

Bensheng Qiu

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

1,597
citations

361413

20
h-index

414414

32
g-index

111
all docs

111
docs citations

111
times ranked

2176
citing authors

#	ARTICLE	IF	CITATIONS
1	Gaussian diffusion sinogram inpainting for X-ray CT metal artifact reduction. <i>BioMedical Engineering OnLine</i> , 2017, 16, 1.	2.7	96
2	Near-Infrared-Controlled Nanoplatform Exploiting Photothermal Promotion of Peroxidase-like and OXD-like Activities for Potent Antibacterial and Anti-biofilm Therapies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50260-50274.	8.0	92
3	Rationally designed rapamycin-encapsulated ZIF-8 nanosystem for overcoming chemotherapy resistance. <i>Biomaterials</i> , 2020, 258, 120308.	11.4	74
4	Decoding and mapping task states of the human brain via deep learning. <i>Human Brain Mapping</i> , 2020, 41, 1505-1519.	3.6	61
5	Advances in Gold Nanoparticles-Based Colorimetric Aptasensors for the Detection of Antibiotics: An Overview of the Past Decade. <i>Nanomaterials</i> , 2021, 11, 840.	4.1	59
6	Peptide-modified vemurafenib-loaded liposomes for targeted inhibition of melanoma via the skin. <i>Biomaterials</i> , 2018, 182, 1-12.	11.4	54
7	Dynamic Functional Connectivity Reveals Abnormal Variability and Hyperconnected Pattern in Autism Spectrum Disorder. <i>Autism Research</i> , 2020, 13, 230-243.	3.8	54
8	Long-term cognitive impairment of breast cancer patients after chemotherapy: A functional MRI study. <i>European Journal of Radiology</i> , 2016, 85, 1053-1057.	2.6	47
9	Functional connectivity change of brain default mode network in breast cancer patients after chemotherapy. <i>Neuroradiology</i> , 2016, 58, 921-928.	2.2	46
10	Role of receptor tyrosine kinases mediated signal transduction pathways in tumor growth and angiogenesis—New insight and futuristic vision. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 739-752.	7.5	39
11	Novel ultrasmall multifunctional nanodots for dual-modal MR/NIR-II imaging-guided photothermal therapy. <i>Biomaterials</i> , 2020, 256, 120219.	11.4	38
12	The Working Memory and Dorsolateral Prefrontal-Hippocampal Functional Connectivity Changes in Long-Term Survival Breast Cancer Patients Treated with Tamoxifen. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 374-382.	2.1	32
13	Modeling nonalcoholic fatty liver disease on a liver lobule chip with dual blood supply. <i>Acta Biomaterialia</i> , 2021, 134, 228-239.	8.3	30
14	Executive Function Alternations of Breast Cancer Patients After Chemotherapy. <i>Academic Radiology</i> , 2016, 23, 1264-1270.	2.5	29
15	Aberrant structural and functional connectivity in the salience network and central executive network circuit in schizophrenia. <i>Neuroscience Letters</i> , 2016, 627, 178-184.	2.1	26
16	The Research of Clinical Decision Support System Based on Three-Layer Knowledge Base Model. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-8.	1.9	26
17	White matter hyperintensities associated with progression of cerebral small vessel disease: a 7-year Chinese urban community study. <i>Aging</i> , 2020, 12, 8506-8522.	3.1	26
18	High Gamma and Beta Temporal Interference Stimulation in the Human Motor Cortex Improves Motor Functions. <i>Frontiers in Neuroscience</i> , 2021, 15, 800436.	2.8	26

