Hong Zhao

List of Publications by Year
in descending order

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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	⁶⁴Cu/¹⁷⁷Lu-DOTA-diZD, a Small-Molecule-Based Theranostic Pair for Triple-Negative Breast Cancer. Journal of Medicinal Chemistry, 2021, 64, 2705-2713.	6.4	5
2	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
3	Novel STAT3 small-molecule inhibitors identified by structure-based virtual ligand screening incorporating SH2 domain flexibility. Pharmacological Research, 2021, 169, 105637.	7.1	3
4	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
5	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
6	OCIAD1 contributes to neurodegeneration in Alzheimer's disease by inducing mitochondria dysfunction, neuronal vulnerability and synaptic damages. EBioMedicine, 2020, 51, 102569.	6.1	10
7	Epithelial-Mesenchymal Plasticity in Organotropism Metastasis and Tumor Immune Escape. Journal of Clinical Medicine, 2019, 8, 747.	2.4	17
8	Oncogenic Kinaseâ€“Induced PKM2 Tyrosine 105 Phosphorylation Converts Nononcogenic PKM2 to a Tumor Promoter and Induces Cancer Stemâ€“like Cells. Cancer Research, 2018, 78, 2248-2261.	0.9	66
9	Targeting Brain-Adaptive Cancer Stem Cells Prohibits Brain Metastatic Colonization of Triple-Negative Breast Cancer. Cancer Research, 2018, 78, 2052-2064.	0.9	56
10	Two birds, one stone: hesperetin alleviates chemotherapy-induced diarrhea and potentiates tumor inhibition. Oncotarget, 2018, 9, 27958-27973.	1.8	11
11	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
12	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
13	Systems biologyâ€“based drug repositioning identifies digoxin as a potential therapy for groups 3 and 4 medulloblastoma. Science Translational Medicine, 2018, 10, .	12.4	54
14	HIV-1 Env trimer opens through an asymmetric intermediate in which individual protomers adopt distinct conformations. ELife, 2018, 7, .	6.0	127
15	New diagnosis of cancer and the risk of subsequent cerebrovascular events. Neurology, 2018, 90, e2025-e2033.	1.1	35
16	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
17	Single-molecule analysis of ligand efficacy in Î²2ARâ€“G-protein activation. Nature, 2017, 547, 68-73.	27.8	265
18	Electronic tuning of self-healing fluorophores for live-cell and single-molecule imaging. Chemical Science, 2017, 8, 755-762.	7.4	58

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19	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
20	Single-molecule imaging of non-equilibrium molecular ensembles on the millisecond timescale. Nature Methods, 2016, 13, 341-344.	19.0	205
21	In Vivo Visualization and Characterization of Epithelialâ€“Mesenchymal Transition in Breast Tumors. Cancer Research, 2016, 76, 2094-2104.	0.9	64
22	Epithelial derived CTGF promotes breast tumor progression via inducing EMT and collagen I fibers deposition. Oncotarget, 2015, 6, 25320-25338.	1.8	43
23	The Osteogenic Niche Promotes Early-Stage Bone Colonization of Disseminated Breast Cancer Cells. Cancer Cell, 2015, 27, 193-210.	16.8	308
24	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
25	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
26	Inhibition of iNOS as a novel effective targeted therapy against triple-negative breast cancer. Breast Cancer Research, 2015, 17, 25.	5.0	175
27	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
28	Abstract 2552: Addition of repositioned-drug dexamethasone improves anti-leukemia synergy between HDAC inhibitors and nucleoside analogs. , 2015, , .		0
29	Abstract B11: Drug repositioning improves synergistic interactions between HDAC inhibitors and nucleoside analogs in AML and MDS models.. , 2015, , .		0
30	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
31	Old Drug New Useâ€”Amoxapine and Its Metabolites as Potent Bacterial Î²-Glucuronidase Inhibitors for Alleviating Cancer Drug Toxicity. Clinical Cancer Research, 2014, 20, 3521-3530.	7.0	72
32	Chloroquine Eliminates Cancer Stem Cells Through Deregulation of Jak2 and DNMT1. Stem Cells, 2014, 32, 2309-2323.	3.2	95
33	Computational analysis of imageâ€based drug profiling predicts synergistic drug combinations: Applications in tripleâ€negative breast cancer. Molecular Oncology, 2014, 8, 1548-1560.	4.6	12
34	Differential effects of lowâ€and highâ€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
35	Transcriptional signaling pathways inversely regulated in Alzheimer's disease and glioblastoma multiform. Scientific Reports, 2013, 3, 3467.	3.3	50
36	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

