Hong Zhao

List of Publications by Year
in descending order

68 papers	4,407 citations	186265 28 h-index	175258 52 g-index
99 all docs	99 docs citations	99 times ranked	8726 citing authors

#	Article	IF	Citations
1	Stromal gene expression predicts clinical outcome in breast cancer. Nature Medicine, 2008, 14, 518-527.	30.7	1,497
2	Crystal structure, conformational fixation and entry-related interactions of mature ligand-free HIV-1 Env. Nature Structural and Molecular Biology, 2015, 22, 522-531.	8.2	333
3	The Osteogenic Niche Promotes Early-Stage Bone Colonization of Disseminated Breast Cancer Cells. Cancer Cell, 2015, 27, 193-210.	16.8	308
4	Single-molecule analysis of ligand efficacy in β2AR–G-protein activation. Nature, 2017, 547, 68-73.	27.8	265
5	Single-molecule imaging of non-equilibrium molecular ensembles on the millisecond timescale. Nature Methods, 2016, 13, 341-344.	19.0	205
6	Inhibition of iNOS as a novel effective targeted therapy against triple-negative breast cancer. Breast Cancer Research, 2015, 17, 25.	5.0	175
7	HIV-1 Env trimer opens through an asymmetric intermediate in which individual protomers adopt distinct conformations. ELife, 2018, 7, .	6.0	127
8	Chloroquine Eliminates Cancer Stem Cells Through Deregulation of Jak2 and DNMT1. Stem Cells, 2014, 32, 2309-2323.	3.2	95
9	The Osteogenic Niche Is a Calcium Reservoir of Bone Micrometastases and Confers Unexpected Therapeutic Vulnerability. Cancer Cell, 2018, 34, 823-839.e7.	16.8	93
10	A Novel Method of Transcriptional Response Analysis to Facilitate Drug Repositioning for Cancer Therapy. Cancer Research, 2012, 72, 33-44.	0.9	85
11	Old Drug New Use—Amoxapine and Its Metabolites as Potent Bacterial β-Glucuronidase Inhibitors for Alleviating Cancer Drug Toxicity. Clinical Cancer Research, 2014, 20, 3521-3530.	7.0	72
12	The Knowledge-Integrated Network Biomarkers Discovery for Major Adverse Cardiac Events. Journal of Proteome Research, 2008, 7, 4013-4021.	3.7	67
13	Oncogenic Kinase–Induced PKM2 Tyrosine 105 Phosphorylation Converts Nononcogenic PKM2 to a Tumor Promoter and Induces Cancer Stem–like Cells. Cancer Research, 2018, 78, 2248-2261.	0.9	66
14	<i>In Vivo</i> Visualization and Characterization of Epithelial–Mesenchymal Transition in Breast Tumors. Cancer Research, 2016, 76, 2094-2104.	0.9	64
15	Electronic tuning of self-healing fluorophores for live-cell and single-molecule imaging. Chemical Science, 2017, 8, 755-762.	7.4	58
16	Targeting Brain-Adaptive Cancer Stem Cells Prohibits Brain Metastatic Colonization of Triple-Negative Breast Cancer. Cancer Research, 2018, 78, 2052-2064.	0.9	56
17	Systems biology–based drug repositioning identifies digoxin as a potential therapy for groups 3 and 4 medulloblastoma. Science Translational Medicine, 2018, 10, .	12.4	54
18	An enhanced Petri-net model to predict synergistic effects of pairwise drug combinations from gene microarray data. Bioinformatics, 2011, 27, i310-i316.	4.1	50

