Cheng Li

List of Publications by Year
in descending order

45 papers	2,875 citations	304743 22 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	5880 citing authors

#	Article	IF	Citations
1	Potent binding of 2019 novel coronavirus spike protein by a SARS coronavirus-specific human monoclonal antibody. Emerging Microbes and Infections, 2020, 9, 382-385.	6.5	1,086
2	Identification of Human Single-Domain Antibodies against SARS-CoV-2. Cell Host and Microbe, 2020, 27, 891-898.e5.	11.0	227
3	3D Deep Learning from CT Scans Predicts Tumor Invasiveness of Subcentimeter Pulmonary Adenocarcinomas. Cancer Research, 2018, 78, 6881-6889.	0.9	150
4	Human-IgG-Neutralizing Monoclonal Antibodies Block the SARS-CoV-2 Infection. Cell Reports, 2020, 32, 107918.	6.4	148
5	A Radiomics Approach With CNN for Shear-Wave Elastography Breast Tumor Classification. IEEE Transactions on Biomedical Engineering, 2018, 65, 1935-1942.	4.2	110
6	Enhancement versus neutralization by SARS-CoV-2 antibodies from a convalescent donor associates with distinct epitopes on the RBD. Cell Reports, 2021, 34, 108699.	6.4	110
7	AUNet: attention-guided dense-upsampling networks for breast mass segmentation in whole mammograms. Physics in Medicine and Biology, 2020, 65, 055005.	3.0	89
8	Toward automatic prediction of *EGFR* mutation status in pulmonary adenocarcinoma with 3D deep learning. Cancer Medicine, 2019, 8, 3532-3543.	2.8	87
9	Broad neutralization of SARS-CoV-2 variants by an inhalable bispecific single-domain antibody. Cell, 2022, 185, 1389-1401.e18.	28.9	82
10	Radiomics for lung adenocarcinoma manifesting as pure ground-glass nodules: invasive prediction. European Radiology, 2020, 30, 3650-3659.	4.5	78
11	X-Net: Brain Stroke Lesion Segmentation Based on Depthwise Separable Convolution and Long-Range Dependencies. Lecture Notes in Computer Science, 2019, , 247-255.	1.3	69
12	Annotation-efficient deep learning for automatic medical image segmentation. Nature Communications, 2021, 12, 5915.	12.8	59
13	Development and validation of a radiomics nomogram for identifying invasiveness of pulmonary adenocarcinomas appearing as subcentimeter ground-glass opacity nodules. European Journal of Radiology, 2019, 112, 161-168.	2.6	54
14	Synthetic Homogeneous Glycoforms of the SARS‐CoV‐2 Spike Receptor‐Binding Domain Reveals Different Binding Profiles of Monoclonal Antibodies. Angewandte Chemie - International Edition, 2021, 60, 12904-12910.	13.8	49
15	Multi-View Mammographic Density Classification by Dilated and Attention-Guided Residual Learning. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1003-1013.	3.0	38
16	CLCI-Net: Cross-Level Fusion and Context Inference Networks for Lesion Segmentation of Chronic Stroke. Lecture Notes in Computer Science, 2019, , 266-274.	1.3	38
17	The Potential of Radiomics Nomogram in Non-invasively Prediction of Epidermal Growth Factor Receptor Mutation Status and Subtypes in Lung Adenocarcinoma. Frontiers in Oncology, 2019, 9, 1485.	2.8	36
18	A Coarse-to-Fine Deformable Transformation Framework for Unsupervised Multi-Contrast MR Image Registration with Dual Consistency Constraint. IEEE Transactions on Medical Imaging, 2021, 40, 2589-2599.	8.9	35

