## Han Wang

## List of Publications by Year in descending order

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117625 128289 4,092 120 34 60 h-index citations g-index papers

122 122 122 4925 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	PEGylated dendrimer-entrapped gold nanoparticles for inÂvivo blood pool and tumor imaging by computed tomography. Biomaterials, 2012, 33, 1107-1119.	11.4	367
2	Computed tomography imaging of cancer cells using acetylated dendrimer-entrapped gold nanoparticles. Biomaterials, 2011, 32, 2979-2988.	11.4	214
3	Folic acid-modified dendrimer-entrapped gold nanoparticles as nanoprobes for targeted CT imaging of human lung adencarcinoma. Biomaterials, 2013, 34, 470-480.	11.4	203
4	Active targeting theranostic iron oxide nanoparticles for MRI and magnetic resonance-guided focused ultrasound ablation of lung cancer. Biomaterials, 2017, 127, 25-35.	11.4	169
5	X-ray Attenuation Property of Dendrimer-Entrapped Gold Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 50-56.	3.1	149
6	Multifunctional Dendrimer-Entrapped Gold Nanoparticles Modified with RGD Peptide for Targeted Computed Tomography/Magnetic Resonance Dual-Modal Imaging of Tumors. Analytical Chemistry, 2015, 87, 3949-3956.	6.5	122
7	Lactobionic Acid-Modified Dendrimer-Entrapped Gold Nanoparticles for Targeted Computed Tomography Imaging of Human Hepatocellular Carcinoma. ACS Applied Materials & Diterfaces, 2014, 6, 6944-6953.	8.0	120
8	The role of NLRP3 inflammasome in 5-fluorouracil resistance of oral squamous cell carcinoma. Journal of Experimental and Clinical Cancer Research, 2017, 36, 81.	8.6	110
9	Regulation of hair follicle development by exosomes derived from dermal papilla cells. Biochemical and Biophysical Research Communications, 2018, 500, 325-332.	2.1	101
10	Peroxiredoxin 2 activates microglia by interacting with Toll-like receptor 4 after subarachnoid hemorrhage. Journal of Neuroinflammation, 2018, 15, 87.	7.2	93
11	Macrophage Membrane-Camouflaged Responsive Polymer Nanogels Enable Magnetic Resonance Imaging-Guided Chemotherapy/Chemodynamic Therapy of Orthotopic Glioma. ACS Nano, 2021, 15, 20377-20390.	14.6	92
12	Size-controlled synthesis of dendrimer-stabilized silver nanoparticles for X-ray computed tomography imaging applications. Polymer Chemistry, 2010, 1, 1677.	3.9	88
13	Conjugation of Iron Oxide Nanoparticles with RGD-Modified Dendrimers for Targeted Tumor MR Imaging. ACS Applied Materials & Samp; Interfaces, 2015, 7, 5420-5428.	8.0	85
14	NLRP3 promotes tumor growth and metastasis in human oral squamous cell carcinoma. BMC Cancer, 2018, 18, 500.	2.6	84
15	Dendrimerâ€Stabilized Gold Nanostars as a Multifunctional Theranostic Nanoplatform for CT Imaging, Photothermal Therapy, and Gene Silencing of Tumors. Advanced Healthcare Materials, 2016, 5, 3203-3213.	7.6	79
16	Synthesis of PEGylated low generation dendrimer-entrapped gold nanoparticles for CT imaging applications. Nanoscale, 2014, 6, 4521-4526.	5.6	75
17	Enhanced X-ray attenuation property of dendrimer-entrapped gold nanoparticles complexed with diatrizoic acid. Journal of Materials Chemistry, 2011, 21, 5120.	6.7	74
18	MRâ€Based Radiomics Nomogram of Cervical Cancer in Prediction of the Lymphâ€Vascular Space Invasion preoperatively. Journal of Magnetic Resonance Imaging, 2019, 49, 1420-1426.	3.4	73

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19	Intelligent Nanocomposites with Intrinsic Blood–Brainâ€Barrier Crossing Ability Designed for Highly Specific MR Imaging and Sonodynamic Therapy of Glioblastoma. Small, 2020, 16, e1906985.	10.0	73
