

Da-Wei Zhang

List of Publications by Year in descending order

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73
papers

3,884
citations

159573

30
h-index

128286

60
g-index

75
all docs

75
docs citations

75
times ranked

4686
citing authors

#	ARTICLE	IF	CITATIONS
1	Binding of Proprotein Convertase Subtilisin/Kexin Type 9 to Epidermal Growth Factor-like Repeat A of Low Density Lipoprotein Receptor Decreases Receptor Recycling and Increases Degradation. <i>Journal of Biological Chemistry</i> , 2007, 282, 18602-18612.	3.4	660
2	Foam cells in atherosclerosis. <i>Clinica Chimica Acta</i> , 2013, 424, 245-252.	1.1	570
3	Structural requirements for PCSK9-mediated degradation of the low-density lipoprotein receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13045-13050.	7.1	199
4	Cholesterol transport system: An integrated cholesterol transport model involved in atherosclerosis. <i>Progress in Lipid Research</i> , 2019, 73, 65-91.	11.6	155
5	MicroRNA-27a/b regulates cellular cholesterol efflux, influx and esterification/hydrolysis in THP-1 macrophages. <i>Atherosclerosis</i> , 2014, 234, 54-64.	0.8	151
6	MicroRNA-19b promotes macrophage cholesterol accumulation and aortic atherosclerosis by targeting ATP-binding cassette transporter A1. <i>Atherosclerosis</i> , 2014, 236, 215-226.	0.8	108
7	Apelin and its receptor APJ in cardiovascular diseases. <i>Clinica Chimica Acta</i> , 2014, 428, 1-8.	1.1	106
8	Lipoprotein lipase: From gene to atherosclerosis. <i>Atherosclerosis</i> , 2014, 237, 597-608.	0.8	89
9	Identification of an Amino Acid Residue in Multidrug Resistance Protein 1 Critical for Conferring Resistance to Anthracyclines. <i>Journal of Biological Chemistry</i> , 2001, 276, 13231-13239.	3.4	80
10	Sterol Transfer by ABCG5 and ABCG8. <i>Journal of Biological Chemistry</i> , 2006, 281, 27894-27904.	3.4	72
11	ATP-binding cassette transporters and cholesterol translocation. <i>IUBMB Life</i> , 2013, 65, 505-512.	3.4	66
12	Itaconate: an emerging determinant of inflammation in activated macrophages. <i>Immunology and Cell Biology</i> , 2019, 97, 134-141.	2.3	66
13	Identification of a Nonconserved Amino Acid Residue in Multidrug Resistance Protein 1 Important for Determining Substrate Specificity. <i>Journal of Biological Chemistry</i> , 2001, 276, 34966-34974.	3.4	60
14	Apelin-13 increases expression of ATP-binding cassette transporter A1 via activating protein kinase C β signaling in THP-1 macrophage-derived foam cells. <i>Atherosclerosis</i> , 2013, 226, 398-407.	0.8	55
15	Antagonism of Betulinic Acid on LPS-Mediated Inhibition of ABCA1 and Cholesterol Efflux through Inhibiting Nuclear Factor- κ B Signaling Pathway and miR-33 Expression. <i>PLoS ONE</i> , 2013, 8, e74782.	2.5	52
16	MicroRNA-467b targets LPL gene in RAW 264.7 macrophages and attenuates lipid accumulation and proinflammatory cytokine secretion. <i>Biochimie</i> , 2012, 94, 2749-2755.	2.6	47
17	Functional Importance of Polar and Charged Amino Acid Residues in Transmembrane Helix 14 of Multidrug Resistance Protein 1 (MRP1/ABCC1). <i>Journal of Biological Chemistry</i> , 2003, 278, 46052-46063.	3.4	45
18	D4F alleviates macrophage-derived foam cell apoptosis by inhibiting CD36 expression and ER stress-CHOP pathway. <i>Journal of Lipid Research</i> , 2015, 56, 836-847.	4.2	45

