

# Jian-Ye Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,601  
citations

147801

31  
h-index

223800

46  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3259  
citing authors

#	ARTICLE	IF	CITATIONS
1	Secalonic Acid D induced leukemia cell apoptosis and cell cycle arrest of G1 with involvement of GSK-3 $\beta$ / $\beta$ -catenin/c-Myc pathway. <i>Cell Cycle</i> , 2009, 8, 2444-2450.	2.6	99
2	Combinational Treatment of Curcumin and Quercetin against Gastric Cancer MGC-803 Cells in Vitro. <i>Molecules</i> , 2015, 20, 11524-11534.	3.8	90
3	Exosomes with low miR-34c-3p expression promote invasion and migration of non-small cell lung cancer by upregulating integrin $\alpha$ 2 $\beta$ 1. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 39.	17.1	88
4	Anthracenedione Derivatives as Anticancer Agents Isolated from Secondary Metabolites of the Mangrove Endophytic Fungi. <i>Marine Drugs</i> , 2010, 8, 1469-1481.	4.6	83
5	Human infrared vision is triggered by two-photon chromophore isomerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5445-54.	7.1	80
6	The Biological Functions and Clinical Applications of Integrins in Cancers. <i>Frontiers in Pharmacology</i> , 2020, 11, 579068.	3.5	71
7	Intercellular transfer of exosomal wild type EGFR triggers osimertinib resistance in non-small cell lung cancer. <i>Molecular Cancer</i> , 2021, 20, 17.	19.2	67
8	UPLC-QTOF-MS identification of metabolites in rat biosamples after oral administration of Dioscorea saponins: A comparative study. <i>Journal of Ethnopharmacology</i> , 2015, 165, 127-140.	4.1	66
9	Catalytic mechanism of a retinoid isomerase essential for vertebrate vision. <i>Nature Chemical Biology</i> , 2015, 11, 409-415.	8.0	66
10	PD-1/PD-L1 Based Combinational Cancer Therapy: Icing on the Cake. <i>Frontiers in Pharmacology</i> , 2020, 11, 722.	3.5	65
11	The key roles of cancer stem cell-derived extracellular vesicles. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 109.	17.1	64
12	Chloroquine against malaria, cancers and viral diseases. <i>Drug Discovery Today</i> , 2020, 25, 2012-2022.	6.4	61
13	Parthenolide suppresses non-small cell lung cancer GLC-82 cells growth via B-Raf/MAPK/Erk pathway. <i>Oncotarget</i> , 2017, 8, 23436-23447.	1.8	61
14	Anthracenedione derivative 1403P-3 induces apoptosis in KB and KBv200 cells via reactive oxygen species-independent mitochondrial pathway and death receptor pathway. <i>Cancer Biology and Therapy</i> , 2007, 6, 1409-1417.	3.4	60
15	Cell-Free DNA: Hope and Potential Application in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 639233.	3.7	60
16	Osthole: an overview of its sources, biological activities, and modification development. <i>Medicinal Chemistry Research</i> , 2021, 30, 1767-1794.	2.4	57
17	Biological roles of RNA m5C modification and its implications in Cancer immunotherapy. <i>Biomarker Research</i> , 2022, 10, 15.	6.8	57
18	Anticancer Activity and Mechanism Investigation of Beauvericin Isolated from Secondary Metabolites of the Mangrove Endophytic Fungi. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015, 15, 258-266.	1.7	56

