

# Yang Xia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6252274/publications.pdf>

Version: 2024-02-01

77  
papers

2,930  
citations

136950

32  
h-index

182427

51  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detrimental effects of adenosine signaling in sickle cell disease. <i>Nature Medicine</i> , 2011, 17, 79-86.	30.7	172
2	Sphingosine-1-phosphate promotes erythrocyte glycolysis and oxygen release for adaptation to high-altitude hypoxia. <i>Nature Communications</i> , 2016, 7, 12086.	12.8	163
3	Angiotensin Receptor Agonistic Autoantibodies and Hypertension. <i>Circulation Research</i> , 2013, 113, 78-87.	4.5	150
4	Beneficial Role of Erythrocyte Adenosine A2B Receptor-Mediated AMP-Activated Protein Kinase Activation in High-Altitude Hypoxia. <i>Circulation</i> , 2016, 134, 405-421.	1.6	115
5	Elevated sphingosine-1-phosphate promotes sickling and sickle cell disease progression. <i>Journal of Clinical Investigation</i> , 2014, 124, 2750-2761.	8.2	112
6	Comprehensive Characterization of Alternative Polyadenylation in Human Cancer. <i>Journal of the National Cancer Institute</i> , 2018, 110, 379-389.	6.3	111
7	AltitudeOmics: Red Blood Cell Metabolic Adaptation to High Altitude Hypoxia. <i>Journal of Proteome Research</i> , 2016, 15, 3883-3895.	3.7	98
8	Transient receptor potential vanilloid 4-expressing macrophages and keratinocytes contribute differentially to allergic and nonallergic chronic itch. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 608-619.e7.	2.9	85
9	Hypoxia-Independent Upregulation of Placental Hypoxia Inducible Factor-1 Gene Expression Contributes to the Pathogenesis of Preeclampsia. <i>Hypertension</i> , 2015, 65, 1307-1315.	2.7	83
10	Erythrocytes retain hypoxic adenosine response for faster acclimatization upon re-ascent. <i>Nature Communications</i> , 2017, 8, 14108.	12.8	81
11	Red blood cells as an organ? How deep omics characterization of the most abundant cell in the human body highlights other systemic metabolic functions beyond oxygen transport. <i>Expert Review of Proteomics</i> , 2018, 15, 855-864.	3.0	81
12	Potential Roles of Angiotensin Receptor-Activating Autoantibody in the Pathophysiology of Preeclampsia. <i>Hypertension</i> , 2007, 50, 269-275.	2.7	79
13	Increased adenosine contributes to penile fibrosis, a dangerous feature of priapism, via A <sub>2B</sub> adenosine receptor signaling. <i>FASEB Journal</i> , 2010, 24, 740-749.	0.5	75
14	Elevated Ecto-5'-nucleotidase-Mediated Increased Renal Adenosine Signaling Via A2B Adenosine Receptor Contributes to Chronic Hypertension. <i>Circulation Research</i> , 2013, 112, 1466-1478.	4.5	74
15	Beneficial and detrimental role of adenosine signaling in diseases and therapy. <i>Journal of Applied Physiology</i> , 2015, 119, 1173-1182.	2.5	67
16	Hypoxia-mediated impaired erythrocyte Landsâ€™ Cycle is pathogenic for sickle cell disease. <i>Scientific Reports</i> , 2016, 6, 29637.	3.3	65
17	Receptor-activating autoantibodies and disease: preeclampsia and beyond. <i>Expert Review of Clinical Immunology</i> , 2011, 7, 659-674.	3.0	61
18	Sustained Elevated Adenosine via ADORA2B Promotes Chronic Pain through Neuro-immune Interaction. <i>Cell Reports</i> , 2016, 16, 106-119.	6.4	61

