Trans-Differentiationâ€"Early Secretomes may Serve as Drivers for Trained Immunity. Frontiers in Immunology, 2022, 13, 858256.	4.8	10
3	Chronic Exposure to the Combination of Cigarette Smoke and Morphine Decreases CD4+ Regulatory T Cell Numbers by Reprogramming the Treg Cell Transcriptome. Frontiers in Immunology, 2022, 13, 887681.	4.8	7
4	29 m6A-RNA Methylation (Epitranscriptomic) Regulators Are Regulated in 41 Diseases including Atherosclerosis and Tumors Potentially via ROS Regulation â€" 102 Transcriptomic Dataset Analyses. Journal of Immunology Research, 2022, 2022, 1-42.	2.2	19
5	Circular RNAs are a novel type of non-coding RNAs in ROS regulation, cardiovascular metabolic inflammations and cancers. , 2021, 220, 107715.		62
6	Ultrasound May Suppress Tumor Growth, Inhibit Inflammation, and Establish Tolerogenesis by Remodeling Innatome via Pathways of ROS, Immune Checkpoints, Cytokines, and Trained Immunity/Tolerance. Journal of Immunology Research, 2021, 2021, 1-33.	2.2	9
7	Trained Immunity and Reactivity of Macrophages and Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1032-1046.	2.4	56
8	Canonical Secretomes, Innate Immune Caspase-1-, 4/11-Gasdermin D Non-Canonical Secretomes and Exosomes May Contribute to Maintain Treg-Ness for Treg Immunosuppression, Tissue Repair and Modulate Anti-Tumor Immunity via ROS Pathways. Frontiers in Immunology, 2021, 12, 678201.	4.8	17
9	Endothelial Immunity Trained by Coronavirus Infections, DAMP Stimulations and Regulated by Anti-Oxidant NRF2 May Contribute to Inflammations, Myelopoiesis, COVID-19 Cytokine Storms and Thromboembolism. Frontiers in Immunology, 2021, 12, 653110.	4.8	43
10	Organelle Crosstalk Regulators Are Regulated in Diseases, Tumors, and Regulatory T Cells: Novel Classification of Organelle Crosstalk Regulators. Frontiers in Cardiovascular Medicine, 2021, 8, 713170.	2.4	11
11	Molecular processes mediating hyperhomocysteinemia-induced metabolic reprogramming, redox regulation and growth inhibition in endothelial cells. Redox Biology, 2021, 45, 102018.	9.0	16
12	Procaspase-1 patrolled to the nucleus of proatherogenic lipid LPC-activated human aortic endothelial cells induces ROS promoter CYP1B1 and strong inflammation. Redox Biology, 2021, 47, 102142.	9.0	16
13	IL-35 promotes CD4+Foxp3+ Tregs and inhibits atherosclerosis via maintaining CCR5-amplified Treg-suppressive mechanisms. JCI Insight, 2021, 6, .	5.0	26
14	Novel Knowledge-Based Transcriptomic Profiling of Lipid Lysophosphatidylinositol-Induced Endothelial Cell Activation. Frontiers in Cardiovascular Medicine, 2021, 8, 773473.	2.4	15
15	Hyperlipidemia May Synergize with Hypomethylation in Establishing Trained Immunity and Promoting Inflammation in NASH and NAFLD. Journal of Immunology Research, 2021, 2021, 1-35.	2.2	16
16	Anti-inflammatory cytokines IL-35 and IL-10 block atherogenic lysophosphatidylcholine-induced, mitochondrial ROS-mediated innate immune activation, but spare innate immune memory signature in endothelial cells. Redox Biology, 2020, 28, 101373.	9.0	61
17	ROS systems are a new integrated network for sensing homeostasis and alarming stresses in organelle metabolic processes. Redox Biology, 2020, 37, 101696.	9.0	154
18	Approaching Inflammation Paradoxesâ€"Proinflammatory Cytokine Blockages Induce Inflammatory Regulators. Frontiers in Immunology, 2020, 11, 554301.	4.8	28

#	Article	IF	Citations
19	Liver Ischemia Reperfusion Injury, Enhanced by Trained Immunity, Is Attenuated in Caspase 1/Caspase 11 Double Gene Knockout Mice. Pathogens, 2020, 9, 879.	2.8	33