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19	Heat shock protein 70 accelerates atherosclerosis by downregulating the expression of ABCA1 and ABCG1 through the JNK/Elk-1 pathway. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 806-822.	2.4	45
20	Functional Asymmetry of Nucleotide-binding Domains in ABCG5 and ABCG8. <i>Journal of Biological Chemistry</i> , 2006, 281, 4507-4516.	3.4	44
21	Determinants of the Substrate Specificity of Multidrug Resistance Protein 1. <i>Journal of Biological Chemistry</i> , 2002, 277, 20934-20941.	3.4	43
22	Photolabeling of Human and Murine Multidrug Resistance Protein 1 with the High Affinity Inhibitor [125I]LY475776 and Azidophenacyl-[35S]Glutathione. <i>Journal of Biological Chemistry</i> , 2002, 277, 35225-35231.	3.4	42
23	Mutational Analysis of Ionizable Residues Proximal to the Cytoplasmic Interface of Membrane Spanning Domain 3 of the Multidrug Resistance Protein, MRP1 (ABCC1). <i>Journal of Biological Chemistry</i> , 2004, 279, 38871-38880.	3.4	41
24	Purification and Reconstitution of Sterol Transfer by Native Mouse ABCG5 and ABCG8. <i>Biochemistry</i> , 2008, 47, 5194-5204.	2.5	41
25	Characterization of the role of EGF-A of low density lipoprotein receptor in PCSK9 binding. <i>Journal of Lipid Research</i> , 2013, 54, 3345-3357.	4.2	41
26	Interleukin-18 and Interleukin-12 Together Downregulate ATP-Binding Cassette Transporter A1 Expression Through the Interleukin-18R/Nuclear Factor- κ B Signaling Pathway in THP-1 Macrophage-Derived Foam Cells. <i>Circulation Journal</i> , 2012, 76, 1780-1791.	1.6	39
27	MicroRNA-33 in atherosclerosis etiology and pathophysiology. <i>Atherosclerosis</i> , 2013, 227, 201-208.	0.8	37
28	Regulation of PCSK9 Expression and Function: Mechanisms and Therapeutic Implications. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 764038.	2.4	37
29	CXCL12 promotes atherosclerosis by downregulating ABCA1 expression via the CXCR4/GSK3 β /I χ 2-catenin/T120/TCF21 pathway. <i>Journal of Lipid Research</i> , 2019, 60, 2020-2033.	4.2	36
30	Characterization of the Role of Polar Amino Acid Residues within Predicted Transmembrane Helix 17 in Determining the Substrate Specificity of Multidrug Resistance Protein 3. <i>Biochemistry</i> , 2003, 42, 9989-10000.	2.5	33
31	The effects of miR-467b on lipoprotein lipase (LPL) expression, pro-inflammatory cytokine, lipid levels and atherosclerotic lesions in apolipoprotein E knockout mice. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 428-434.	2.1	32
32	Hypercholesterolemia, low density lipoprotein receptor and proprotein convertase subtilisin/kexin-type 9. <i>Journal of Biomedical Research</i> , 2015, 29, 356.	1.6	31
33	Clq tumor necrosis factor-related protein 9 in atherosclerosis: Mechanistic insights and therapeutic potential. <i>Atherosclerosis</i> , 2018, 276, 109-116.	0.8	31
34	Transmembrane Helix 11 of Multidrug Resistance Protein 1 (MRP1/ABCC1): Identification of Polar Amino Acids Important for Substrate Specificity and Binding of ATP at Nucleotide Binding Domain 1. <i>Biochemistry</i> , 2004, 43, 9413-9425.	2.5	30
35	MOLECULAR CLONING AND PHARMACOLOGICAL CHARACTERIZATION OF RAT MULTIDRUG RESISTANCE PROTEIN 1 (MRP1). <i>Drug Metabolism and Disposition</i> , 2003, 31, 1016-1026.	3.3	29
36	Characterization of palmitoylation of ATP binding cassette transporter G1: Effect on protein trafficking and function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 1067-1078.	2.4	29