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19	Transcriptional signaling pathways inversely regulated in Alzheimer's disease and glioblastoma multiform. Scientific Reports, 2013, 3, 3467.	3.3	50
20	Involvement of epidermal growth factor receptor overexpression in the promotion of breast cancer brain metastasis. Cancer, 2012, 118, 5198-5209.	4.1	49
21	Novel Modeling of Cancer Cell Signaling Pathways Enables Systematic Drug Repositioning for Distinct Breast Cancer Metastases. Cancer Research, 2013, 73, 6149-6163.	0.9	44
22	Src Inhibition Blocks c-Myc Translation and Glucose Metabolism to Prevent the Development of Breast Cancer. Cancer Research, 2015, 75, 4863-4875.	0.9	44
23	Epithelial derived CTGF promotes breast tumor progression via inducing EMT and collagen I fibers deposition. Oncotarget, 2015, 6, 25320-25338.	1.8	43
24	The effect of mTOR inhibition alone or combined with MEK inhibitors on brain metastasis: an in vivo analysis in triple-negative breast cancer models. Breast Cancer Research and Treatment, 2012, 131, 425-436.	2.5	38
25	A quantitative study of factors affecting *in vivo* bioluminescence imaging. Luminescence, 2008, 23, 292-295.	2.9	37
26	New diagnosis of cancer and the risk of subsequent cerebrovascular events. Neurology, 2018, 90, e2025-e2033.	1.1	35
27	Cellular uptake and imaging studies of gadolinium€loaded single€walled carbon nanotubes as MRI contrast agents. Contrast Media and Molecular Imaging, 2011, 6, 93-99.	0.8	32
28	A screening platform for glioma growth and invasion using bioluminescence imaging. Journal of Neurosurgery, 2009, 111, 238-246.	1.6	30
29	On-the-spot lung cancer differential diagnosis by label-free, molecular vibrational imaging and knowledge-based classification. Journal of Biomedical Optics, 2011, 16, 096004.	2.6	30
30	Chapter 17: Bioimage Informatics for Systems Pharmacology. PLoS Computational Biology, 2013, 9, e1003043.	3.2	26
31	Bootcamp during Neoadjuvant Chemotherapy for Breast Cancer: A Randomized Pilot Trial. Breast Cancer: Basic and Clinical Research, 2012, 6, BCBCR.S9221.	1.1	25
32	Bioluminescence imaging reveals inhibition of tumor cell proliferation by Alzheimer's amyloid β protein. Cancer Cell International, 2009, 9, 15.	4.1	24
33	Synthesis and Evaluation of a Near-Infrared Fluorescent Non-Peptidic Bivalent Integrin $\alpha v \beta 3$ Antagonist for Cancer Imaging. Bioconjugate Chemistry, 2010, 21, 270-278.	3.6	24
34	Electro-acupuncture up-regulates astrocytic MCT1 expression to improve neurological deficit in middle cerebral artery occlusion rats. Life Sciences, 2015, 134, 68-72.	4.3	20
35	Bushen Ningxin Decoction pharmacological serum promotes the proliferation and suppresses the apoptosis of murine osteoblasts through MAPK pathway. Journal of Ethnopharmacology, 2009, 122, 221-226.	4.1	17
36	Epithelial-Mesenchymal Plasticity in Organotropism Metastasis and Tumor Immune Escape. Journal of Clinical Medicine, 2019, 8, 747.	2.4	17