20	Interleukin 35 Delays Hindlimb Ischemia-Induced Angiogenesis Through Regulating ROS-Extracellular Matrix but Spares Later Regenerative Angiogenesis. Frontiers in Immunology, 2020, 11, 595813.	4.8	13
21	Vascular Endothelial Cells and Innate Immunity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, e138-e152.	2.4	191
22	End-stage renal disease is different from chronic kidney disease in upregulating ROS-modulated proinflammatory secretome in PBMCs - A novel multiple-hit model for disease progression. Redox Biology, 2020, 34, 101460.	9.0	62
23	A Novel Subset of CD95+ Pro-Inflammatory Macrophages Overcome miR155 Deficiency and May Serve as a Switch From Metabolically Healthy Obesity to Metabolically Unhealthy Obesity. Frontiers in Immunology, 2020, 11, 619951.	4.8	12
24	Tissue Treg Secretomes and Transcription Factors Shared With Stem Cells Contribute to a Treg Niche to Maintain Treg-Ness With 80% Innate Immune Pathways, and Functions of Immunosuppression and Tissue Repair. Frontiers in Immunology, 2020, 11, 632239.	4.8	29
25	Ly6C⁺Inflammatory Monocyte Differentiation Partially Mediates Hyperhomocysteinemia-Induced Vascular Dysfunction in Type 2 Diabetic db/db Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2097-2119.	2.4	61
26	Increased acetylation of H3K14 in the genomic regions that encode trained immunity enzymes in lysophosphatidylcholine-activated human aortic endothelial cells â€“ Novel qualification markers for chronic disease risk factors and conditional DAMPs. Redox Biology, 2019, 24, 101221.	9.0	64
27	Increasing Upstream Chromatin Longâ€“Range Interactions May Favor Induction of Circular RNAs in LysoPC-Activated Human Aortic Endothelial Cells. Frontiers in Physiology, 2019, 10, 433.	2.8	30
28	Hyperhomocysteinemia potentiates diabetes-impaired EDHF-induced vascular relaxation: Role of insufficient hydrogen sulfide. Redox Biology, 2018, 16, 215-225.	9.0	41
29	IL-35 (Interleukin-35) Suppresses Endothelial Cell Activation by Inhibiting Mitochondrial Reactive Oxygen Species-Mediated Site-Specific Acetylation of H3K14 (Histone 3 Lysine 14). Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 599-609.	2.4	93
30	Lysophospholipids induce innate immune transdifferentiation of endothelial cells, resulting in prolonged endothelial activation. Journal of Biological Chemistry, 2018, 293, 11033-11045.	3.4	79
31	MicroRNA-155 Deficiency Leads to Decreased Atherosclerosis, Increased White Adipose Tissue Obesity, and Non-alcoholic Fatty Liver Disease. Journal of Biological Chemistry, 2017, 292, 1267-1287.	3.4	107
32	Caspase-1 mediates hyperlipidemia-weakened progenitor cell vessel repair. Frontiers in Bioscience - Landmark, 2016, 21, 178-191.	3.0	54
33	Chronic Kidney Disease Induces Inflammatory CD40 ⁺ Monocyte Differentiation via Homocysteine Elevation and DNA Hypomethylation. Circulation Research, 2016, 119, 1226-1241.	4.5	88
34	Mitochondrial Reactive Oxygen Species Mediate Lysophosphatidylcholine-Induced Endothelial Cell Activation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1090-1100.	2.4	187
35	Caspase-1 Inflammasome Activation Mediates Homocysteine-Induced Pyrop-Apoptosis in Endothelial Cells. Circulation Research, 2016, 118, 1525-1539.	4.5	198
36	Interleukin-17A Promotes Aortic Endothelial Cell Activation via Transcriptionally and Post-translationally Activating p38 Mitogen-activated Protein Kinase (MAPK) Pathway. Journal of Biological Chemistry, 2016, 291, 4939-4954.	3.4	92

#	Article	IF	Citations
37	Hyperhomocysteinemia suppresses bone marrow CD34 ⁺ /VEGF receptor 2 ⁺ cells and inhibits progenitor cell mobilization and homing to injured vasculatureâ€"a role of Î²1â€•integrin in progenitor cell migration and adhesion. FASEB Journal, 2015, 29, 3085-3099.	0.5	40