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37	Caveolin-1 interacts with ATP binding cassette transporter G1 (ABCG1) and regulates ABCG1-mediated cholesterol efflux. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 847-858.	2.4	29
38	Membrane type 1 matrix metalloproteinase promotes LDL receptor shedding and accelerates the development of atherosclerosis. <i>Nature Communications</i> , 2021, 12, 1889.	12.8	29
39	Posttranscriptional Regulation of ATP-Binding Cassette Transporter A1 in Lipid Metabolism. <i>DNA and Cell Biology</i> , 2013, 32, 348-358.	1.9	28
40	Pregnancy-Associated Plasma Protein-A Accelerates Atherosclerosis by Regulating Reverse Cholesterol Transport and Inflammation. <i>Circulation Journal</i> , 2019, 83, 515-523.	1.6	27
41	Surf4 regulates expression of proprotein convertase subtilisin/kexin type 9 (PCSK9) but is not required for PCSK9 secretion in cultured human hepatocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158555.	2.4	25
42	MUTATIONAL ANALYSIS OF POLAR AMINO ACID RESIDUES WITHIN PREDICTED TRANSMEMBRANE HELICES 10 AND 16 OF MULTIDRUG RESISTANCE PROTEIN 1 (ABCC1): EFFECT ON SUBSTRATE SPECIFICITY. <i>Drug Metabolism and Disposition</i> , 2006, 34, 539-546.	3.3	24
43	Pregnancy-associated plasma protein-A in atherosclerosis: Molecular marker, mechanistic insight, and therapeutic target. <i>Atherosclerosis</i> , 2018, 278, 250-258.	0.8	24
44	Characterization of the Role of a Highly Conserved Sequence in ATP Binding Cassette Transporter G (ABCG) Family in ABCG1 Stability, Oligomerization, and Trafficking. <i>Biochemistry</i> , 2013, 52, 9497-9509.	2.5	22
45	Visceral adipose tissue-derived serine protease inhibitor accelerates cholesterol efflux by up-regulating ABCA1 expression via the NF- κ B/miR-33a pathway in THP-1 macrophage-derived foam cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 318-324.	2.1	22
46	Angiotensin-1 aggravates atherosclerosis by inhibiting cholesterol efflux and promoting inflammatory response. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158535.	2.4	21
47	Caveolin-1 and ATP Binding Cassette Transporter A1 and G1-Mediated Cholesterol Efflux. <i>Cardiovascular & Hematological Disorders Drug Targets</i> , 2014, 14, 142-148.	0.7	20
48	Growth differentiation factor-15 induces expression of ATP-binding cassette transporter A1 through PI3-K/PKC α /SP1 pathway in THP-1 macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2014, 444, 325-331.	2.1	19
49	Identification of an Amino Acid Residue Critical for Plasma Membrane Localization of ATP-Binding Cassette Transporter G1. <i>Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 253-255.	2.4	18
50	Artesunate inhibits atherosclerosis by upregulating vascular smooth muscle cells-derived LPL expression via the KLF2/NRF2/TCF7L2 pathway. <i>European Journal of Pharmacology</i> , 2020, 884, 173408.	3.5	18
51	The role of the C-terminal domain of PCSK9 and SEC24 isoforms in PCSK9 secretion. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158660.	2.4	18
52	Hydrogen Sulfide Switch Phenomenon Regulating Autophagy in Cardiovascular Diseases. <i>Cardiovascular Drugs and Therapy</i> , 2020, 34, 113-121.	2.6	18
53	Astragalol Retards Atherosclerosis by Promoting Cholesterol Efflux and Inhibiting the Inflammatory Response via Upregulating ABCA1 and ABCG1 Expression in Macrophages. <i>Journal of Cardiovascular Pharmacology</i> , 2021, 77, 217-227.	1.9	18
54	Atherosclerosis-associated hepatic secretion of VLDL but not PCSK9 is dependent on cargo receptor protein Surf4. <i>Journal of Lipid Research</i> , 2021, 62, 100091.	4.2	18

