Nan Zhang

List of Publications by Year in descending order

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304743 345221 1,915 124 22 36 h-index citations g-index papers 131 131 131 2809 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Deep Learning for Diagnosis of Chronic Myocardial Infarction on Nonenhanced Cardiac Cine MRI. Radiology, 2019, 291, 606-617.	7.3	144
2	A systematic review of chest imaging findings in COVID-19. Quantitative Imaging in Medicine and Surgery, 2020, 10, 1058-1079.	2.0	110
3	Antibiotic-Induced Disruption of Gut Microbiota Alters Local Metabolomes and Immune Responses. Frontiers in Cellular and Infection Microbiology, 2019, 9, 99.	3.9	109
4	cPKCÎ ³ -Modulated Autophagy in Neurons Alleviates Ischemic Injury in Brain of Mice with Ischemic Stroke Through Akt-mTOR Pathway. Translational Stroke Research, 2016, 7, 497-511.	4.2	73
5	Microâ€RNAâ€30a regulates ischemiaâ€induced cell death by targeting heat shock protein HSPA5 in primary cultured cortical neurons and mouse brain after stroke. Journal of Neuroscience Research, 2015, 93, 1756-1768.	2.9	55
6	Visitâ€ŧoâ€Visit Variability of Fasting Plasma Glucose and the Risk of Cardiovascular Disease and Allâ€Cause Mortality in the General Population. Journal of the American Heart Association, 2017, 6, .	3.7	51
7	Astragaloside IV improves renal function and fibrosis via inhibition of miR-21-induced podocyte dedifferentiation and mesangial cell activation in diabetic mice. Drug Design, Development and Therapy, 2018, Volume 12, 2431-2442.	4.3	47
8	Astragaloside IV represses high glucose-induced mesangial cells activation by enhancing autophagy via SIRT1 deacetylation of NF-& high glucose; B P65 subunit. Drug Design, Development and Therapy, 2018, Volume 12, 2971-2980.	4.3	45
9	Clinical characteristics and chest CT imaging features of critically ill COVID-19 patients. European Radiology, 2020, 30, 6151-6160.	4.5	45
10	Hypoxic preconditioning induced neuroprotection against cerebral ischemic injuries and its cPKCÎ ³ -mediated molecular mechanism. Neurochemistry International, 2011, 58, 684-692.	3.8	44
11	Genome-wide Identification and Characterization of a Superfamily of Bacterial Extracellular Contractile Injection Systems. Cell Reports, 2019, 29, 511-521.e2.	6.4	44
12	MicroRNA-378 Alleviates Cerebral Ischemic Injury by Negatively Regulating Apoptosis Executioner Caspase-3. International Journal of Molecular Sciences, 2016, 17, 1427.	4.1	37
13	Flavonones from Penthorum chinense Ameliorate Hepatic Steatosis by Activating the SIRT1/AMPK Pathway in HepG2 Cells. International Journal of Molecular Sciences, 2018, 19, 2555.	4.1	36
14	Airway microbiome, host immune response and recurrent wheezing in infants with severe respiratory syncytial virus bronchiolitis. Pediatric Allergy and Immunology, 2020, 31, 281-289.	2.6	35
15	Optical surgical instrument tracking system based on the principle of stereo vision. Journal of Biomedical Optics, 2017, 22, 065005.	2.6	35
16	The three-phase enriched environment paradigm promotes neurovascular restorative and prevents learning impairment after ischemic stroke in rats. Neurobiology of Disease, 2020, 146, 105091.	4.4	32
17	Ferrostatin-1 alleviated TNBS induced colitis via the inhibition of ferroptosis. Biochemical and Biophysical Research Communications, 2021, 573, 48-54.	2.1	31
18	Bu Shen Yi Sui capsule promotes remyelination correlating with Sema3A/NRP-1, LIF/LIFR and Nkx6.2 in mice with experimental autoimmune encephalomyelitis. Journal of Ethnopharmacology, 2018, 217, 36-48.	4.1	30