20	Targeted Tumor Hypoxia Dualâ€Mode CT/MR Imaging and Enhanced Radiation Therapy Using Dendrimerâ€Based Nanosensitizers. Advanced Functional Materials, 2020, 30, 1909285.	14.9	71
21	Zwitterion-coated ultrasmall iron oxide nanoparticles for enhanced T <sub>1</sub> -weighted magnetic resonance imaging applications. Journal of Materials Chemistry B, 2017, 5, 7267-7273.	5.8	69
22	A 3D electrochemical biosensor based on Super-Aligned Carbon NanoTube array for point-of-care uric acid monitoring. Biosensors and Bioelectronics, 2021, 179, 113082.	10.1	67
23	Acetylation of dendrimerâ€entrapped gold nanoparticles: Synthesis, stability, and Xâ€ray attenuation properties. Journal of Applied Polymer Science, 2011, 119, 1673-1682.	2.6	65
24	Structural Definition of a Unique Neutralization Epitope on the Receptor-Binding Domain of MERS-CoV Spike Glycoprotein. Cell Reports, 2018, 24, 441-452.	6.4	57
25	MicroRNAâ€22 suppresses cell proliferation, migration and invasion in oral squamous cell carcinoma by targeting NLRP3. Journal of Cellular Physiology, 2018, 233, 6705-6713.	4.1	56
26	Multifunctional PVCL nanogels with redox-responsiveness enable enhanced MR imaging and ultrasound-promoted tumor chemotherapy. Theranostics, 2020, 10, 4349-4358.	10.0	55
27	Red/Nearâ€Infrared Emissive Metalloporphyrinâ€Based Nanodots for Magnetic Resonance Imagingâ€Guided Photodynamic Therapy In Vivo. Particle and Particle Systems Characterization, 2018, 35, 1800208.	2.3	54
28	Cesarean Section or Vaginal Delivery to Prevent Possible Vertical Transmission From a Pregnant Mother Confirmed With COVID-19 to a Neonate: A Systematic Review. Frontiers in Medicine, 2021, 8, 634949.	2.6	54
29	Metal–Phenolicâ€Networkâ€Coated Dendrimer–Drug Conjugates for Tumor MR Imaging and Chemo/Chemodynamic Therapy via Amplification of Endoplasmic Reticulum Stress. Advanced Materials, 2022, 34, e2107009.	21.0	50
30	Openâ€6hell Nanosensitizers for Glutathione Responsive Cancer Sonodynamic Therapy. Advanced Materials, 2022, 34, e2110283.	21.0	48
31	Dendrimer-entrapped gold nanoparticles as potential CT contrast agents for blood pool imaging. Nanoscale Research Letters, 2012, 7, 190.	5.7	40
32	Dendrimer antibody conjugate to target and image HER-2 overexpressing cancer cells. Oncotarget, 2016, 7, 36002-36013.	1.8	40
33	Functions of resolvin D1-ALX/FPR2 receptor interaction in the hemoglobin-induced microglial inflammatory response and neuronal injury. Journal of Neuroinflammation, 2020, 17, 239.	7.2	38
34	Hemoglobin-mediated biomimetic synthesis of paramagnetic O <sub>2</sub> -evolving theranostic nanoprobes for MR imaging-guided enhanced photodynamic therapy of tumor. Theranostics, 2020, 10, 11607-11621.	10.0	37
35	Novel Redoxâ€Responsive Polymeric Magnetosomes with Tunable Magnetic Resonance Property for In Vivo Drug Release Visualization and Dualâ€Modal Cancer Therapy. Advanced Functional Materials, 2018, 28, 1802159.	14.9	35
36	Inlaying Radiosensitizer onto the Polypeptide Shell of Drug-Loaded Ferritin for Imaging and Combinational Chemo-Radiotherapy. Theranostics, 2019, 9, 2779-2790.	10.0	35

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37	Morroniside regulates hair growth and cycle transition via activation of the Wnt $\hat{l}^2$ -catenin signaling pathway. Scientific Reports, 2018, 8, 13785.	3.3	32
38	Phosphorus dendrimer-based copper(II) complexes enable ultrasound-enhanced tumor theranostics. Nano Today, 2020, 33, 100899.	11.9	32
39	MiR-146a Ameliorates Hemoglobin-Induced Microglial Inflammatory Response via TLR4/IRAK1/TRAF6 Associated Pathways. Frontiers in Neuroscience, 2020, 14, 311.	2.8	32
