

Fanfan Zhou

List of Publications by Year in descending order

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104
papers

2,559
citations

159585
30
h-index

243625
44
g-index

106
all docs

106
docs citations

106
times ranked

3262
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Glycosylation in the Organic Anion Transporter OAT1. <i>Journal of Biological Chemistry</i> , 2004, 279, 14961-14966.	3.4	109
2	The Role of N-Linked Glycosylation in Protein Folding, Membrane Targeting, and Substrate Binding of Human Organic Anion Transporter hOAT4. <i>Molecular Pharmacology</i> , 2005, 67, 868-876.	2.3	103
3	Protective Effect of Paeoniflorin on H_2O_2 -Induced SH-SY5Y Cell Injury by Preventing Mitochondrial Dysfunction. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 227-234.	3.3	90
4	Investigation of Gallic Acid Induced Anticancer Effect in Human Breast Carcinoma MCF-7 Cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2014, 28, 387-393.	3.0	81
5	Molecular Insights into the Structure-Function Relationship of Organic Anion Transporters OATs. <i>Pharmaceutical Research</i> , 2006, 24, 28-36.	3.5	69
6	Ziyuglycoside II induces cell cycle arrest and apoptosis through activation of ROS/JNK pathway in human breast cancer cells. <i>Toxicology Letters</i> , 2014, 227, 65-73.	0.8	62
7	Chloroquine and Hydroxychloroquine Are Novel Inhibitors of Human Organic Anion Transporting Polypeptide 1A2. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 884-890.	3.3	61
8	Recent advance in the pharmacogenomics of human Solute Carrier Transporters (SLCs) in drug disposition. <i>Advanced Drug Delivery Reviews</i> , 2017, 116, 21-36.	13.7	61
9	Puerarin inhibits amyloid $\text{A}\beta$ -induced NLRP3 inflammasome activation in retinal pigment epithelial cells via suppressing ROS-dependent oxidative and endoplasmic reticulum stresses. <i>Experimental Cell Research</i> , 2017, 357, 335-340.	2.6	56
10	Selective Inhibition of Human Solute Carrier Transporters by Multikinase Inhibitors. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1851-1857.	3.3	55
11	The Expression of ABC Efflux Pump, Rv1217c and Rv1218c, and Its Association with Multidrug Resistance of <i>Mycobacterium tuberculosis</i> in China. <i>Current Microbiology</i> , 2013, 66, 222-226.	2.2	54
12	Amyloid $\text{A}\beta$ induces NLRP3 inflammasome activation in retinal pigment epithelial cells via NADPH oxidase-dependent and mitochondria-independent ROS production. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21887.	3.0	53
13	Human oligopeptide transporter 2 (PEPT2) mediates cellular uptake of polymyxins. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 403-412.	3.0	52
14	Role of human CYP3A4 in the biotransformation of sorafenib to its major oxidized metabolites. <i>Biochemical Pharmacology</i> , 2012, 84, 215-223.	4.4	50
15	Disruption of De Novo Serine Synthesis in Müller Cells Induced Mitochondrial Dysfunction and Aggravated Oxidative Damage. <i>Molecular Neurobiology</i> , 2018, 55, 7025-7037.	4.0	49
16	Trafficking and other regulatory mechanisms for organic anion transporting polypeptides and organic anion transporters that modulate cellular drug and xenobiotic influx and that are dysregulated in disease. <i>British Journal of Pharmacology</i> , 2017, 174, 1908-1924.	5.4	44
17	Ziyuglycoside II Inhibits the Growth of Human Breast Carcinoma MDA-MB-435 Cells via Cell Cycle Arrest and Induction of Apoptosis through the Mitochondria Dependent Pathway. <i>International Journal of Molecular Sciences</i> , 2013, 14, 18041-18055.	4.1	43
18	Human Organic Anion Transporter hOAT1 Forms Homooligomers. <i>Journal of Biological Chemistry</i> , 2005, 280, 32285-32290.	3.4	42