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19	Comparison of chemical profiles between the root and aerial parts from three Bupleurum species based on a UHPLC-QTOF-MS metabolomics approach. BMC Complementary and Alternative Medicine, 2017, 17, 305.	3.7	55
20	Euphorbia factor L2 induces apoptosis in A549 cells through the mitochondrial pathway. Acta Pharmaceutica Sinica B, 2017, 7, 59-64.	12.0	53
21	Quercetin Induces Apoptosis via the Mitochondrial Pathway in KB and KBv200 Cells. Journal of Agricultural and Food Chemistry, 2013, 61, 2188-2195.	5.2	52
22	Tepotinib reverses ABCB1-mediated multidrug resistance in cancer cells. Biochemical Pharmacology, 2019, 166, 120-127.	4.4	52
23	An integrated strategy based on UPLC-DAD-QTOF-MS for metabolism and pharmacokinetic studies of herbal medicines: Tibetan Snow Lotus herb (Saussurea laniceps), a case study. Journal of Ethnopharmacology, 2014, 153, 701-713.	4.1	50
24	Anti-Cancer Effects of Pristimerin and the Mechanisms: A Critical Review. Frontiers in Pharmacology, 2019, 10, 746.	3.5	50
25	Utilization of Dioxygen by Carotenoid Cleavage Oxygenases. Journal of Biological Chemistry, 2015, 290, 30212-30223.	3.4	48
26	A novel small molecule chaperone of rod opsin and its potential therapy for retinal degeneration. Nature Communications, 2018, 9, 1976.	12.8	48
27	Microfluidics applications for high-throughput single cell sequencing. Journal of Nanobiotechnology, 2021, 19, 312.	9.1	44
28	Cholesterol promotes EGFR-TKIs resistance in NSCLC by inducing EGFR/Src/Erk/SP1 signaling-mediated ERR $\alpha$ re-expression. Molecular Cancer, 2022, 21, 77.	19.2	40
29	The targeting of non-coding RNAs by curcumin: Facts and hopes for cancer therapy (Review). Oncology Reports, 2019, 42, 20-34.	2.6	38
30	Highly selective isomer fluorescent probes for distinguishing homo-/cysteine from glutathione based on AIE. Talanta, 2020, 206, 120177.	5.5	38
31	Multifunctional microfluidic chip for cancer diagnosis and treatment. Nanotheranostics, 2021, 5, 73-89.	5.2	38
32	The Role of Exosomal microRNA in Cancer Drug Resistance. Frontiers in Oncology, 2020, 10, 472.	2.8	36
33	Adverse Effects of Anti-PD-1/PD-L1 Therapy in Non-small Cell Lung Cancer. Frontiers in Oncology, 2020, 10, 554313.	2.8	32
34	Evaluation of dynamic changes in the bioactive components in Citri Reticulatae Pericarpium ( <i>Citrus reticulata</i> Chachi™) under different harvesting and drying conditions. Journal of the Science of Food and Agriculture, 2021, 101, 3280-3289.	3.5	30
35	Retinoid isomerase inhibitors impair but do not block mammalian cone photoreceptor function. Journal of General Physiology, 2018, 150, 571-590.	1.9	28
36	CuS Nanodot-Loaded Thermosensitive Hydrogel for Anticancer Photothermal Therapy. Molecular Pharmaceutics, 2018, 15, 4621-4631.	4.6	28