40	Intrabiliary RF Heat-enhanced Local Chemotherapy of a Cholangiocarcinoma Cell Line: Monitoring with Dual-Modality Imagingâ€"Preclinical Study. Radiology, 2014, 270, 400-408.	7.3	30
41	Tumor-Anchoring Drug-Loaded Fibrous Microspheres for MR Imaging-Guided Local Chemotherapy and Metastasis Inhibition. Advanced Fiber Materials, 2022, 4, 807-819.	16.1	29
42	A continuous-flow acoustofluidic cytometer for single-cell mechanotyping. Lab on A Chip, 2019, 19, 387-393.	6.0	27
43	Facile synthesis of acetylated dendrimer-entrapped gold nanoparticles with enhanced gold loading for CT imaging applications. Journal of Materials Chemistry B, 2013, 1, 2773.	5.8	25
44	Synthesis of Bi <sub>2</sub> WO <sub>6â^'x</sub> nanodots with oxygen vacancies as an all-in-one nanoagent for simultaneous CT/IR imaging and photothermal/photodynamic therapy of tumors. Nanoscale, 2019, 11, 15326-15338.	5.6	24
45	The Value of Magnetic Resonance Imaging in the Detection of Prostate Cancer in Patients with Previous Negative Biopsies and Elevated Prostate-specific Antigen Levels. Academic Radiology, 2014, 21, 578-589.	2.5	22
46	Microfluidic acoustophoretic force based low-concentration oil separation and detection from the environment. Lab on A Chip, 2014, 14, 947.	6.0	22
47	Multifunctional gold nanocomposites designed for targeted CT/MR/optical trimodal imaging of human non-small cell lung cancer cells. Nanoscale, 2016, 8, 13568-13573.	5.6	22
48	Diffusionâ€weighted MRI monitoring of pancreatic cancer response to radiofrequency heatâ€enhanced intratumor chemotherapy. NMR in Biomedicine, 2013, 26, 1762-1767.	2.8	21
49	Single enzyme loaded nanoparticles for combinational ultrasound-guided focused ultrasound ablation and hypoxia-relieved chemotherapy. Theranostics, 2019, 9, 8048-8060.	10.0	21
50	Essential roles of HDAC1 and 2 in lineage development and genome-wide DNA methylation during mouse preimplantation development. Epigenetics, 2020, 15, 369-385.	2.7	21
51	Functionalized nanoparticles with targeted antibody to enhance imaging of breast cancer in vivo. Journal of Nanobiotechnology, 2020, 18, 135.	9.1	20
52	Resolvin D1 Attenuates Innate Immune Reactions in Experimental Subarachnoid Hemorrhage Rat Model. Molecular Neurobiology, 2021, 58, 1963-1977.	4.0	19
53	A Highly Automated Mobile Laboratory for On-site Molecular Diagnostics in the COVID-19 Pandemic. Clinical Chemistry, 2021, 67, 672-683.	3.2	19
54	Broadly resistant HIV-1 against CD4-binding site neutralizing antibodies. PLoS Pathogens, 2019, 15, e1007819.	4.7	18

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55	A Flexible Dual-Analyte Electrochemical Biosensor for Salivary Glucose and Lactate Detection. Biosensors, 2022, 12, 210.	4.7	18
56	A Bioenvironment-Responsive Versatile Nanoplatform Enabling Rapid Clearance and Effective Tumor Homing for Oxygen-Enhanced Radiotherapy. Chemistry of Materials, 2018, 30, 5412-5421.	6.7	17
57	Oridonin induces G2/M cell cycle arrest and apoptosis in human oral squamous cell carcinoma. European Journal of Pharmacology, 2017, 815, 282-289.	3.5	15
58	Tumor Microenvironment Activated Chemodynamic–Photodynamic Therapy by Multistage Selfâ€Assembly Engineered Protein Nanomedicine. Advanced Functional Materials, 2022, 32, .	14.9	15
59	Multiparametric MRI and Machine Learning Based Radiomic Models for Preoperative Prediction of Multiple Biological Characteristics in Prostate Cancer. Frontiers in Oncology, 2022, 12, 839621.	2.8	15