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19	Ultra-small Albumin Templated Gd/Ru Composite Nanodots for In Vivo Dual modal MR/Thermal Imaging Guided Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2018, 7, 1800322.	7.6	25
20	Hypoxia inducible factor-1 α expression is associated with hippocampal apoptosis during epileptogenesis. <i>Brain Research</i> , 2014, 1590, 20-30.	2.2	24
21	On-Chip Construction of Liver Lobules with Self-Assembled Perfusable Hepatic Sinusoid Networks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32640-32652.	8.0	24
22	Magnetosonoporation: Instant magnetic labeling of stem cells. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1437-1441.	3.0	23
23	MRI tracking of bone marrow mesenchymal stem cells labeled with ultra-small superparamagnetic iron oxide nanoparticles in a rat model of temporal lobe epilepsy. <i>Neuroscience Letters</i> , 2015, 606, 30-35.	2.1	23
24	The attention network changes in breast cancer patients receiving neoadjuvant chemotherapy: Evidence from an arterial spin labeling perfusion study. <i>Scientific Reports</i> , 2017, 7, 42684.	3.3	22
25	Motor-related brain abnormalities in HIV-infected patients: a multimodal MRI study. <i>Neuroradiology</i> , 2017, 59, 1133-1142.	2.2	22
26	Molecular MRI of hematopoietic stem-progenitor cells: in vivo monitoring of gene therapy and atherosclerosis. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008, 5, 396-404.	3.3	21
27	Strengthened theta-burst transcranial magnetic stimulation as an adjunctive treatment for Alzheimer's disease: An open-label pilot study. <i>Brain Stimulation</i> , 2020, 13, 484-486.	1.6	20
28	Intermittent theta burst stimulation (iTBS) adjustment effects of schizophrenia: Results from an exploratory outcome of a randomized double-blind controlled study. <i>Schizophrenia Research</i> , 2020, 216, 550-553.	2.0	18
29	An irregular metal trace inpainting network for X-ray CT metal artifact reduction. <i>Medical Physics</i> , 2020, 47, 4087-4100.	3.0	18
30	On-Chip Replication of Extremely Early-Stage Tumor Behavior. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19768-19777.	8.0	17
31	Cortical Alterations by the Abnormal Visual Experience beyond the Critical Period: A Resting-state fMRI Study on Constant Exotropia. <i>Current Eye Research</i> , 2019, 44, 1386-1392.	1.5	16
32	A Cross-Domain Metal Trace Restoring Network for Reducing X-Ray CT Metal Artifacts. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3831-3842.	8.9	16
33	Stem Cell Labeling with Superparamagnetic Iron Oxide Nanoparticles Using Focused Ultrasound and Magnetic Resonance Imaging Tracking. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2605-2612.	0.9	15
34	Altered cerebro-cerebellum resting-state functional connectivity in HIV-infected male patients. <i>Journal of NeuroVirology</i> , 2018, 24, 587-596.	2.1	15
35	A hybrid convolutional neural network for super-resolution reconstruction of MR images. <i>Medical Physics</i> , 2020, 47, 3013-3022.	3.0	15
36	White matter hyperintensities induce distal deficits in the connected fibers. <i>Human Brain Mapping</i> , 2021, 42, 1910-1919.	3.6	15

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37	An iron oxide nanoparticle-based transdermal nanoplatform for dual-modal imaging-guided chemo-photothermal therapy of superficial tumors. <i>Acta Biomaterialia</i> , 2021, 130, 473-484.	8.3	15
38	Optimization of magnetosonoporation for stem cell labeling. <i>NMR in Biomedicine</i> , 2010, 23, 480-484.	2.8	14
39	IMIIN: An inter-modality information interaction network for 3D multi-modal breast tumor segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2022, 95, 102021.	5.8	14
40	Dense networks with relative location awareness for thorax disease identification. <i>Medical Physics</i> , 2019, 46, 2064-2073.	3.0	13
41	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.	7.2	13
42	Functional Connectivity Modulation by Acupuncture in Patients with Bell's Palsy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-10.	1.2	12
43	Progress toward quantitative in vivo chemical exchange saturation transfer (CEST) MRI. <i>Israel Journal of Chemistry</i> , 2017, 57, 809-824.	2.3	12
44	Cognitive function and cerebellar morphometric changes relate to abnormal intra-cerebellar and cerebro-cerebellum functional connectivity in old adults. <i>Experimental Gerontology</i> , 2020, 140, 111060.	2.8	12
45	Voxel-based automated detection of focal cortical dysplasia lesions using diffusion tensor imaging and T2-weighted MRI data. <i>Epilepsy and Behavior</i> , 2018, 84, 127-134.	1.7	11
46	In vivo microscopic diffusional kurtosis imaging with symmetrized double diffusion encoding EPI. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 533-541.	3.0	10
47	On-chip label-free determination of cell survival rate. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111820.	10.1	10
48	A real-time wireless wearable electroencephalography system based on Support Vector Machine for encephalopathy daily monitoring. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771877956.	2.2	9
49	Pre-supplementary motor network connectivity and clinical outcome of magnetic stimulation in obsessive-compulsive disorder. <i>Human Brain Mapping</i> , 2021, 42, 3833-3844.	3.6	9
50	Unloading of cryoprotectants from cryoprotectant-loaded cells on a microfluidic platform. <i>Biomedical Microdevices</i> , 2017, 19, 15.	2.8	8
51	Quantitative MR thermometry based on phase-drift correction PRF shift method at 0.35T. <i>BioMedical Engineering OnLine</i> , 2018, 17, 39.	2.7	8
52	Artificial Blood Vessel Frameworks from 3D Printing-Based Super-Assembly as <i>In Vitro</i> Models for Early Diagnosis of Intracranial Aneurysms. <i>Chemistry of Materials</i> , 2020, 32, 3188-3198.	6.7	8
53	Attention module improves both performance and interpretability of four-dimensional functional magnetic resonance imaging decoding neural network. <i>Human Brain Mapping</i> , 2022, 43, 2683-2692.	3.6	8
54	Abnormal intra-network architecture in extra-striate cortices in amblyopia: a resting state fMRI study. <i>Eye and Vision (London, England)</i> , 2019, 6, 20.	3.0	7