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19	Histological validation of cardiac magnetic resonance $\langle i \rangle T \langle i \rangle \langle sub \rangle 1 \langle sub \rangle$ mapping for detecting diffuse myocardial fibrosis in diabetic rabbits. Journal of Magnetic Resonance Imaging, 2016, 44, 1179-1185.	3.4	28
20	Seroprevalence of pertussis among adults in China where whole cell vaccines have been used for 50 years. Journal of Infection, 2016, 73, 38-44.	3.3	27
21	Bu Shen Yi Sui Capsule Alleviates Neuroinflammation and Demyelination by Promoting Microglia toward M2 Polarization, Which Correlates with Changes in miR-124 and miR-155 in Experimental Autoimmune Encephalomyelitis. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-26.	4.0	25
22	Gastrodin inhibits neuroinflammation in rotenone-induced Parkinson's disease model rats. Neural Regeneration Research, 2012, 7, 325-31.	3.0	25
23	Alkaloids from piper longum protect dopaminergic neurons against inflammation-mediated damage induced by intranigral injection of lipopolysaccharide. BMC Complementary and Alternative Medicine, 2016, 16, 412.	3.7	23
24	Neuron-specific phosphorylation of c-Jun N-terminal kinase increased in the brain of hypoxic preconditioned mice. Neuroscience Letters, 2007, 423, 219-224.	2.1	22
25	cPKCÎ ³ -Modulated Sequential Reactivation of mTOR Inhibited Autophagic Flux in Neurons Exposed to Oxygen Glucose Deprivation/Reperfusion. International Journal of Molecular Sciences, 2018, 19, 1380.	4.1	22
26	Quantitative Study of Abdominal Blood Flow Patterns in Patients with Aortic Dissection by 4-Dimensional Flow MRI. Scientific Reports, 2018, 8, 9111.	3.3	22
27	Histological validation of cardiac magnetic resonance T 1 mapping for detecting diffuse myocardial fibrosis in diabetic rabbits. Journal of Magnetic Resonance Imaging, 2016, 44, spcone-spcone.	3.4	21
28	Toll like receptor7 polymorphisms in relation to disease susceptibility and progression in Chinese patients with chronic HBV infection. Scientific Reports, 2017, 7, 12417.	3.3	21
29	Nitric oxide-mediated pathways and its role in the degenerative diseases. Frontiers in Bioscience - Landmark, 2017, 22, 824-834.	3.0	21
30	DANTEâ€prepared threeâ€dimensional FLASH: A fast isotropicâ€resolution MR approach to morphological evaluation of the peripheral arterial wall at 3 tesla. Journal of Magnetic Resonance Imaging, 2016, 43, 343-351.	3.4	19
31	Fully automatic framework for comprehensive coronary artery calcium scores analysis on non-contrast cardiac-gated CT scan: Total and vessel-specific quantifications. European Journal of Radiology, 2021, 134, 109420.	2.6	19
32	Baicalin and deferoxamine alleviate iron accumulation in different brain regions of Parkinson's disease rats. Neural Regeneration Research, 2012, 7, 2092-8.	3.0	19
33	Prediction of coronary plaque progression using biomechanical factors and vascular characteristics based on computed tomography angiography. Computer Assisted Surgery, 2017, 22, 286-294.	1.3	17
34	An MRI Study of Neurovascular Restorative After Combination Treatment With Xiaoshuan Enteric-Coated Capsule and Enriched Environment in Rats After Stroke. Frontiers in Neuroscience, 2019, 13, 701.	2.8	17
35	Oxidized low-density lipoprotein (LDL) and LDL cholesterol are associated with outcomes of minor stroke and TIA. Atherosclerosis, 2020, 297, 74-80.	0.8	16
36	Mesangial C3 deposition and serum C3 levels predict renal outcome in IgA nephropathy. Clinical and Experimental Nephrology, 2021, 25, 641-651.	1.6	16

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37	MiR-1298-5p level downregulation induced by Helicobacter pylori infection inhibits autophagy and promotes gastric cancer development by targeting MAP2K6. Cellular Signalling, 2022, 93, 110286.	3.6	15