60	Single-cell compressibility quantification for assessing metastatic potential of cancer cells through multi-frequency acoustophoresis. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	14
61	Development of a Potent and Protective Germline-Like Antibody Lineage Against Zika Virus in a Convalescent Human. Frontiers in Immunology, 2019, 10, 2424.	4.8	14
62	Structural insights into the recognition of histone H3Q5 serotonylation by WDR5. Science Advances, 2021, 7, .	10.3	14
63	Apoptosis-enhanced ferroptosis therapy of pancreatic carcinoma through PAMAM dendrimer-iron(III) complex-based plasmid delivery. Science China Chemistry, 2022, 65, 778-788.	8.2	13
64	Distinct genomic landscape of Chinese pediatric acute myeloid leukemia impacts clinical risk classification. Nature Communications, 2022, 13, 1640.	12.8	13
65	Expression of HGF/c-Met Is Dynamically Regulated in the Dorsal Root Ganglions and Spinal Cord of Adult Rats following Sciatic Nerve Ligation. NeuroSignals, 2010, 18, 49-56.	0.9	12
66	A comparison of 3D-CTA and 4D-CE-MRA for the dynamic monitoring of angiogenesis in a rabbit VX2 tumor. European Journal of Radiology, 2012, 81, 104-110.	2.6	12
67	Microfluidic geometric metering-based multi-reagent mixture generator for robust live cell screening array. Biomedical Microdevices, 2014, 16, 887-896.	2.8	11
68	Decorin promotes proliferation and migration of <scp>ORS</scp> keratinocytes and maintains hair anagen in mice. Experimental Dermatology, 2018, 27, 1237-1244.	2.9	11
69	Inhibition of Elevated Hippocampal CD24 Reduces Neurogenesis in Mice With Traumatic Brain Injury. Journal of Surgical Research, 2020, 245, 321-329.	1.6	11
70	Macrophages loaded with dendrimer-entrapped gold nanoparticles as a theranostic platform for CT imaging-guided combinational therapy of orthotopic osteosarcoma. Chemical Engineering Journal, 2021, 417, 129273.	12.7	11
71	PEGylated (NH 4) x WO 3 nanorods as efficient and stable multifunctional nanoagents for simultaneous CT imaging and photothermal therapy of tumor. Journal of Photochemistry and Photobiology B: Biology, 2017, 174, 10-17.	3.8	10
72	A Simple Strategy to Fabricate Phthalocyanine-Encapsulated Nanodots for Magnetic Resonance Imaging and Antitumor Phototherapy. ACS Applied Bio Materials, 2020, 3, 3681-3689.	4.6	10

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73	The promyelocytic leukemia protein isoform PML1 is an oncoprotein and a direct target of the antioxidant sulforaphane (SFN). Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118707.	4.1	9
74	PLGA Hollow Microbubbles Loaded with Iron Oxide Nanoparticles and Doxorubicin for Dual-mode US/MR Imaging and Drug Delivery. Current Nanoscience, 2014, 10, 543-552.	1.2	9
75	Combination of vascular endothelial growth factor antisense oligonucleotide therapy and radiotherapy increases the curative effects against maxillofacial VX2 tumors in rabbits. European Journal of Radiology, 2011, 78, 272-276.	2.6	8
76	Effects of fluid medium flow and spatial temperature variation on acoustophoretic motion of microparticles in microfluidic channels. Journal of the Acoustical Society of America, 2016, 139, 332-349.	1.1	8
77	Synthesis of diatrizoic acid-modified LAPONITE® nanodisks for CT imaging applications. RSC Advances, 2016, 6, 57490-57496.	3.6	8
78	Research on drug resistance mechanism of trastuzumab caused by the activation of PI3K/Akt signaling pathway. Wspolczesna Onkologia, 2013, 4, 363-369.	1.4	7
79	Gd (III) DOTAâ€Functionalized Phthalocyanine Nanodots for Magnetic Resonance Imaging and Photothermal/Photodynamic Therapy. Advanced Materials Interfaces, 2020, 7, 2000713.	3.7	7