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19	Protein kinase C regulates the internalization and function of the human organic anion transporting polypeptide 1A2. <i>British Journal of Pharmacology</i> , 2011, 162, 1380-1388.	5.4	41
20	Functional Analysis of Novel Polymorphisms in the Human SLCO1A2 Gene that Encodes the Transporter OATP1A2. <i>AAPS Journal</i> , 2013, 15, 1099-1108.	4.4	41
21	Regulation of human organic anion transporter 4 by progesterone and protein kinase C in human placental BeWo cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E57-E61.	3.5	39
22	Critical Amino Acid Residues in Transmembrane Domain 1 of the Human Organic Anion Transporter hOAT1. <i>Journal of Biological Chemistry</i> , 2004, 279, 31478-31482.	3.4	38
23	Human macular Müller cells rely more on serine biosynthesis to combat oxidative stress than those from the periphery. <i>ELife</i> , 2019, 8, .	6.0	38
24	Paeoniflorin attenuates atRAL-induced oxidative stress, mitochondrial dysfunction and endoplasmic reticulum stress in retinal pigment epithelial cells via triggering Ca ²⁺ /CaMKII-dependent activation of AMPK. <i>Archives of Pharmacol Research</i> , 2018, 41, 1009-1018.	6.3	37
25	The Inhibitory Effects of the Bioactive Components Isolated from <i>Scutellaria Baicalensis</i> on the Cellular Uptake Mediated by the Essential Solute Carrier Transporters. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 4205-4211.	3.3	35
26	Ultrasensitive detection of microRNA with isothermal amplification and a time-resolved fluorescence sensor. <i>Biosensors and Bioelectronics</i> , 2014, 57, 91-95.	10.1	35
27	Functional characterization of a human organic anion transporter hOAT4 in placental BeWo cells. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 27, 518-523.	4.0	34
28	Functional characterization of nonsynonymous single nucleotide polymorphisms in the human organic anion transporter 4 (hOAT4). <i>British Journal of Pharmacology</i> , 2010, 159, 419-427.	5.4	34
29	Potential Toxicity of Polymyxins in Human Lung Epithelial Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	34
30	The FoxM1-ABCC4 axis mediates carboplatin resistance in human retinoblastoma Y-79 cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 914-920.	2.0	34
31	Galectin-1 knockdown in carcinoma-associated fibroblasts inhibits migration and invasion of human MDA-MB-231 breast cancer cells by modulating MMP-9 expression. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 462-467.	2.0	32
32	The Role of Glycine Residues in the Function of Human Organic Anion Transporter 4. <i>Molecular Pharmacology</i> , 2004, 65, 1141-1147.	2.3	30
33	Human organic anion transporting polypeptide 1<sc>A</sc>2 (<sc>OATP1A2</sc>) mediates cellular uptake of allâ€‹trans</i>â€‹retinol in human retinal pigmented epithelial cells. <i>British Journal of Pharmacology</i> , 2015, 172, 2343-2353.	5.4	30
34	Cysteine residues in the organic anion transporter mOAT1. <i>Biochemical Journal</i> , 2004, 380, 283-287.	3.7	28
35	Comparison of the Interaction of Human Organic Anion Transporter hOAT4 with PDZ Proteins between Kidney Cells and Placental Cells. <i>Pharmaceutical Research</i> , 2008, 25, 475-480.	3.5	28
36	Antiproliferative and Antimigratory Actions of Synthetic Long Chain n-3 Monounsaturated Fatty Acids in Breast Cancer Cells That Overexpress Cyclooxygenase-2. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7163-7172.	6.4	28