#	Article	IF	Citations
19	Learning Cross-Modal Deep Representations for Multi-Modal MR Image Segmentation. Lecture Notes in Computer Science, 2019, , 57-65.	1.3	34
20	Multi-label ocular disease classification with a dense correlation deep neural network. Biomedical Signal Processing and Control, 2021, 63, 102167.	5.7	32
21	The impact of receptor-binding domain natural mutations on antibody recognition of SARS-CoV-2. Signal Transduction and Targeted Therapy, 2021, 6, 132.	17.1	29
22	Deciphering Protein Corona by scFv-Based Affinity Chromatography. Nano Letters, 2021, 21, 2124-2131.	9.1	28
23	A non-ACE2 competing human single-domain antibody confers broad neutralization against SARS-CoV-2 and circulating variants. Signal Transduction and Targeted Therapy, 2021, 6, 378.	17.1	26
24	Anti-PEG scFv corona ameliorates accelerated blood clearance phenomenon of PEGylated nanomedicines. Journal of Controlled Release, 2021, 330, 493-501.	9.9	24
25	Convolution kernel and iterative reconstruction affect the diagnostic performance of radiomics and deep learning in lung adenocarcinoma pathological subtypes. Thoracic Cancer, 2019, 10, 1893-1903.	1.9	19
26	miR-145-5p Inhibits Vascular Smooth Muscle Cells (VSMCs) Proliferation and Migration by Dysregulating the Transforming Growth Factor-b Signaling Cascade. Medical Science Monitor, 2018, 24, 4894-4904.	1.1	18
27	Analysis of CT morphologic features and attenuation for differentiating among transient lesions, atypical adenomatous hyperplasia, adenocarcinoma in situ, minimally invasive and invasive adenocarcinoma presenting as pure ground-glass nodules. Scientific Reports, 2019, 9, 14586.	3.3	17
28	Anti-Drift in Electronic Nose via Dimensionality Reduction: A Discriminative Subspace Projection Approach. IEEE Access, 2019, 7, 170087-170095.	4.2	17
29	Self-speculation of clinical features based on knowledge distillation for accurate ocular disease classification. Biomedical Signal Processing and Control, 2021, 67, 102491.	5.7	13
30	Antibody Cocktail Exhibits Broad Neutralization Activity Against SARS-CoV-2 and SARS-CoV-2 Variants. Virologica Sinica, 2021, 36, 934-947.	3.0	12
31	Facile Separation of PEGylated Liposomes Enabled by Anti-PEG scFv. Nano Letters, 2021, 21, 10107-10113.	9.1	12
32	Radiomics signature on CECT as a predictive factor for invasiveness of lung adenocarcinoma manifesting as subcentimeter ground glass nodules. Scientific Reports, 2021, 11, 3633.	3.3	10
33	The Envelope Gene of Hepatitis B Virus Is Implicated in Both Differential Virion Secretion and Genome Replication Capacities between Genotype B and Genotype C Isolates. Viruses, 2017, 9, 62.	3.3	6
34	Core gene insertion in hepatitis B virus genotype G functions at both the encoded amino acid sequence and RNA structure levels to stimulate core protein expression. Virology, 2019, 526, 203-213.	2.4	6
35	Evaluation of a High Concentrated Contrast Media Injection Protocol in Combination with Low Tube Current for Dose Reduction in Coronary Computed Tomography Angiography. Academic Radiology, 2017, 24, 1482-1490.	2.5	5
36	Deep Mining of Human Antibody Repertoires: Concepts, Methodologies, and Applications. Small Methods, 2020, 4, 2000451.	8.6	5

#	ARTICLE	IF	CITATIONS
37	Use of contrast‑enhanced computed tomographic imaging to diagnose and evaluate Behï¿½et's disease with vascular complications. Experimental and Therapeutic Medicine, 2019, 18, 4265-4272.	1.8	4
38	Betulinic acid promotes the osteogenic differentiation of human periodontal ligament stem cells by upregulating EGR1. Acta Biochimica Et Biophysica Sinica, 2021, 53, 1266-1276.	2.0	3
39	Contrast medium administration with a body surface area protocol in step-and-shoot coronary computed tomography angiography with dual-source scanners. Scientific Reports, 2020, 10, 16690.	3.3	2
40	Synthetic Homogeneous Glycoforms of the SARS‑CoV‑2 Spike Receptor‑Binding Domain Reveals Different Binding Profiles of Monoclonal Antibodies. Angewandte Chemie, 2021, 133, 13014-13020.	2.0	2
41	A Computed Tomography-Derived Radiomics Approach for Predicting Uncommon EGFR Mutation in Patients With NSCLC. Frontiers in Oncology, 2021, 11, 722106.	2.8	2
42	Chemokine Receptor 2 (CXCR2) Gene Polymorphisms and Their Association with the Risk of Developing Peri-Implantitis in Chinese Han Population. Journal of Inflammation Research, 2021, Volume 14, 1625-1631.	3.5	1
43	Coronary Computed Tomography (CT) Angiography Characteristics of High-Risk Plaque: Correlation with Stress Myocardial Perfusion Imaging in Patients with Moderate Coronary Stenosis. Medical Science Monitor, 2020, 26, e920950.	1.1	1
44	Counter changes with changelessness: cope with SARS-CoV-2 immune evasion by targeting cryptic epitopes. , 2022, 1, 24-26.		1
45	Image quality and clinical usefulness of automatic tube current modulation technology in female chest computed tomography screening. Medicine (United States), 2020, 99, e21719.	1.0	0