38	Noncontrast MR angiography (MRA) of infragenual arteries using flowâ€sensitive dephasing (FSD)â€prepared steadyâ€state free precession (SSFP) at 3.0 Tesla: Comparison with contrastâ€enhanced MRA. Journal of Magnetic Resonance Imaging, 2016, 43, 364-372.	3.4	14
39	Polymorphisms of toll-like receptors 2 and 9 and severity and prognosis of bacterial meningitis in Chinese children. Scientific Reports, 2017, 7, 42796.	3.3	14
40	Effects of Bu Shen Yi sui capsule on NogoA/NgR and its signaling pathways RhoA/ROCK in mice with experimental autoimmune encephalomyelitis. BMC Complementary and Alternative Medicine, 2017, 17, 346.	3.7	14
41	The effectiveness of cortico-cortical evoked potential in detecting seizure onset zones. Neurological Research, 2018, 40, 480-490.	1.3	14
42	An overview of 3D video representation and coding. 3D Research, 2010, 1, 43-47.	1.8	13
43	Joint just noticeable difference model based on depth perception for stereoscopic images. , 2011, , .		13
44	The anterior cingulate cortex directly enhances auditory cortical responses in air-puffing-facilitated flight behavior. Cell Reports, 2022, 38, 110506.	6.4	13
45	Twoâ€Year Changes in Proteinuria and the Risk of Stroke in the Chinese Population: A Prospective Cohort Study. Journal of the American Heart Association, 2017, 6, .	3.7	12
46	The Bu Shen Yi Sui Formula Promotes Axonal Regeneration via Regulating the Neurotrophic Factor BDNF/TrkB and the Downstream PI3K/Akt Signaling Pathway. Frontiers in Pharmacology, 2019, 10, 796.	3.5	12
47	Clinical and Imaging Features of Primary Cardiac Angiosarcoma. Diagnostics, 2020, 10, 776.	2.6	12
48	Houshiheisan compound prescription protects neurovascular units after cerebral ischemia. Neural Regeneration Research, 2014, 9, 741.	3.0	12
49	Dysbiosis of Gut Microbiota Promotes Hepatocellular Carcinoma Progression by Regulating the Immune Response. Journal of Immunology Research, 2021, 2021, 1-13.	2.2	12
50	Autophagy-ERK1/2-Involved Disinhibition of Hippocampal Neurons Contributes to the Pre-Synaptic Toxicity Induced by $\hat{Al^2}42$ Exposure. Journal of Alzheimer's Disease, 2017, 59, 851-869.	2.6	11
51	Research progress of computer aided diagnosis system for pulmonary nodules in CT images. Journal of X-Ray Science and Technology, 2020, 28, 1-16.	1.0	11
52	Acute type A aortic intramural hematoma and type A aortic dissection: correlation between the intimal tear features and pathogenesis. Quantitative Imaging in Medicine and Surgery, 2020, 10, 1504-1514.	2.0	11
53	MicroRNA-125a-5p modulates macrophage polarization by targeting E26 transformation-specific variant 6 gene during orthodontic tooth movement. Archives of Oral Biology, 2021, 124, 105060.	1.8	11
54	Spinal Cord Diffuse Midline Glioma With Histone H3 K27M Mutation in a Pediatric Patient. Frontiers in Surgery, 2021, 8, 616334.	1.4	11

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55	Image Quality and Stenosis Assessment of Non-Contrast-Enhanced 3-T Magnetic Resonance Angiography in Patients with Peripheral Artery Disease Compared with Contrast-Enhanced Magnetic Resonance Angiography and Digital Subtraction Angiography. PLoS ONE, 2016, 11, e0166467.	2.5	10
56	Use of Rectal Swab Samples for Analysis of the Intestinal Microbiome in Children. Chinese Medical Journal, 2018, 131, 492-494.	2.3	10
57	Oxidized low-density lipoprotein predicts recurrent stroke in patients with minor stroke or TIA. Neurology, 2018, 91, e947-e955.	1.1	10
58	Increased susceptibility to pertussis in adults at childbearing age as determined by comparative seroprevalence study, China 2010–2016. Journal of Infection, 2019, 79, 1-6.	3.3	10