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55	Proprotein Convertase Subtilisin/Kexin-Type 9 and Lipid Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1276, 137-156.	1.6	18
56	Tertiary-Butylhydroquinone Upregulates Expression of ATP-Binding Cassette Transporter A1 via Nuclear Factor E2-Related Factor 2/Heme Oxygenase-1 Signaling in THP-1 Macrophage-Derived Foam Cells. <i>Circulation Journal</i> , 2013, 77, 2399-2408.	1.6	17
57	Coiled-coil domain-containing 80 accelerates atherosclerosis development through decreasing lipoprotein lipase expression via ERK1/2 phosphorylation and TET2 expression. <i>European Journal of Pharmacology</i> , 2019, 843, 177-189.	3.5	16
58	Identification of an amino acid residue in ATP-binding cassette transport G1 critical for mediating cholesterol efflux. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 552-559.	2.4	15
59	HDL impairs osteoclastogenesis and induces osteoclast apoptosis via upregulation of ABCG1 expression. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 853-861.	2.0	14
60	MicroRNA-377 Inhibits Atherosclerosis by Regulating Triglyceride Metabolism Through the DNA Methyltransferase 1 in Apolipoprotein E-Knockout Mice. <i>Circulation Journal</i> , 2018, 82, 2861-2871.	1.6	13
61	MMP-2 inhibits PCSK9-induced degradation of the LDL receptor in Hepa1c7 cells. <i>FEBS Letters</i> , 2015, 589, 490-496.	2.8	12
62	The Long Noncoding RNA Metastasis-Associated Lung Adenocarcinoma Transcript-1 Regulates CCDC80 Expression by Targeting miR-141-3p/miR-200a-3p in Vascular Smooth Muscle Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2020, 75, 336-343.	1.9	12
63	Interleukin-5 promotes ATP-binding cassette transporter A1 expression through miR-211/JAK2/STAT3 pathways in THP-1-derived macrophages. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 832-841.	2.0	11
64	Membrane-type I matrix metalloproteinase (MT1-MMP), lipid metabolism, and therapeutic implications. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 513-526.	3.3	11
65	Krüppel-like factor 14 inhibits atherosclerosis via mir-27a-mediated down-regulation of lipoprotein lipase expression in vivo. <i>Atherosclerosis</i> , 2019, 289, 143-161.	0.8	10
66	Identification of amino acid residues in the ligand binding repeats of LDL receptor important for PCSK9 binding. <i>Journal of Lipid Research</i> , 2019, 60, 516-527.	4.2	10
67	Loss of TIMP4 (Tissue Inhibitor of Metalloproteinase 4) Promotes Atherosclerotic Plaque Deposition in the Abdominal Aorta Despite Suppressed Plasma Cholesterol Levels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1874-1889.	2.4	10
68	The role of hepatic Surf4 in lipoprotein metabolism and the development of atherosclerosis in apoE ^{-/-} mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159196.	2.4	8
69	Protein tyrosine nitration in atherosclerotic endothelial dysfunction. <i>Clinica Chimica Acta</i> , 2022, 529, 34-41.	1.1	7
70	ApoA-1 Mimetic Peptide ELK-2A2K2E Decreases Inflammatory Factor Levels Through the ABCA1-JAK2-STAT3-TTP Axis in THP-1-Derived Macrophages. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 72, 60-67.	1.9	5
71	Loss of Hepatic Surf4 Depletes Lipid Droplets in the Adrenal Cortex but Does Not Impair Adrenal Hormone Production. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 764024.	2.4	5
72	ATP-binding cassette transporters and cholesterol translocation. <i>IUBMB Life</i> , 2013, 65, n/a-n/a.	3.4	3

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73	Mutational analysis of polar amino acid residues within predicted transmembrane helices of Multidrug Resistance Protein 1 (ABCC1): Effect on substrate specificity. FASEB Journal, 2007, 21, A196.	0.5	1