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37	Apoptosis Sensitization by Euphorbia Factor L1 in ABCB1-Mediated Multidrug Resistant K562/ADR Cells. <i>Molecules</i> , 2013, 18, 12793-12808.	3.8	26
38	Bruceine D induces apoptosis in human chronic myeloid leukemia K562 cells via mitochondrial pathway. <i>American Journal of Cancer Research</i> , 2016, 6, 819-26.	1.4	26
39	Key Residues for Catalytic Function and Metal Coordination in a Carotenoid Cleavage Dioxygenase. <i>Journal of Biological Chemistry</i> , 2016, 291, 19401-19412.	3.4	25
40	Fingerprint analysis of processed Rhizoma Chuanxiong by high-performance liquid chromatography coupled with diode array detection. <i>Chinese Medicine</i> , 2015, 10, 2.	4.0	24
41	Euphorbia factor L1 reverses ABCB1-mediated multidrug resistance involving interaction with ABCB1 independent of ABCB1 downregulation. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 1076-1083.	2.6	23
42	Context-dependent compensation among phosphatidylserine-recognition receptors. <i>Scientific Reports</i> , 2017, 7, 14623.	3.3	23
43	Fluorescence probes based on AIE luminogen: application for sensing Hg <sup>2+</sup> in aqueous media and cellular imaging. <i>New Journal of Chemistry</i> , 2018, 42, 13836-13846.	2.8	23
44	The Potential Role of Extracellular Vesicles in COVID-19 Treatment: Opportunity and Challenge. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 699929.	3.5	23
45	Dacomitinib potentiates the efficacy of conventional chemotherapeutic agents via inhibiting the drug efflux function of ABCG2 in vitro and in vivo. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 31.	8.6	22
46	Pharmaceutical Approaches on Antimicrobial Resistance: Prospects and Challenges. <i>Antibiotics</i> , 2021, 10, 981.	3.7	21
47	Apicidin Inhibited Proliferation and Invasion and Induced Apoptosis via Mitochondrial Pathway in Non-small Cell Lung Cancer GLC-82 Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2017, 17, 1374-1382.	1.7	21
48	Expansion of First-in-Class Drug Candidates That Sequester Toxic All- <i>Trans</i> -Retinal and Prevent Light-Induced Retinal Degeneration. <i>Molecular Pharmacology</i> , 2015, 87, 477-491.	2.3	19
49	Pristimerin induces apoptosis and inhibits proliferation, migration in H1299 Lung Cancer Cells. <i>Journal of Cancer</i> , 2020, 11, 6348-6355.	2.5	19
50	CDK6-PI3K signaling axis is an efficient target for attenuating ABCB1/P-gp mediated multi-drug resistance (MDR) in cancer cells. <i>Molecular Cancer</i> , 2022, 21, 103.	19.2	19
51	Identification of lipophilic components in Citri Reticulatae Pericarpium cultivars by supercritical CO <sub>2</sub> fluid extraction with ultra-high-performance liquid chromatography-Q Exactive Orbitrap tandem mass spectrometry. <i>Journal of Separation Science</i> , 2020, 43, 3421-3440.	2.5	18
52	Structure Identification of Euphorbia Factor L3 and Its Induction of Apoptosis through the Mitochondrial Pathway. <i>Molecules</i> , 2011, 16, 3222-3231.	3.8	17
53	Secalonic acid D induces cell apoptosis in both sensitive and ABCG2-overexpressing multidrug resistant cancer cells through upregulating c-Jun expression. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 516-525.	12.0	17
54	MED12 exerts an emerging role in actin-mediated cytokinesis via LIMK2/cofilin pathway in NSCLC. <i>Molecular Cancer</i> , 2019, 18, 93.	19.2	16