59	Cerebrovascular risk factors associated with ischemic stroke in a young non-diabetic and non-hypertensive population: a retrospective case-control study. BMC Neurology, 2020, 20, 424.	1.8	10
60	Inhibition of miR-200b-3p alleviates hypoxia-ischemic brain damage via targeting Slit2 in neonatal rats. Biochemical and Biophysical Research Communications, 2020, 523, 931-938.	2.1	10
61	Structure-driven Adaptive Non-local Filter for High Efficiency Video Coding (HEVC). , 2016, , .		9
62	Rate-distortion optimized scan for point cloud color compression. , 2017, , .		9
63	Oxidized Low-Density Lipoprotein to High-Density Lipoprotein Ratio Predicts Recurrent Stroke in Minor Stroke or Transient Ischemic Attack. Stroke, 2018, 49, 2637-2642.	2.0	9
64	Diagnostic and Prognostic Value of Cardiac Magnetic Resonance Strain in Suspected Myocarditis With Preserved <scp>LVâ€EF</scp> : A Comparison Between Patients With Negative and Positive Late Gadolinium Enhancement Findings. Journal of Magnetic Resonance Imaging, 2022, 55, 1109-1119.	3.4	9
65	Does Lower Limb Exercise Worsen Renal Artery Hemodynamics in Patients with Abdominal Aortic Aneurysm?. PLoS ONE, 2015, 10, e0125121.	2.5	8
66	Low Dose of Lipopolysaccharide Pretreatment Preventing Subsequent Endotoxin-Induced Uveitis Is Associated with PI3K/AKT Pathway. Journal of Immunology Research, 2017, 2017, 1-7.	2.2	8
67	Frozen Elephant Trunk for Acute Type B Dissection Involving the Distal Arch in the Hybrid Repair Era. Annals of Thoracic Surgery, 2018, 106, 1182-1188.	1.3	8
68	Acute Ischemic Pancreatitis Secondary to Aortic Dissection. Annals of Vascular Surgery, 2018, 52, 85-89.	0.9	8
69	Imaging features of mycotic aortic aneurysms. Quantitative Imaging in Medicine and Surgery, 2021, 11, 2861-2878.	2.0	8
70	Role of diffusion-weighted imaging in distinguishing thoracoabdominal neuroblastic tumours of various histological types and differentiation grades. Journal of Medical Imaging and Radiation Oncology, 2017, 61, 718-724.	1.8	8
71	Adaptive Motion Vector Resolution Scheme for Enhanced Video Coding. , 2016, , .		7
72	Repair of Complicated Chronic Type B Dissection with Distal Aortic Arch Involvement Using Left Subclavian Artery Transposition with Implantation of a Stented Elephant Trunk. Thoracic and Cardiovascular Surgeon, 2017, 65, 099-104.	1.0	7

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73	Fast intra coding unit size decision for HEVC with GPU based keypoint detection. , 2017, , .		7
74	Protection of Lipopolysaccharide (LPS) Preconditioning against Endotoxin-Induced Uveitis (EIU) in Rats is Associated with Overexpression of Interleukin-1 Receptor-Associated Kinase M (IRAK-M). Ocular Immunology and Inflammation, 2018, 26, 943-950.	1.8	7
75	Spatiotemporal transfer of nitric oxide in patient-specific atherosclerotic carotid artery bifurcations with MRI and computational fluid dynamics modeling. Computers in Biology and Medicine, 2020, 125, 104015.	7.0	7
76	Successful rescue of a lethal Griscelli syndrome type 2 presenting with neurological involvement and hemophagocytic lymphohistiocytosis: a case report. BMC Pediatrics, 2021, 21, 253.	1.7	7
77	Age-dependent effects of transverse maxillary deficiency treated by microimplant-assisted rapid palatal expansion: A prospective cone-beam computed tomography study. American Journal of Orthodontics and Dentofacial Orthopedics, 2022, 161, 557-573.	1.7	7
78	Polymorphism of <scp>TLR</scp> 5 rs5744174 is associated with disease progression in Chinese patients with chronic <scp>HBV</scp> infection. Apmis, 2017, 125, 708-716.	2.0	6
