

Hong Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56

papers

3,467

citations

27

h-index

58

g-index

99

ext. papers

4,089

ext. citations

8.6

avg, IF

4.61

L-index

#	Paper	IF	Citations
56	Artificial intelligence-augmented, label-free molecular imaging method for tissue identification, cancer diagnosis, and cancer margin detection. <i>Biomedical Optics Express</i> , 2021 , 12, 5559-5582	3.5	
55	Novel STAT3 small-molecule inhibitors identified by structure-based virtual ligand screening incorporating SH2 domain flexibility. <i>Pharmacological Research</i> , 2021 , 169, 105637	10.2	1
54	Cu/Lu-DOTA-diZD, a Small-Molecule-Based Theranostic Pair for Triple-Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 2705-2713	8.3	1
53	OCIAD1 contributes to neurodegeneration in Alzheimer's disease by inducing mitochondria dysfunction, neuronal vulnerability and synaptic damages. <i>EBioMedicine</i> , 2020 , 51, 102569	8.8	5
52	Imatinib revives the therapeutic potential of metformin on ewing sarcoma by attenuating tumor hypoxic response and inhibiting convergent signaling pathways. <i>Cancer Letters</i> , 2020 , 469, 195-206	9.9	5
51	Emerging treatment strategies for breast cancer brain metastasis: from translational therapeutics to real-world experience. <i>Therapeutic Advances in Medical Oncology</i> , 2020 , 12, 1758835920936151	5.4	11
50	Epithelial-Mesenchymal Plasticity in Organotropism Metastasis and Tumor Immune Escape. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	8
49	Oncogenic Kinase-Induced PKM2 Tyrosine 105 Phosphorylation Converts Nononcogenic PKM2 to a Tumor Promoter and Induces Cancer Stem-like Cells. <i>Cancer Research</i> , 2018 , 78, 2248-2261	10.1	41
48	Targeting Brain-Adaptive Cancer Stem Cells Prohibits Brain Metastatic Colonization of Triple-Negative Breast Cancer. <i>Cancer Research</i> , 2018 , 78, 2052-2064	10.1	36
47	New diagnosis of cancer and the risk of subsequent cerebrovascular events. <i>Neurology</i> , 2018 , 90, e2025-62033	6.3	18
46	Chloroquine exerts antitumor effects on NB4 acute promyelocytic leukemia cells and functions synergistically with arsenic trioxide. <i>Oncology Letters</i> , 2018 , 15, 2024-2030	2.6	4
45	Two birds, one stone: hesperetin alleviates chemotherapy-induced diarrhea and potentiates tumor inhibition. <i>Oncotarget</i> , 2018 , 9, 27958-27973	3.3	7
44	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. <i>Neuro-Oncology</i> , 2018 , 20, i140-i140	1	78
43	The Osteogenic Niche Is a Calcium Reservoir of Bone Micrometastases and Confers Unexpected Therapeutic Vulnerability. <i>Cancer Cell</i> , 2018 , 34, 823-839.e7	24.3	58
42	Systems biology-based drug repositioning identifies digoxin as a potential therapy for groups 3 and 4 medulloblastoma. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	36
41	HIV-1 Env trimer opens through an asymmetric intermediate in which individual protomers adopt distinct conformations. <i>ELife</i> , 2018 , 7,	8.9	76
40	Single-molecule analysis of ligand efficacy in G-protein activation. <i>Nature</i> , 2017 , 547, 68-73	50.4	164

39	Electronic tuning of self-healing fluorophores for live-cell and single-molecule imaging. <i>Chemical Science</i> , 2017 , 8, 755-762	9.4	36
38	Single-molecule imaging of non-equilibrium molecular ensembles on the millisecond timescale. <i>Nature Methods</i> , 2016 , 13, 341-4	21.6	130
37	In Vivo Visualization and Characterization of Epithelial-Mesenchymal Transition in Breast Tumors. <i>Cancer Research</i> , 2016 , 76, 2094-2104	10.1	57
36	Crystal structure, conformational fixation and entry-related interactions of mature ligand-free HIV-1 Env. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 522-31	17.6	254
35	Electro-acupuncture up-regulates astrocytic MCT1 expression to improve neurological deficit in middle cerebral artery occlusion rats. <i>Life Sciences</i> , 2015 , 134, 68-72	6.8	17
34	Inhibition of iNOS as a novel effective targeted therapy against triple-negative breast cancer. <i>Breast Cancer Research</i> , 2015 , 17, 25	8.3	137
33	Src Inhibition Blocks c-Myc Translation and Glucose Metabolism to Prevent the Development of Breast Cancer. <i>Cancer Research</i> , 2015 , 75, 4863-75	10.1	31
32	Epithelial derived CTGF promotes breast tumor progression via inducing EMT and collagen I fibers deposition. <i>Oncotarget</i> , 2015 , 6, 25320-38	3.3	26
31	The osteogenic niche promotes early-stage bone colonization of disseminated breast cancer cells. <i>Cancer Cell</i> , 2015 , 27, 193-210	24.3	235
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. <i>Blood</i> , 2015 , 126, 4118-4118	2.2	2
29	Chloroquine eliminates cancer stem cells through deregulation of Jak2 and DNMT1. <i>Stem Cells</i> , 2014 , 32, 2309-23	5.8	67
28	Computational analysis of image-based drug profiling predicts synergistic drug combinations: applications in triple-negative breast cancer. <i>Molecular Oncology</i> , 2014 , 8, 1548-60	7.9	12
27	Old drug new use--amoxapine and its metabolites as potent bacterial β -glucuronidase inhibitors for alleviating cancer drug toxicity. <i>Clinical Cancer Research</i> , 2014 , 20, 3521-30	12.9	48
26	Transcriptional signaling pathways inversely regulated in Alzheimer's disease and glioblastoma multiforme. <i>Scientific Reports</i> , 2013 , 3, 3467	4.9	27
25	Differential effects of low- and high-dose GW2974, a dual epidermal growth factor receptor and HER2 kinase inhibitor, on glioblastoma multiforme invasion. <i>Journal of Neuroscience Research</i> , 2013 , 91, 128-37	4.4	7
24	Novel modeling of cancer cell signaling pathways enables systematic drug repositioning for distinct breast cancer metastases. <i>Cancer Research</i> , 2013 , 73, 6149-63	10.1	35
23	Chapter 17: bioimage informatics for systems pharmacology. <i>PLoS Computational Biology</i> , 2013 , 9, e1003043	30.43	24
22	A quantitative analysis of F-actin features and distribution in fluorescence microscopy images to distinguish cells with different modes of motility. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 136-9	0.9	2