38	Early Hyperlipidemia Promotes Endothelial Activation via a Caspase-1-Sirtuin 1 Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 804-816.	2.4	197
39	Hyperhomocysteinemia and Hyperglycemia Induce and Potentiate Endothelial Dysfunction via Î¼-Calpain Activation. Diabetes, 2015, 64, 947-959.	0.6	66
40	Interleukin-35 Inhibits Endothelial Cell Activation by Suppressing MAPK-AP-1 Pathway. Journal of Biological Chemistry, 2015, 290, 19307-19318.	3.4	105
41	Hyperhomocysteinemia promotes vascular remodeling in vein graph in mice. Frontiers in Bioscience - Landmark, 2014, 19, 958.	3.0	7
42	Hyperhomocysteinemia Potentiates Hyperglycemia-Induced Inflammatory Monocyte Differentiation and Atherosclerosis. Diabetes, 2014, 63, 4275-4290.	0.6	104
43	IL-35 Is a Novel Responsive Anti-inflammatory Cytokine â€" A New System of Categorizing Anti-inflammatory Cytokines. PLoS ONE, 2012, 7, e33628.	2.5	230
44	Severe Hyperhomocysteinemia Promotes Bone Marrowâ€"Derived and Resident Inflammatory Monocyte Differentiation and Atherosclerosis in LDLr/CBS-Deficient Mice. Circulation Research, 2012, 111, 37-49.	4.5	123
45	MicroRNAs and other mechanisms regulate interleukin-17 cytokines and receptors. Frontiers in Bioscience - Elite, 2012, E4, 1478.	1.8	15
46	Structural evidence of anti-atherogenic microRNAs. Frontiers in Bioscience - Landmark, 2011, 16, 3133.	3.0	23
47	Hyperhomocysteinemia impairs endothelium-derived hyperpolarizing factorâ€"mediated vasorelaxation in transgenic cystathionine beta synthaseâ€"deficient mice. Blood, 2011, 118, 1998-2006.	1.4	64
48	ProatherogenIc Inflamatory mRNAs Have structural Features for Being Regulated by MicroRNAs. Blood, 2011, 118, 5316-5316.	1.4	0
49	Threeâ€•Tier Model for Inflammasome Expression and a New Concept of Inflammation Privilege. FASEB Journal, 2010, 24, 476.8.	0.5	0
50	Hyperhomocysteinemia Promotes Inflammatory Monocyte Generation and Accelerates Atherosclerosis in Transgenic Cystathionine Î²-Synthaseâ€"Deficient Mice. Circulation, 2009, 120, 1893-1902.	1.6	129
51	Differential Regulation of Homocysteine Transport in Vascular Endothelial and Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1976-1983.	2.4	33
52	Homocysteine inhibits endothelial cell growth via DNA hypomethylation of the cyclin Agene. Blood, 2007, 110, 3648-3655.	1.4	130
53	Hyperhomocysteinemia inhibits post-injury reendothelialization in mice. Cardiovascular Research, 2006, 69, 253-262.	3.8	60
54	Hyperhomocysteinemia Decreases Circulating High-Density Lipoprotein by Inhibiting Apolipoprotein A-I Protein Synthesis and Enhancing HDL Cholesterol Clearance. Circulation Research, 2006, 99, 598-606.	4.5	162

#	Article	IF	Citations
55	Regulation of Homocysteine Transport in Vascular Cells.. Blood, 2006, 108, 3926-3926.	1.4	0
56	Hyperhomocystinemia Impairs Endothelial Function and eNOS Activity via PKC Activation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2515-2521.	2.4	141
57	Hyperhomocysteinemia accelerates atherosclerosis in cystathionine Î²-synthase and apolipoprotein E double knock-out mice with and without dietary perturbation. Blood, 2003, 101, 3901-3907.	1.4	172
58	Cyclin A transcriptional suppression is the major mechanism mediating homocysteine-induced endothelial cell growth inhibition. Blood, 2002, 99, 939-945.	1.4	59
59	Cyclin A transcriptional suppression is the major mechanism mediating homocysteine-induced endothelial cell growth inhibition. Blood, 2002, 99, 939-945.	1.4	9
60	Cyclin A transcriptional suppression is the major mechanism mediating homocysteine-induced endothelial cell growth inhibition. Blood, 2002, 99, 939-45.	1.4	30