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37	Tetramethylpyrazine Protects Retinal Capillary Endothelial Cells (TR-iBRB2) against IL-1 β -Induced Nitrate/Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21775-21790.	4.1	26
38	FoxM1 inhibition enhances chemosensitivity of docetaxel-resistant A549 cells to docetaxel via activation of JNK/mitochondrial pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 804-809.	2.0	26
39	Interactions of the active components of <i>Punica granatum</i> (pomegranate) with the essential renal and hepatic human Solute Carrier transporters. <i>Pharmaceutical Biology</i> , 2014, 52, 1510-1517.	2.9	25
40	Puerarin Protects Human Neuroblastoma SH-SY5Y Cells against Glutamate-Induced Oxidative Stress and Mitochondrial Dysfunction. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016, 30, 22-28.	3.0	25
41	The effect of puerarin against IL-1 β -mediated leukostasis and apoptosis in retinal capillary endothelial cells (TR-iBRB2). <i>Molecular Vision</i> , 2014, 20, 1815-23.	1.1	25
42	Functional Analysis of Novel Variants in the Organic Cation/Ergothioneine Transporter 1 Identified in Singapore Populations. <i>Molecular Pharmaceutics</i> , 2013, 10, 2509-2516.	4.6	24
43	Induction of oxidative and nitrosative stresses in human retinal pigment epithelial cells by all-trans-retinal. <i>Experimental Cell Research</i> , 2016, 348, 87-94.	2.6	24
44	PDZK1 and NHERF1 Regulate the Function of Human Organic Anion Transporting Polypeptide 1A2 (OATP1A2) by Modulating Its Subcellular Trafficking and Stability. <i>PLoS ONE</i> , 2014, 9, e94712.	2.5	24
45	Evaluation of co-delivery of colistin and ciprofloxacin in liposomes using an in vitro human lung epithelial cell model. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118616.	5.2	23
46	The involvement of human organic anion transporting polypeptides (OATPs) in drug-herb/food interactions. <i>Chinese Medicine</i> , 2020, 15, 71.	4.0	21
47	Putative Transmembrane Domain 6 of the Human Organic Anion Transporting Polypeptide 1A2 (OATP1A2) Influences Transporter Substrate Binding, Protein Trafficking, and Quality Control. <i>Molecular Pharmaceutics</i> , 2015, 12, 111-119.	4.6	20
48	Neuroprotective Effect of Puerarin on Glutamate-Induced Cytotoxicity in Differentiated Y-79 Cells via Inhibition of ROS Generation and Ca ²⁺ Influx. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1109.	4.1	20
49	A derivative of betulinic acid protects human Retinal Pigment Epithelial (RPE) cells from cobalt chloride-induced acute hypoxic stress. <i>Experimental Eye Research</i> , 2019, 180, 92-101.	2.6	20
50	Procyanidin B2 and rutin in Ginkgo biloba extracts protect human retinal pigment epithelial (RPE) cells from oxidative stress by modulating Nrf2 and Erk1/2 signalling. <i>Experimental Eye Research</i> , 2021, 207, 108586.	2.6	20
51	Impaired transactivation of the human CYP2J2 arachidonic acid epoxygenase gene in HepG2 cells subjected to nitrate stress. <i>British Journal of Pharmacology</i> , 2010, 159, 1440-1449.	5.4	19
52	Interaction of the Bioactive Flavonol, Icaritin, with the Essential Human Solute Carrier Transporters. <i>Journal of Biochemical and Molecular Toxicology</i> , 2014, 28, 91-97.	3.0	19
53	Ciliary neurotrophic factor protects SH-SY5Y neuroblastoma cells against A β 1-42 -induced neurotoxicity via activating the JAK2/STAT3 axis. <i>Folia Neuropathologica</i> , 2015, 3, 226-235.	1.2	19
54	Development of new therapeutic options for the treatment of uveal melanoma. <i>FEBS Journal</i> , 2021, 288, 6226-6249.	4.7	19