#	ARTICLE	IF	CITATIONS
19	Elevated Endothelial Hypoxia-Inducible Factor-1 $\alpha$ Contributes to Glomerular Injury and Promotes Hypertensive Chronic Kidney Disease. <i>Hypertension</i> , 2015, 66, 75-84.	2.7	59
20	Mammalian Target of Rapamycin and Protein Kinase A Signaling Mediate the Cardiac Transcriptional Response to Glutamine. <i>Journal of Biological Chemistry</i> , 2003, 278, 13143-13150.	3.4	55
21	Angiotensin Receptors, Autoimmunity, and Preeclampsia. <i>Journal of Immunology</i> , 2007, 179, 3391-3395.	0.8	54
22	Is preeclampsia an autoimmune disease?. <i>Clinical Immunology</i> , 2009, 133, 1-12.	3.2	54
23	Hypoxia-Inducible Factor-1 $\alpha$ Reprograms Liver Macrophages to Protect Against Acute Liver Injury Through the Production of Interleukin-6. <i>Hepatology</i> , 2020, 71, 2105-2117.	7.3	50
24	Structural and Functional Insight of Sphingosine 1-Phosphate-Mediated Pathogenic Metabolic Reprogramming in Sickle Cell Disease. <i>Scientific Reports</i> , 2017, 7, 15281.	3.3	47
25	Erythrocyte Metabolic Reprogramming by Sphingosine 1-Phosphate in Chronic Kidney Disease and Therapies. <i>Circulation Research</i> , 2020, 127, 360-375.	4.5	45
26	Elevated adenosine signaling via adenosine A2B receptor induces normal and sickle erythrocyte sphingosine kinase 1 activity. <i>Blood</i> , 2015, 125, 1643-1652.	1.4	44
27	Adenosine signaling in normal and sickle erythrocytes and beyond. <i>Microbes and Infection</i> , 2012, 14, 863-873.	1.9	40
28	Blood donor exposome and impact of common drugs on red blood cell metabolism. <i>JCI Insight</i> , 2021, 6, .	5.0	39
29	Extracellular adenosine levels are associated with the progression and exacerbation of pulmonary fibrosis. <i>FASEB Journal</i> , 2016, 30, 874-883.	0.5	38
30	Excess LIGHT Contributes to Placental Impairment, Increased Secretion of Vasoactive Factors, Hypertension, and Proteinuria in Preeclampsia. <i>Hypertension</i> , 2014, 63, 595-606.	2.7	37
31	A <sub>2B</sub> adenosine receptor contributes to penile erection via PI3K/AKT signaling cascade-mediated eNOS activation. <i>FASEB Journal</i> , 2011, 25, 2823-2830.	0.5	36
32	Sphingosine-1-phosphate receptor 1 mediates elevated IL-6 signaling to promote chronic inflammation and multitissue damage in sickle cell disease. <i>FASEB Journal</i> , 2018, 32, 2855-2865.	0.5	35
33	Excess adenosine A2B receptor signaling contributes to priapism through HIF-1 $\alpha$ mediated reduction of PDE5 gene expression. <i>FASEB Journal</i> , 2014, 28, 2725-2735.	0.5	34
34	Metabolomic and molecular insights into sickle cell disease and innovative therapies. <i>Blood Advances</i> , 2019, 3, 1347-1355.	5.2	32
35	Adenosine and hyaluronan promote lung fibrosis and pulmonary hypertension in combined pulmonary fibrosis and emphysema. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	31
36	Deubiquitylase USP7 regulates human terminal erythroid differentiation by stabilizing GATA1. <i>Haematologica</i> , 2019, 104, 2178-2188.	3.5	28