21	The effect of mTOR inhibition alone or combined with MEK inhibitors on brain metastasis: an in vivo analysis in triple-negative breast cancer models. <i>Breast Cancer Research and Treatment</i> , 2012 , 131, 425-36	4.4	29
20	Involvement of epidermal growth factor receptor overexpression in the promotion of breast cancer brain metastasis. <i>Cancer</i> , 2012 , 118, 5198-209	6.4	45
19	Bootcamp during neoadjuvant chemotherapy for breast cancer: a randomized pilot trial. <i>Breast Cancer: Basic and Clinical Research</i> , 2012 , 6, 39-46	2.2	18
18	A novel method of transcriptional response analysis to facilitate drug repositioning for cancer therapy. <i>Cancer Research</i> , 2012 , 72, 33-44	10.1	68
17	Identification of novel small-molecule inhibitors of glioblastoma cell growth and invasion by high-throughput screening. <i>BioScience Trends</i> , 2012 , 6, 192-200	9.9	8
16	Effects of lazaroïd U-74389G liposomes in a glioblastoma mouse model.. <i>Journal of Clinical Oncology</i> , 2012 , 30, 2098-2098	2.2	
15	Diagnosing lung cancer using coherent anti-Stokes Raman scattering microscopy 2011 ,		4
14	Cellular uptake and imaging studies of gadolinium-loaded single-walled carbon nanotubes as MRI contrast agents. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 93-9	3.2	27
13	On-the-spot lung cancer differential diagnosis by label-free, molecular vibrational imaging and knowledge-based classification. <i>Journal of Biomedical Optics</i> , 2011 , 16, 096004	3.5	27
12	An enhanced Petri-net model to predict synergistic effects of pairwise drug combinations from gene microarray data. <i>Bioinformatics</i> , 2011 , 27, i310-6	7.2	42
11	Human chorionic gonadotropin ratio of hemoperitoneum versus venous serum improves early diagnosis of ectopic pregnancy. <i>Fertility and Sterility</i> , 2010 , 93, 702-5	4.8	8
10	Synthesis and evaluation of a near-infrared fluorescent non-peptidic bivalent integrin alpha(v)beta(3) antagonist for cancer imaging. <i>Bioconjugate Chemistry</i> , 2010 , 21, 270-8	6.3	22
9	Unique biomechanical interactions between myeloma cells and bone marrow stroma cells. <i>Progress in Biophysics and Molecular Biology</i> , 2010 , 103, 148-56	4.7	12
8	A screening platform for glioma growth and invasion using bioluminescence imaging. Laboratory investigation. <i>Journal of Neurosurgery</i> , 2009 , 111, 238-46	3.2	20
7	Bioluminescence imaging reveals inhibition of tumor cell proliferation by Alzheimer's amyloid beta protein. <i>Cancer Cell International</i> , 2009 , 9, 15	6.4	21
6	Bushen Ningxin Decoction pharmacological serum promotes the proliferation and suppresses the apoptosis of murine osteoblasts through MAPK pathway. <i>Journal of Ethnopharmacology</i> , 2009 , 122, 221-6	5	13
5	Stromal gene expression predicts clinical outcome in breast cancer. <i>Nature Medicine</i> , 2008 , 14, 518-27	50.5	1297
4	The knowledge-integrated network biomarkers discovery for major adverse cardiac events. <i>Journal of Proteome Research</i> , 2008 , 7, 4013-21	5.6	58

3	Progress of engineered antibody-targeted molecular imaging for solid tumors (Review). <i>Molecular Medicine Reports</i> , 2008 ,	2.9	2
2	A quantitative study of factors affecting in vivo bioluminescence imaging. <i>Luminescence</i> , 2008 , 23, 292-52.5		35
1	Progress of engineered antibody-targeted molecular imaging for solid tumors (Review). <i>Molecular Medicine Reports</i> , 2008 , 1, 131-4	2.9	13