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37	Chapter 17: Bioimage Informatics for Systems Pharmacology. PLoS Computational Biology, 2013, 9, e1003043.	3.2	26
38	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
39	Abstract 4924: Connective tissue growth factor (CTGF) mediates metastases of breast cancer stem cells.. , 2013, , .		0
40	Bootcamp during Neoadjuvant Chemotherapy for Breast Cancer: A Randomized Pilot Trial. Breast Cancer: Basic and Clinical Research, 2012, 6, BCBCR.S9221.	1.1	25
41	A Novel Method of Transcriptional Response Analysis to Facilitate Drug Repositioning for Cancer Therapy. Cancer Research, 2012, 72, 33-44.	0.9	85
42	Involvement of epidermal growth factor receptor overexpression in the promotion of breast cancer brain metastasis. Cancer, 2012, 118, 5198-5209.	4.1	49
43	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
44	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
45	Effects of lazaroid U-74389G liposomes in a glioblastoma mouse model.. Journal of Clinical Oncology, 2012, 30, 2098-2098.	1.6	0
46	An in-silico approach for drug repositioning to tumour anti-migration using an integrated genomic strategy. , 2011, , .		0
47	Diagnosing lung cancer using coherent anti-Stokes Raman scattering microscopy. Proceedings of SPIE, 2011, , .	0.8	4
48	Cellular uptake and imaging studies of gadoliniumâ€loaded singleâ€walled carbon nanotubes as MRI contrast agents. Contrast Media and Molecular Imaging, 2011, 6, 93-99.	0.8	32
49	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
50	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
51	Abstract 4370: Network-based signatures for drug repositioning and combination for the breast tumor initiating cells. , 2011, , .		0
52	Abstract 5460: Dual efficacy of Lazaroid U-74389G liposomes in glioblastoma mouse model. , 2011, , .		0
53	Abstract LB-110: Bioinformatic discovery of repositioned drugs to target breast tumor initiating cells. , 2011, , .		0
54	Abstract 5161: Cell mechanics-cytoskeleton-membrane protein transduction loop mediates brain metastasis of breast cancer cells. , 2011, , .		0

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55	Unique biomechanical interactions between myeloma cells and bone marrow stroma cells. Progress in Biophysics and Molecular Biology, 2010, 103, 148-156.	2.9	15
56	Real-time tagless monitoring of cell viability using patch-clamp microdevices. , 2010, , .		1
57	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
58	High throughput analysis of drug effects on single breast cancer cells using droplet-microfluidic devices. , 2010, , .		2
59	Synthesis and Evaluation of a Near-Infrared Fluorescent Non-Peptidic Bivalent Integrin Î±_vÎ²₃ Antagonist for Cancer Imaging. Bioconjugate Chemistry, 2010, 21, 270-278.	3.6	24
60	A screening platform for glioma growth and invasion using bioluminescence imaging. Journal of Neurosurgery, 2009, 111, 238-246.	1.6	30
61	Bioluminescence imaging reveals inhibition of tumor cell proliferation by Alzheimer's amyloid Î² protein. Cancer Cell International, 2009, 9, 15.	4.1	24
62	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
63	A quantitative study of factors affecting in vivo bioluminescence imaging. Luminescence, 2008, 23, 292-295.	2.9	37
64	Stromal gene expression predicts clinical outcome in breast cancer. Nature Medicine, 2008, 14, 518-527.	30.7	1,497
65	The Knowledge-Integrated Network Biomarkers Discovery for Major Adverse Cardiac Events. Journal of Proteome Research, 2008, 7, 4013-4021.	3.7	67
66	Progress of engineered antibody-targeted molecular imaging for solid tumors (Review). Molecular Medicine Reports, 2008, 1, 131-4.	2.4	13
67	A high-throughput multi-scale assay for anti-migration compound screening by bioluminescence imaging: From in vitro to in vivo. , 2007, , .		0
68	Progress of engineered antibody-targeted molecular imaging for solid tumors (Review). Molecular Medicine Reports, 0, , .	2.4	5