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55	Structural and functional abnormalities of vision-related brain regions in cirrhotic patients: a MRI study. <i>Neuroradiology</i> , 2019, 61, 695-702.	2.2	7
56	White matter network disorder in mesial temporal epilepsy: An fMRI study. <i>Epilepsy Research</i> , 2021, 172, 106590.	1.6	7
57	Intermittent theta burst stimulation improved visual-spatial working memory in treatment-resistant schizophrenia: A pilot study. <i>Journal of Psychiatric Research</i> , 2022, 149, 44-53.	3.1	7
58	LMA-Net: A lesion morphology aware network for medical image segmentation towards breast tumors. <i>Computers in Biology and Medicine</i> , 2022, 147, 105685.	7.0	7
59	Dual Transfer of GFP Gene and MGd into Stem-Progenitor Cells. <i>Academic Radiology</i> , 2010, 17, 547-552.	2.5	6
60	A multistage-dialysis microdevice for extraction of cryoprotectants. <i>Biomedical Microdevices</i> , 2017, 19, 30.	2.8	6
61	Fast sparsity adaptive multipath matching pursuit for compressed sensing problems. <i>Journal of Electronic Imaging</i> , 2017, 26, 033007.	0.9	6
62	Visual rehabilitation training alters attentional networks in hemianopia: An fMRI study. <i>Clinical Neurophysiology</i> , 2018, 129, 1832-1841.	1.5	6
63	3D self-gated cardiac cine imaging at 3 Tesla using stack-of-stars bSSFP with tiny golden angles and compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3234-3244.	3.0	6
64	On-chip analysis of magnetically labeled cells with integrated cell sorting and counting techniques. <i>Talanta</i> , 2020, 220, 121351.	5.5	6
65	Abnormal fear circuits activities correlated to physical symptoms in somatic anxiety patients. <i>Journal of Affective Disorders</i> , 2020, 274, 54-58.	4.1	6
66	Microstructural properties of major white matter tracts in constant exotropia before and after strabismus surgery. <i>British Journal of Ophthalmology</i> , 2022, 106, 870-877.	3.9	6
67	Outbreak of COVID-19 altered the relationship between memory bias and depressive degree in nonclinical depression. <i>IScience</i> , 2021, 24, 102081.	4.1	6
68	Thalamocortical Functional Connectivity in Patients With White Matter Hyperintensities. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 632237.	3.4	6
69	Preliminary evaluation of accelerated microscopic diffusional kurtosis imaging ($\frac{1}{4}$ DKI) in a rodent model of epilepsy. <i>Magnetic Resonance Imaging</i> , 2019, 56, 90-95.	1.8	5
70	Basal ganglia-orbitofrontal circuits are associated with prospective memory deficits in Wilson's disease. <i>Brain Imaging and Behavior</i> , 2022, 16, 141-150.	2.1	5
71	Associative memory improvement after 5 days of magnetic stimulation: A replication experiment with active controls. <i>Brain Research</i> , 2021, 1765, 147510.	2.2	5
72	Brain functional specialization and cooperation in Parkinson's disease. <i>Brain Imaging and Behavior</i> , 2022, 16, 565-573.	2.1	5