79	Distal Arch Aneurysm Repair Using Left Subclavian Artery Transposition With Stented Elephant Trunk in the Hybrid Repair Era. Heart Lung and Circulation, 2019, 28, 814-819.	0.4	5
80	Prediction Efficiency of Postoperative Acute Kidney Injury in Acute Stanford Type A Aortic Dissection Patients with Renal Resistive Index and Semiquantitative Color Doppler. Cardiology Research and Practice, 2019, 2019, 1-8.	1.1	5
81	Effect of longitudinal anatomical mismatch of stenting on the mechanical environment in human carotid artery with atherosclerotic plaques. Medical Engineering and Physics, 2017, 48, 114-119.	1.7	5
82	Optimal entropy-constrained non-uniform scalar quantizer design for low bit-rate pixel domain DVC. Multimedia Tools and Applications, 2014, 70, 1799-1824.	3.9	4
83	GPU based sample adaptive offset parameter decision and perceptual optimization for HEVC. , 2016, , .		4
84	Compact and robust video fingerprinting using sparse represented features. , 2016, , .		4
85	Lp-PLA2 and dual antiplatelet agents in intracranial arterial stenosis. Neurology, 2020, 94, e181-e189.	1.1	4
86	Does Training in <scp>Llâ€RADS</scp> Version 2018 Improve Readers' Agreement with the Expert Consensus and Interâ€reader Agreement in <scp>MRI</scp> Interpretation?. Journal of Magnetic Resonance Imaging, 2021, 54, 1922-1934.	3.4	4
87	CT Findings of Pulmonary Metastases from Primary Cardiac Angiosarcoma. Current Medical Imaging, 2021, 17, 1216-1220.	0.8	4
88	Feasibility study of simultaneous multislice diffusion kurtosis imaging with different acceleration factors in the liver. BMC Medical Imaging, 2021, 21, 132.	2.7	4
89	Hemodynamic Impact of Stenting on Carotid Bifurcation: A Potential Role of the Stented Segment and External Carotid Artery. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-9.	1.3	4
90	Seroprevalence Study of Pertussis in Adults at Childbearing Age and Young Infants Reveals the Necessity of Booster Immunizations in Adults in China. Vaccines, 2022, 10, 84.	4.4	4

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91	PGM3 regulates beta-catenin activity to promote colorectal cancer cell progression. Experimental Biology and Medicine, 2022, 247, 1518-1528.	2.4	4
92	H.264/AVC-Based Depth Map Sequence Coding Using Improved Loop-filter., 2009,,.		3
93	Shape-Based Depth Map Coding. , 2009, , .		3
94	cPKC \hat{I}^3 alleviates ischemic injury through modulating synapsin Ia/b phosphorylation in neurons of mice. Brain Research Bulletin, 2018, 142, 156-162.	3.0	3
95	Generalized Pustular Psoriasis in Patients with Interferon Gamma (IFN- $\hat{1}^3$) Receptor Deficiency and Mycobacterial Infection. Journal of Clinical Immunology, 2021, 41, 829-833.	3.8	3
96	Potential intestinal infection and faecalâ€oral transmission of human coronaviruses. Reviews in Medical Virology, 2022, 32, e2363.	8.3	3
97	Content adaptive in-loop depth map filter for HEVC based 3DV coding. , 2013, , .		2
98	An optimized probability estimation model for binary arithmetic coding. , 2015, , .		2
99	Parallel intra coding for HEVC on CPU plus GPU platform. , 2015, , .		2
100	Plaque components affect wall stress in stented human carotid artery: A numerical study. Acta Mechanica Sinica/Lixue Xuebao, 2016, 32, 1149-1154.	3.4	2
101	Low Mannose Binding Lectin, but Not L-Ficolin, Is Associated With Spontaneous Clearance of Hepatitis C Virus After Infection. Frontiers in Immunology, 2020, 11, 587669.	4.8	2
102	cPKC beta II is significant to hypoxic preconditioning in mice cerebrum. Frontiers in Bioscience - Landmark, 2020, 25, 683-698.	3.0	2
103	Comparison of Different Thoracic Aortic Wall Characteristics for Assessment of Disease Activity in Takayasu Arteritis: A Quantitative Study with 3.0 T Magnetic Resonance Imaging. Reviews in Cardiovascular Medicine, 2022, 23, 092.	1.4	2