80	Enhanced Autophagy in GAB1-Deficient Vascular Endothelial Cells Is Responsible for Atherosclerosis Progression. Frontiers in Physiology, 2020, 11, 559396.	2.8	7
81	Development of single-cell-level microfluidic technology for long-term growth visualization of living cultures of Mycobacterium smegmatis. Microsystems and Nanoengineering, 2021, 7, 37.	7.0	7
82	Genetic characterization of 19 X-STRs in Sierra Leone population from Freetown. International Journal of Legal Medicine, 2020, 134, 1659-1661.	2.2	6
83	Design of a Versatile Angle-Rotatable Skull-Shaped Conformal Transcranial Focused Ultrasound Transducer for Noninvasive Brain Therapy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 116-126.	3.0	6
84	Utilization of radiomics to predict long-term outcome of magnetic resonance–guided focused ultrasound ablation therapy in adenomyosis. European Radiology, 2021, 31, 392-402.	4.5	6
85	Immuno-Acoustic Sorting of Disease-Specific Extracellular Vesicles by Acoustophoretic Force. Micromachines, 2021, 12, 1534.	2.9	6
86	Genomic analysis of host gene responses to cerebral Plasmodium falciparum malaria. Immunity, Inflammation and Disease, 2021, 9, 819-826.	2.7	5
87	An efficient and accurate parallel hybrid acoustic signal correction method for transcranial ultrasound. Physics in Medicine and Biology, 2020, 65, 215019.	3.0	5
88	A movable type bioelectronics printing technology for modular fabrication of biosensors. Scientific Reports, 2021, 11, 22323.	3.3	5
89	High relaxivity Gd3+-based organic nanoparticles for efficient magnetic resonance angiography. Journal of Nanobiotechnology, 2022, 20, 170.	9.1	5
90	Dual-modality magnetic resonance/optical imaging-guided sonodynamic therapy of pancreatic cancer with metalâ€"organic nanosonosensitizer. Nano Research, 2022, 15, 6340-6347.	10.4	5

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91	3.0-T MR Imaging of Intracoronary Local Delivery of Motexafin Gadolinium into Coronary Artery Walls. Radiology, 2013, 268, 556-562.	7.3	4
92	A portable sperm cell purification instrument based on continuous flow acoustophoretic separation of sperm cells for on-site forensic sample pretreatment. Lab on A Chip, 2021, 21, 933-941.	6.0	4
93	A Prospective Study of Etiological Agents Among Febrile Patients in Sierra Leone. Infectious Diseases and Therapy, 2021, 10, 1645-1664.	4.0	4
94	Aberrant GATA2 Activation in Pediatric B-Cell Acute Lymphoblastic Leukemia. Frontiers in Pediatrics, 2021, 9, 795529.	1.9	4
95	Characteristics and Management of Granulomatous Lobular Mastitis Associated with Antipsychotics-Induced Hyperprolactinemia. Breastfeeding Medicine, 2022, 17, 599-604.	1.7	4
96	Acoustophoretic force-based compressibility measurement of cancer cells having different metastatic potential. Proceedings of Meetings on Acoustics, 2013, , .	0.3	3
97	A high-throughput label-free time-stretch acoustofluidic imaging cytometer for single-cell mechanotyping. Microfluidics and Nanofluidics, 2020, 24, 1.	2.2	3
98	Dendrimerâ€Based Nanosensitizers: Targeted Tumor Hypoxia Dualâ€Mode CT/MR Imaging and Enhanced Radiation Therapy Using Dendrimerâ€Based Nanosensitizers (Adv. Funct. Mater. 13/2020). Advanced Functional Materials, 2020, 30, 2070082.	14.9	3
99	Treatment of intravenous leiomyoma with transcatheter arterial embolization. International Journal of Gynecology and Obstetrics, 2010, 110, 71-73.	2.3	2
100	CTA Combined with CT Perfusion for Assessing the Efficacy of Anti-angiogenic Therapy in Rabbit VX2 Tumors. Academic Radiology, 2012, 19, 358-365.	2.5	2