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55	Optimization of inhalable liposomal powder formulations and evaluation of their in vitro drug delivery behavior in Calu-3 human lung epithelial cells. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119570.	5.2	18
56	Mutational analysis of histidine residues in human organic anion transporter 4 (hOAT4). <i>Biochemical Journal</i> , 2004, 384, 87-92.	3.7	16
57	The Putative Transmembrane Segment 7 of Human Organic Anion Transporter hOAT1 Dictates Transporter Substrate Binding and Stability. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 1209-1215.	2.5	16
58	Polyphyllin I Induces Cell Cycle Arrest and Cell Apoptosis in Human Retinoblastoma Y-79 Cells through Targeting p53. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 875-881.	1.7	16
59	Interphotoreceptor Retinoid-Binding Protein (IRBP) in Retinal Health and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 577935.	3.7	15
60	Functional analysis of pharmacogenetic variants of human organic cation/carnitine transporter 2 (hOCTN2) identified in Singaporean populations. <i>Biochemical Pharmacology</i> , 2011, 82, 1692-1699.	4.4	14
61	Corosolic acid induces cell cycle arrest and cell apoptosis in human retinoblastoma Y-79 cells via disruption of MELK-FoxM1 signaling. <i>Oncology Reports</i> , 2018, 39, 2777-2786.	2.6	14
62	Association of <i>SLC22A4</i> Gene Polymorphism with Rheumatoid Arthritis in the Chinese Population. <i>Journal of Biochemical and Molecular Toxicology</i> , 2014, 28, 206-210.	3.0	13
63	The Altered Renal and Hepatic Expression of Solute Carrier Transporters (SLCs) in Type 1 Diabetic Mice. <i>PLoS ONE</i> , 2015, 10, e0120760.	2.5	13
64	Characterization of an organic anion transport system in a placental cell line. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E1103-E1109.	3.5	12
65	Putative Transmembrane Domain 12 of the Human Organic Anion Transporter hOAT1 Determines Transporter Stability and Maturation Efficiency. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 650-658.	2.5	12
66	The inhibitory effects of camptothecin (CPT) and its derivatives on the substrate uptakes mediated by human solute carrier transporters (SLCs). <i>Xenobiotica</i> , 2016, 46, 831-840.	1.1	12
67	Neuroprotective effect of tetramethylpyrazine against all-trans-retinal toxicity in the differentiated Y-79 cells via upregulation of IRBP expression. <i>Experimental Cell Research</i> , 2017, 359, 120-128.	2.6	12
68	Intracellular localization of polymyxins in human alveolar epithelial cells. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 48-57.	3.0	11
69	Betulinic acid derivatives can protect human MÄ½ller cells from glutamate-induced oxidative stress. <i>Experimental Cell Research</i> , 2019, 383, 111509.	2.6	11
70	Association between SLCO1A2 genetic variation and methotrexate toxicity in human rheumatoid arthritis treatment. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020, 34, e22513.	3.0	11
71	Dysregulation of interâ€photoreceptor retinoidâ€binding protein (IRBP) after induced MÄ½ller cell disruption. <i>Journal of Neurochemistry</i> , 2015, 133, 909-918.	3.9	10
72	Casein Kinase 2 Is a Novel Regulator of the Human Organic Anion Transporting Polypeptide 1A2 (OATP1A2) Trafficking. <i>Molecular Pharmaceutics</i> , 2016, 13, 144-154.	4.6	10

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73	The inhibitory effects of eighteen front-line antibiotics on the substrate uptake mediated by human Organic anion/cation transporters, Organic anion transporting polypeptides and Oligopeptide transporters in in vitro models. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 132-143.	4.0	10
74	Triggering p53 activation is essential in ziyuglycoside induced human retinoblastoma WERI cell apoptosis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22001.	3.0	10
75	Simvastatin protects photoreceptors from oxidative stress induced by all-trans retinal, through the up-regulation of interphotoreceptor retinoid binding protein. <i>British Journal of Pharmacology</i> , 2019, 176, 2063-2078.	5.4	10
76	Gas1 Knockdown Increases the Neuroprotective Effect of Glial Cell-Derived Neurotrophic Factor Against Glutamate-Induced Cell Injury in Human SH-SY5Y Neuroblastoma Cells. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 603-611.	3.3	9
77	Characterization of canonical Wnt signalling changes after induced disruption of Müller cell in murine retina. <i>Experimental Eye Research</i> , 2018, 175, 173-180.	2.6	9
78	Ubiquitin-proteasome system-targeted therapy for uveal melanoma: what is the evidence?. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 179-188.	6.1	9
79	Compritrol solid lipid nanoparticle formulations enhance the protective effect of betulinic acid derivatives in human Müller cells against oxidative injury. <i>Experimental Eye Research</i> , 2022, 215, 108906.	2.6	9
80	Original article Neuroprotective properties of ciliary neurotrophic factor on retinoic acid (RA)-predifferentiated SH-SY5Y neuroblastoma cells. <i>Folia Neuropathologica</i> , 2014, 2, 121-127.	1.2	8
81	The Potential Application of Pentacyclic Triterpenoids in the Prevention and Treatment of Retinal Diseases. <i>Planta Medica</i> , 2021, 87, 511-527.	1.3	8
82	Roles of Mitogen-Activated Protein Kinases in the Regulation of CYP Genes. <i>Current Drug Metabolism</i> , 2010, 11, 850-858.	1.2	7
83	High-level expression and one-step purification of a soluble recombinant human interleukin-37b in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2015, 108, 18-22.	1.3	7
84	The 5'-AMP-Activated Protein Kinase Regulates the Function and Expression of Human Organic Anion Transporting Polypeptide 1A2. <i>Molecular Pharmacology</i> , 2018, 94, 1412-1420.	2.3	7
85	Calreticulin regulates MYCN expression to control neuronal differentiation and stemness of neuroblastoma. <i>Journal of Molecular Medicine</i> , 2019, 97, 325-339.	3.9	7
86	Elaiophyllin Inhibits Tumorigenesis of Human Uveal Melanoma by Suppressing Mitophagy and Inducing Oxidative Stress via Modulating SIRT1/FoxO3a Signaling. <i>Frontiers in Oncology</i> , 2022, 12, 788496.	2.8	7
87	Procyanidin B2 suppresses hyperglycemia-induced renal mesangial cell dysfunction by modulating CAV1-dependent signaling. <i>Experimental and Therapeutic Medicine</i> , 2022, 24, .	1.8	6
88	Anti-proliferative actions of N-desmethylsorafenib in human breast cancer cells. <i>Biochemical Pharmacology</i> , 2013, 86, 419-427.	4.4	5
89	The Role of N-Glycosylation in Maintaining the Transporter Activity and Expression of Human Oligopeptide Transporter 1. <i>Molecular Pharmaceutics</i> , 2016, 13, 3449-3456.	4.6	5
90	The inhibitory effects of five alkaloids on the substrate transport mediated through human organic anion and cation transporters. <i>Xenobiotica</i> , 2018, 48, 197-205.	1.1	5