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55	Synthesis and biological evaluation of novel ligustrazine-chalcone derivatives as potential anti-triple negative breast cancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 47, 128230.	2.2	16
56	Retinal-chitosan Conjugates Effectively Deliver Active Chromophores to Retinal Photoreceptor Cells in Blind Mice and Dogs. <i>Molecular Pharmacology</i> , 2018, 93, 438-452.	2.3	15
57	Ceritinib Enhances the Efficacy of Substrate Chemotherapeutic Agent in Human ABCB1-Overexpressing Leukemia Cells In Vitro, In Vivo and Ex-Vivo. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 2487-2499.	1.6	15
58	Elevated ABCB1 Expression Confers Acquired Resistance to Aurora Kinase Inhibitor GSK-1070916 in Cancer Cells. <i>Frontiers in Pharmacology</i> , 2020, 11, 615824.	3.5	14
59	A hybrid platform featuring nanomagnetic ligand fishing for discovering COX-2 selective inhibitors from aerial part of <i>Saussurea laniceps</i> Hand.-Mazz. <i>Journal of Ethnopharmacology</i> , 2021, 271, 113849.	4.1	14
60	Chemical Profile Analysis and Comparison of Two Versions of the Classic TCM Formula Danggui Buxue Tang by HPLC-DAD-ESI-IT-TOF-MSn. <i>Molecules</i> , 2014, 19, 5650-5673.	3.8	13
61	Apigenin suppresses tumor angiogenesis and growth via inhibiting HIF-1 $\alpha$ expression in non-small cell lung carcinoma. <i>Chemico-Biological Interactions</i> , 2022, 361, 109966.	4.0	13
62	Structure of 3-mercaptopropionic acid dioxygenase with a substrate analog reveals bidentate substrate binding at the iron center. <i>Journal of Biological Chemistry</i> , 2021, 296, 100492.	3.4	12
63	Identification and Characterization of Novel Inhibitors of Mammalian Aspartyl Aminopeptidase. <i>Molecular Pharmacology</i> , 2014, 86, 231-242.	2.3	11
64	Structure Identification and In Vitro Anticancer Activity of Lathyrol-3-phenylacetate-5,15-diacetate. <i>Molecules</i> , 2017, 22, 1412.	3.8	11
65	Preparation, characterization and in vitro/in vivo evaluation of bortezomib supermolecular aggregation nanovehicles. <i>Journal of Nanobiotechnology</i> , 2020, 18, 57.	9.1	10
66	Hydrogen/Deuterium Exchange Mass Spectrometry of Human Green Opsin Reveals a Conserved Pro-Pro Motif in Extracellular Loop 2 of Monostable Visual G Protein-Coupled Receptors. <i>Biochemistry</i> , 2017, 56, 2338-2348.	2.5	8
67	Costunolide induces apoptosis and inhibits migration and invasion in H1299 lung cancer cells. <i>Oncology Reports</i> , 2020, 43, 1986-1994.	2.6	8
68	Herbal medications and natural products for patients with covid-19 and diabetes mellitus: Potentials and challenges. <i>Phytomedicine Plus</i> , 2022, 2, 100280.	2.0	8
69	Protein by-products: Composition, extraction, and biomedical applications. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 9436-9481.	10.3	7
70	Methylation Landscape: Targeting Writer or Eraser to Discover Anti-Cancer Drug. <i>Frontiers in Pharmacology</i> , 2021, 12, 690057.	3.5	5
71	Exosomes of A549 Cells Induced Migration, Invasion, and EMT of BEAS-2B Cells Related to let-7c-5p and miR-181b-5p. <i>Frontiers in Endocrinology</i> , 0, 13, .	3.5	5
72	Application of microfluidic chips in anticancer drug screening. <i>Bosnian Journal of Basic Medical Sciences</i> , 2021, , .	1.0	4

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73	A Glossary for Chemical Approaches towards Unlocking the Trove of Metabolic Treasures in Actinomycetes. <i>Molecules</i> , 2022, 27, 142.	3.8	4
74	Therapeutic implication of carbon monoxide in drug resistant cancers. <i>Biochemical Pharmacology</i> , 2022, 201, 115061.	4.4	4
75	Roles of Major RNA Adenosine Modifications in Head and Neck Squamous Cell Carcinoma. <i>Frontiers in Pharmacology</i> , 2021, 12, 779779.	3.5	3
76	Antiproliferative and cytotoxic activity of Geraniaceae plant extracts against five tumor cell lines. <i>Future Science OA</i> , 2022, 8, FSO775.	1.9	2
77	Research Progress on Natural Diterpenoids in Reversing Multidrug Resistance. <i>Frontiers in Pharmacology</i> , 2022, 13, 815603.	3.5	1
78	Development of a Critical Appraisal Tool (AIMRDA) for the Peer-Review of Studies Assessing the Anticancer Activity of Natural Products: A Step towards Reproducibility. <i>Asian Pacific Journal of Cancer Prevention</i> , 2021, 22, 3735-3740.	1.2	1
79	Effect of lathyrol derivatives on non-small cell lung cancer and the possible mechanism.. <i>Journal of Central South University (Medical Sciences)</i> , 2022, 47, 143-152.	0.1	1
80	Gel-Free Single-Cell Culture Arrays on a Microfluidic Chip for Highly Efficient Expansion and Recovery of Colon Cancer Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 3623-3632.	5.2	1
81	Editorial: Biology and Pharmacological Effects of Extracellular Vesicles in Cancer. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 896561.	3.5	0