#	ARTICLE	IF	CITATIONS
37	Erythrocyte transglutaminase-2 combats hypoxia and chronic kidney disease by promoting oxygen delivery and carnitine homeostasis. <i>Cell Metabolism</i> , 2022, 34, 299-316.e6.	16.2	28
38	Erythrocyte purinergic signaling components underlie hypoxia adaptation. <i>Journal of Applied Physiology</i> , 2017, 123, 951-956.	2.5	25
39	Erythrocyte adaptive metabolic reprogramming under physiological and pathological hypoxia. <i>Current Opinion in Hematology</i> , 2020, 27, 155-162.	2.5	25
40	Elevated Transglutaminase Activity Triggers Angiotensin Receptor Activating Autoantibody Production and Pathophysiology of Preeclampsia. <i>Journal of the American Heart Association</i> , 2015, 4, .	3.7	23
41	MiR133b is involved in endogenous hydrogen sulfide suppression of sFlt-1 production in human placenta. <i>Placenta</i> , 2017, 52, 33-40.	1.5	23
42	Visualizing red blood cell sickling and the effects of inhibition of sphingosine kinase 1 using soft x-ray tomography. <i>Journal of Cell Science</i> , 2016, 129, 3511-7.	2.0	21
43	Switching-Off Adora2b in Vascular Smooth Muscle Cells Halts the Development of Pulmonary Hypertension. <i>Frontiers in Physiology</i> , 2018, 9, 555.	2.8	21
44	Erythrocyte Adenosine A2B Receptor-Mediated AMPK Activation: A Missing Component Counteracting CKD by Promoting Oxygen Delivery. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1413-1424.	6.1	17
45	Minireview: Multiomic candidate biomarkers for clinical manifestations of sickle cell severity: Early steps to precision medicine. <i>Experimental Biology and Medicine</i> , 2016, 241, 772-781.	2.4	16
46	The equilibrative nucleoside transporter ENT1 is critical for nucleotide homeostasis and optimal erythropoiesis. <i>Blood</i> , 2021, 137, 3548-3562.	1.4	16
47	Maternal erythrocyte ENT1-mediated AMPK activation counteracts placental hypoxia and supports fetal growth. <i>JCI Insight</i> , 2020, 5, .	5.0	16
48	Purinergic control of red blood cell metabolism: novel strategies to improve red cell storage quality. <i>Blood Transfusion</i> , 2017, 15, 535-542.	0.4	16
49	Targeted Expression of Cre Recombinase Provokes Placental-Specific DNA Recombination in Transgenic Mice. <i>PLoS ONE</i> , 2012, 7, e29236.	2.5	15
50	Association between endothelial nitric oxide synthase 894G>T polymorphism and prostate cancer risk: a meta-analysis of literature studies. <i>Tumor Biology</i> , 2014, 35, 11727-11733.	1.8	14
51	Elevated ecto-5'-nucleotidase: a missing pathogenic factor and new therapeutic target for sickle cell disease. <i>Blood Advances</i> , 2018, 2, 1957-1968.	5.2	14
52	Tissue Transglutaminase-Mediated AT1 Receptor Sensitization Underlies Pro-inflammatory Cytokine LIGHT-Induced Hypertension. <i>American Journal of Hypertension</i> , 2019, 32, 476-485.	2.0	14
53	GATA factor-regulated solute carrier ensemble reveals a nucleoside transporter-dependent differentiation mechanism. <i>PLoS Genetics</i> , 2020, 16, e1009286.	3.5	13
54	Generation of Distal Renal Segments Involves a Unique Population of Aqp2+ Progenitor Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 3035-3049.	6.1	13