101	Numerical modeling for analyzing microfluidic acoustophoretic motion of cells and particles with application to identification of vibro-acoustic properties. Proceedings of Meetings on Acoustics, 2013,	0.3	2
102	PRFS- Based MR Thermometry with Correction for Fat Interference. , 2019, , .		2
103	Acoustofluidic microdevice for precise control of pressure nodal positions. Microfluidics and Nanofluidics, 2020, 24, 1.	2.2	2
104	Forensic parameters and genetic structure analysis of 30 autosomal InDels of the population in Freetown, Sierra Leone. International Journal of Legal Medicine, 2021, 135, 767-769.	2.2	2
105	Suppressing Grating Lobes for Transcranial Focused Ultrasound System by Frequency-Modulated Excitation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 341-351.	3.0	2
106	SREBP1 suppresses the differentiation and epithelial function of hiPSC-derived endothelial cells by inhibiting the microRNA199b-5p pathway. Stem Cell Research, 2021, 51, 102174.	0.7	2
107	Transcriptional regulation of the mannitol phosphotransferase system operon by the ferric uptake regulator (Fur) in Vibrio cholerae El Tor serogroup O1. Research in Microbiology, 2021, 172, 103848.	2.1	2
108	Human Pneumonia Caused by <i>Bordetella hinzii</i> : First Case in Asia and Literature Review. Annals of Laboratory Medicine, 2021, 41, 439-442.	2.5	2

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109	<strong>Targeted MR Imaging Adopting T1-weighted Ultra-Small Iron Oxide Nanoparticles for Early Hepatocellular Carcinomaï¼sAn in vitro and in vivo Study</strong> . Chinese Medical Sciences Journal, 2020, 35, 6.	0.4	2
110	MRI-Monitored Intra-Shunt Local Agent Delivery of Motexafin Gadolinium: Towards Improving Long-Term Patency of TIPS. PLoS ONE, 2013, 8, e57419.	2.5	1
111	Value of zero echo time MR imaging and CT in diagnosis of bone destructions of bone tumors and tumor-like lesions. Chinese Journal of Academic Radiology, 2020, 3, 108-114.	0.6	1
112	Deep Learning-Based Computed Tomography Images for Quantitative Measurement of the Correlation between Epicardial Adipose Tissue Volume and Coronary Heart Disease. Scientific Programming, 2021, 2021, 1-9.	0.7	1
113	The functional role of OGDH for maintaining mitochondrial respiration and identity of primed human embryonic stem cells. Biochemical and Biophysical Research Communications, 2022, 612, 30-36.	2.1	1
114	Acoustic standing wave based microsystem for low-concentration oil detection and separation. Proceedings of Meetings on Acoustics, $2013$ , , .	0.3	0
115	Universal Software Architecture of Magnetic Resonance-Guided Focused Ultrasound Surgery System and Experimental Study. Journal of Shanghai Jiaotong University (Science), 2021, 26, 471.	0.9	0
116	Adverse Pregnancy Outcomes Following Exposure to Biologics in Women With Crohn's Disease: A Systematic Review and Meta-Analysis. Frontiers in Medicine, 2021, 8, 753088.	2.6	0
117	Strategic plan for the management of COVID-19 in an obstetrics department. Revista Da Associação Médica Brasileira, 2020, 66, 890-893.	0.7	0
118	Evaluation Value of Intravoxel Incoherent Motion Diffusion-Weighted Imaging on Early Efficacy of Magnetic Resonance-Guided High-Intensity Focused Ultrasound Ablation for Uterine Adenomyoma. Journal of Shanghai Jiaotong University (Science), 0, , 1.	0.9	0
119	Evaluation of efficacy and safety of rivaroxaban combined with aspirin in patients with chronic coronary artery disease. Medicine (United States), 2022, 101, e28779.	1.0	0
120	Distinct Genomic Landscape of Chinese Pediatric Acute Myeloid Leukemia. Blood, 2020, 136, 38-38.	1.4	0