104	The auto segmentation for cardiac structures using a dualâ€input deep learning network based on vision saliency and transformer. Journal of Applied Clinical Medical Physics, 2022, 23, e13597.	1.9	2
105	Case Report: Congenital Intracranial Kaposiform Hemangioendothelioma Treated With Surgical Resection. Frontiers in Surgery, 2022, 9, 831190.	1.4	2
106	Quantification of Early Diffuse Myocardial Fibrosis Through 7.0 T Cardiac Magnetic Resonance <scp>T1</scp> Mapping in a Type 1 Diabetic Mellitus Mouse Model. Journal of Magnetic Resonance Imaging, 2023, 57, 167-177.	3.4	2
107	Ghost Imaging for Online Angiography. Translational Neuroscience and Clinics, 2017, 3, 116-120.	0.1	1
108	Repair of Type Ia Endoleaks Involving the Distal Arch Using Left Subclavian Artery–Left Common Carotid Artery Transposition with a Stented Elephant Trunk. Annals of Vascular Surgery, 2020, 67, 332-337.	0.9	1

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109	Spontaneous interventricular septum dissecting hematoma with endocardial fibroelastosis: imaging, diagnosis, surgical therapy and 6-year follow-up outcomes. Quantitative Imaging in Medicine and Surgery, 2020, 10, 878-882.	2.0	1
110	Clinical observation of Dan-Hong Hua-Yu oral solution in treating retinal vein occlusion. Medicine (United States), 2020, 99, e20173.	1.0	1
111	Surgical Experiences of Pediatric Cervical Bronchogenic Cysts: A Case Series of 6 Patients. Ear, Nose and Throat Journal, 2021, , 014556132098219.	0.8	1
112	Virtual view synthesis for the nonuniform illuminated between views in surgical video. Multimedia Tools and Applications, 2021, 80, 20619-20639.	3.9	1
113	Sequential non-invasive following short-term invasive mechanical ventilation in the treatment of tuberculosis with respiratory failure: a randomized controlled study. BMC Pulmonary Medicine, 2021, 21, 203.	2.0	1
114	Bu Shen Yi Sui Capsules Promote Remyelination by Regulating MicroRNA-219 and MicroRNA-338 in Exosomes to Promote Oligodendrocyte Precursor Cell Differentiation. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-19.	1.2	1
115	Study on the Anti-demyelination Mechanism of Bu-Shen-Yi-Sui Capsule in the Central Nervous System Based on Network Pharmacology and Experimental Verification. Mediators of Inflammation, 2022, 2022, 1-23.	3.0	1
116	Improved spatial aided low delay Wyner-Ziv video coding by wavelet shrinkage. , 2011, , .		0
117	Image guided label map propagation in video sequences. , 2015, , .		0
118	Adaptive boundary dependent transform optimization for HEVC., 2015,,.		0
119	Giant primary cardiac synovial sarcoma of the right ventricle. Journal of Cardiac Surgery, 2019, 34, 1642-1644.	0.7	0
120	Dynamic Cerebral Autoregulation in Preclinical Atherosclerotic Cardiovascular Disease. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104810.	1.6	0
121	Systematic Training of Liver Imaging Reporting and Data System Magnetic Resonance Imaging v2018 can Improve the Diagnosis of Hepatocellular Carcinoma for Different Radiologists. Journal of Clinical and Translational Hepatology, 2021, 000, 000-000.	1.4	0
122	Expert consensus of perioperative intensive care and management of critically ill cancer patients (2021). Annals of Palliative Medicine, 2021, 10, 9331-9341.	1.2	0
123	Quantum Correlated Imaging is a Promising New Technique in Medical Imaging. Translational Neuroscience and Clinics, 2017, 3, 63-65.	0.1	0
124	CTA Imaging Features Related to Preoperative Coagulopathy in Patients with Stanford Type A Acute Aortic Dissection. Annals of Vascular Surgery, 2021, , .	0.9	0