#	ARTICLE	IF	CITATIONS
55	Transglutaminase is a Critical Link Between Inflammation and Hypertension. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	12
56	Iron overload correlates with serum liver fibrotic markers and liver dysfunction: Potential new methods to predict iron overload-related liver fibrosis in thalassemia patients. <i>United European Gastroenterology Journal</i> , 2017, 5, 94-103.	3.8	11
57	Erythrocyte adenosine A2B receptor prevents cognitive and auditory dysfunction by promoting hypoxic and metabolic reprogramming. <i>PLoS Biology</i> , 2021, 19, e3001239.	5.6	11
58	Functions and Regulation of Erythrocyte Equilibrative Nucleoside Transporter 1 (ENT1) in Acute Hypoxia Mediated Tissue Injury. <i>Blood</i> , 2014, 124, 2666-2666.	1.4	10
59	Title is missing!. <i>Molecular and Cellular Biochemistry</i> , 1998, 180, 163-170.	3.1	9
60	Differential role of adenosine signaling cascade in acute and chronic pain. <i>Neuroscience Letters</i> , 2019, 712, 134483.	2.1	9
61	Adenosine A2B receptor: A pathogenic factor and a therapeutic target for sensorineural hearing loss. <i>FASEB Journal</i> , 2020, 34, 15771-15787.	0.5	9
62	A pre-eclampsia-associated Epstein-Barr virus antibody cross-reacts with placental GPR50. <i>Clinical Immunology</i> , 2016, 168, 64-71.	3.2	8
63	Maternal Supplementation of Inositols, Fucoxanthin, and Hydroxytyrosol in Pregnant Murine Models of Hypertension. <i>American Journal of Hypertension</i> , 2020, 33, 652-659.	2.0	7
64	PMA induces SnoN proteolysis and CD61 expression through an autocrine mechanism. <i>Cellular Signalling</i> , 2014, 26, 1369-1378.	3.6	5
65	Circadian period 2: a missing beneficial factor in sickle cell disease by lowering pulmonary inflammation, iron overload, and mortality. <i>FASEB Journal</i> , 2019, 33, 10528-10537.	0.5	5
66	p97 dysfunction underlies a loss of quality control of damaged membrane proteins and promotes oxidative stress and sickling in sickle cell disease. <i>FASEB Journal</i> , 2022, 36, e22246.	0.5	5
67	Metabolomic Approach in Probing Drug Candidates. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 1741-1749.	2.1	4
68	The pedigree analysis and prenatal diagnosis of Hong Kong $\beta^0/\beta^+$ Thalassemia and the sequence analysis of Hong Kong $\beta^0/\beta^+$ Allele. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2020, 8, e1285.	1.2	2
69	Alteration of liver immunity by increasing inflammatory response during co-administration of methamphetamine and atazanavir. <i>Immunopharmacology and Immunotoxicology</i> , 2020, 42, 237-245.	2.4	1
70	Elevated Adenosine Signaling Via Adenosine A2B Receptor Induces Normal and Sickle Erythrocyte Sphingosine Kinase 1 Activity. <i>Blood</i> , 2014, 124, 4067-4067.	1.4	1
71	Response to Letter Regarding Article, "Elevated Placental Adenosine Signaling Contributes to the Pathogenesis of Preeclampsia". <i>Circulation</i> , 2015, 132, e222-3.	1.6	0
72	Overexpressed PERK suppresses the neurodegenerative phenotypes in PINK1B9 flies by enhancing mitochondrial function. <i>Neurochemistry International</i> , 2020, 140, 104825.	3.8	0

#	ARTICLE	IF	CITATIONS
73	End-Alveolar Carbon Monoxide As a Measure of Erythrocyte Survival and Hemolytic Severity in Sickle Cell Disease. <i>Blood</i> , 2014, 124, 2696-2696.	1.4	0
74	Sphingosine 1-Phosphate (S1P)/S1P Receptor 1 Pathway Has an Essential Role for Sickle Cell Disease. <i>Blood</i> , 2014, 124, 4063-4063.	1.4	0
75	Sphingosine 1-Phosphate Induces Erythrocytes Sickling in Sickle Cell Disease By Promoting Hemoglobin S Aggregation. <i>Blood</i> , 2014, 124, 2673-2673.	1.4	0
76	Structural and Functional Insight of Sphingosine 1-Phosphate-Mediated Pathogenic Metabolic Reprogramming in Sickle Cell Disease. <i>Blood</i> , 2016, 128, 2474-2474.	1.4	0
77	Elevated Circadian Period 2: A Missing Beneficial Factor in Sickle Cell Disease By Lowering Pulmonary Inflammation, Iron Overload and Mortality. <i>Blood</i> , 2018, 132, 3644-3644.	1.4	0