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91	Impaired Transport Activity of Human Organic Anion Transporters (OATs) and Organic Anion Transporting Polypeptides (OATPs) by Wnt Inhibitors. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 914-924.	3.3	5
92	Tubeimoside II inhibits TGF- β 1-induced metastatic progression of human retinoblastoma cells through suppressing redoxosome-dependent EGFR activation. <i>Chemico-Biological Interactions</i> , 2021, 335, 109367.	4.0	5
93	High level soluble expression, purification, and characterization of human ciliary neuronotrophic factor in <i>Escherichia coli</i> by single protein production system. <i>Protein Expression and Purification</i> , 2014, 96, 8-13.	1.3	4
94	Ginkgolide J protects human synovial cells SW982 via suppression of p38 α -dependent production of pro-inflammatory mediators. <i>Molecular Medicine Reports</i> , 2021, 24, .	2.4	4
95	The role of solute carrier (SLC) transporters in actinomycin D pharmacokinetics in paediatric cancer patients. <i>European Journal of Clinical Pharmacology</i> , 2018, 74, 1575-1584.	1.9	3
96	Ginkgo biloba extract protects human neuroblastoma SH-SY5Y cells against oxidative glutamate toxicity by activating redoxosome-p66Shc. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 951.	1.8	3
97	Polymyxin-Induced Metabolic Perturbations in Human Lung Epithelial Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0083521.	3.2	3
98	Ginkgo biloba Extract Attenuates Light-Induced Photoreceptor Degeneration by Modulating CAV-1 α -Redoxosome Signaling. <i>Antioxidants</i> , 2022, 11, 1268.	5.1	3
99	Editorial: Clinical Therapeutic Development Against Cancers Resistant to Targeted Therapies. <i>Frontiers in Pharmacology</i> , 2021, 12, 816896.	3.5	2
100	The application of natural compounds in uveal melanoma drug discovery. <i>Journal of Pharmacy and Pharmacology</i> , 2022, 74, 660-680.	2.4	2
101	The unfolded protein response and the biology of uveal melanoma. <i>Biochimie</i> , 2022, 197, 9-18.	2.6	1
102	The multi-kinase inhibitor afatinib serves as a novel candidate for the treatment of human uveal melanoma. <i>Cellular Oncology (Dordrecht)</i> , 2022, 45, 601-619.	4.4	1
103	Polymyxin Induces Significant Transcriptomic Perturbations of Cellular Signalling Networks in Human Lung Epithelial Cells. <i>Antibiotics</i> , 2022, 11, 307.	3.7	0
104	Preclinical Evaluation of Ixabepilone in Combination with VEGF Receptor and PARP Inhibitors in Taxane-Sensitive and Taxane-Resistant MDA-MB-231 Breast Cancer Cells. <i>Journal of Pharmaceutical Sciences</i> , 2022, , .	3.3	0