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37	Emerging treatment strategies for breast cancer brain metastasis: from translational therapeutics to real-world experience. Therapeutic Advances in Medical Oncology, 2020, 12, 175883592093615.	3.2	17
38	Unique biomechanical interactions between myeloma cells and bone marrow stroma cells. Progress in Biophysics and Molecular Biology, 2010, 103, 148-156.	2.9	15
39	Imatinib revives the therapeutic potential of metformin on ewing sarcoma by attenuating tumor hypoxic response and inhibiting convergent signaling pathways. Cancer Letters, 2020, 469, 195-206.	7.2	13
40	Progress of engineered antibody-targeted molecular imaging for solid tumors (Review). Molecular Medicine Reports, 2008, 1, 131-4.	2.4	13
41	Computational analysis of image‐based drug profiling predicts synergistic drug combinations: Applications in triple‐negative breast cancer. Molecular Oncology, 2014, 8, 1548-1560.	4.6	12
42	Two birds, one stone: hesperetin alleviates chemotherapy-induced diarrhea and potentiates tumor inhibition. Oncotarget, 2018, 9, 27958-27973.	1.8	11
43	Human chorionic gonadotropin ratio of hemoperitoneum versus venous serum improves early diagnosis of ectopic pregnancy. Fertility and Sterility, 2010, 93, 702-705.	1.0	10
44	OCIAD1 contributes to neurodegeneration in Alzheimer's disease by inducing mitochondria dysfunction, neuronal vulnerability and synaptic damages. EBioMedicine, 2020, 51, 102569.	6.1	10
45	Identification of novel small-molecule inhibitors of glioblastoma cell growth and invasion by high-throughput screening. BioScience Trends, 2012, 6, 192-200.	3.4	10
46	Differential effects of low‐and high‐dose GW2974, a dual epidermal growth factor receptor and HER2 kinase inhibitor, on glioblastoma multiforme invasion. Journal of Neuroscience Research, 2013, 91, 128-137.	2.9	9
47	Progress of engineered antibody-targeted molecular imaging for solid tumors (Review). Molecular Medicine Reports, 0, , .	2.4	5
48	Chloroquine exerts antitumor effects on NB4 acute promyelocytic leukemia cells and functions synergistically with arsenic trioxide. Oncology Letters, 2017, 15, 2024-2030.	1.8	5
49	^{64}Cu/^{177}Lu-DOTA-diZD, a Small-Molecule-Based Theranostic Pair for Triple-Negative Breast Cancer. Journal of Medicinal Chemistry, 2021, 64, 2705-2713.	6.4	5
50	Diagnosing lung cancer using coherent anti-Stokes Raman scattering microscopy. Proceedings of SPIE, 2011, , .	0.8	4
51	Novel STAT3 small-molecule inhibitors identified by structure-based virtual ligand screening incorporating SH2 domain flexibility. Pharmacological Research, 2021, 169, 105637.	7.1	3
52	High throughput analysis of drug effects on single breast cancer cells using droplet-microfluidic devices. , 2010, , .		2
53	A quantitative analysis of F-actin features and distribution in fluorescence microscopy images to distinguish cells with different modes of motility. , 2013, 2013, 136-9.		2
54	An intelligence augmented, label-free molecular imaging method for tissue identification, cancer diagnosis, and cancer margin detection. Biomedical Optics Express, 2021, 12, 5559-5582.	2.9	2

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55	Systematic Drug Repositioning By Integrating Transcriptome and Historical Clinical Data, Identification of Digoxin As a Novel Drug Reposition Candidate for High-Risk Myelodysplastic Syndromes. Blood, 2015, 126, 4118-4118.	1.4	2
56	Real-time tagless monitoring of cell viability using patch-clamp microdevices. , 2010, , .		1
57	A high-throughput multi-scale assay for anti-migration compound screening by bioluminescence imaging: From in vitro to in vivo. , 2007, , .		0
58	An in-silico approach for drug repositioning to tumour anti-migration using an integrated genomic strategy. , 2011, , .		0
59	MBRS-56. SYSTEMATIC DRUG REPURPOSING IDENTIFIES DIGOXIN AS A DRUG THAT PROLONGS SURVIVAL IN PDOX MODELS OF GROUPS 3 AND 4 MEDULLOBLASTOMA AT CLINICALLY RELEVANT DOSES. Neuro-Oncology, 2018, 20, i140-i140.	1.2	0
60	Abstract 4370: Network-based signatures for drug repositioning and combination for the breast tumor initiating cells. , 2011, , .		0
61	Abstract 5460: Dual efficacy of Lazaroid U-74389G liposomes in glioblastoma mouse model. , 2011, , .		0
62	Abstract LB-110: Bioinformatic discovery of repositioned drugs to target breast tumor initiating cells. , 2011, , .		0
63	Abstract 5161: Cell mechanics-cytoskeleton-membrane protein transduction loop mediates brain metastasis of breast cancer cells. , 2011, , .		0
64	Effects of lazaroid U-74389G liposomes in a glioblastoma mouse model.. Journal of Clinical Oncology, 2012, 30, 2098-2098.	1.6	0
65	Abstract 4924: Connective tissue growth factor (CTGF) mediates metastases of breast cancer stem cells.. , 2013, , .		0
66	Abstract 2552: Addition of repositioned-drug dexamethasone improves anti-leukemia synergy between HDAC inhibitors and nucleoside analogs. , 2015, , .		0
67	Abstract B11: Drug repositioning improves synergistic interactions between HDAC inhibitors and nucleoside analogs in AML and MDS models.. , 2015, , .		0
68	Abstract 1309: Network as a biomarker to predict drug candidates: Mapping driver dysregulated target networks onto pharmacologic data-derived drug networks identifies cardiac glycosides as the potential treatment of Group 3 medulloblastomas. , 2018, , .		0