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73	A single-cell identification and capture chip for automatically and rapidly determining hydraulic permeability of cells. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4537-4548.	3.7	5
74	Acupuncture Treatment Decreased Temporal Variability of Dynamic Functional Connectivity in Chronic Tinnitus. <i>Frontiers in Neuroscience</i> , 2021, 15, 737993.	2.8	5
75	Intravascular 3.0T MRI Using an Imaging-Guidewire: a Feasibility Study in Swine. <i>Applied Magnetic Resonance</i> , 2011, 40, 105-112.	1.2	4
76	A pilot study of short T2* measurements with ultrashort echo time imaging at 0.35T. <i>BioMedical Engineering OnLine</i> , 2018, 17, 70.	2.7	4
77	Functional magnetic resonance imaging in a single schizophrenia patient with voluntary control over auditory verbal hallucinations. <i>Schizophrenia Research</i> , 2020, 215, 465-466.	2.0	4
78	A Transparent Vessel-on-a-Chip Device for Hemodynamic Analysis and Early Diagnosis of Intracranial Aneurysms by CFD and PC-MRI. <i>ACS Sensors</i> , 2020, 5, 4064-4071.	7.8	4
79	Functional MRI Investigation of Ultrasound Stimulation at ST 36. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-7.	1.2	4
80	Atypical Resting-State Functional Connectivity Dynamics Correlate With Early Cognitive Dysfunction in HIV Infection. <i>Frontiers in Neurology</i> , 2020, 11, 606592.	2.4	4
81	Common variants of the autism-associated CNTNAP2 gene contribute to the modulatory effect of social function mediated by temporal cortex. <i>Behavioural Brain Research</i> , 2021, 409, 113319.	2.2	4
82	Functional and structural alterations in the pain-related circuit in major depressive disorder induced by electroconvulsive therapy. <i>Journal of Neuroscience Research</i> , 2022, 100, 477-489.	2.9	4
83	Super-Resolution Reconstruction of 3T-Like Images From 0.35T MRI Using a Hybrid Attention Residual Network. <i>IEEE Access</i> , 2022, 10, 32810-32821.	4.2	4
84	Optimized Magnetic Stimulation Induced Hypoconnectivity Within the Executive Control Network Yields Cognition Improvements in Alzheimer's Patients. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 847223.	3.4	4
85	Compressed sensing MRI via fast linearized preconditioned alternating direction method of multipliers. <i>BioMedical Engineering OnLine</i> , 2017, 16, 53.	2.7	3
86	Fast Compressed Sensing MRI Based on Complex Double-Density Dual-Tree Discrete Wavelet Transform. <i>International Journal of Biomedical Imaging</i> , 2017, 2017, 1-13.	3.9	3
87	Three-dimensional self-gated cardiac MR imaging for the evaluation of myocardial infarction in mouse model on a 3T clinical MR system. <i>PLoS ONE</i> , 2017, 12, e0189286.	2.5	3
88	Rapid and continuous on-chip loading of trehalose into erythrocytes. <i>Biomedical Microdevices</i> , 2019, 21, 5.	2.8	3
89	Compressed Sensing MRI Reconstruction Using Generative Adversarial Network with Enhanced Antagonism. , 2019, , .		3
90	Increased Accuracy of Emotion Recognition in Individuals with Autism-Like Traits after Five Days of Magnetic Stimulations. <i>Neural Plasticity</i> , 2020, 2020, 1-10.	2.2	3

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91	Longitudinal resting-state functional connectivity and regional brain atrophy-based biomarkers of preclinical cognitive impairment in healthy old adults. <i>Aging Clinical and Experimental Research</i> , 2022, 34, 1303-1313.	2.9	3
92	Accelerating PS model-based dynamic cardiac MRI using compressed sensing. <i>Magnetic Resonance Imaging</i> , 2016, 34, 81-90.	1.8	2
93	A common variant of the NOTCH4 gene modulates functional connectivity of the occipital cortex and its relationship with schizotypal traits. <i>BMC Psychiatry</i> , 2020, 20, 363.	2.6	2
94	On-Chip Sonoporation-Based Flow Cytometric Magnetic Labeling. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3187-3196.	5.2	2
95	Neurostimulation: Neural and Psychological Predictors of Cognitive Enhancement and Impairment from Neurostimulation (Adv. Sci. 4/2020). <i>Advanced Science</i> , 2020, 7, 2070022.	11.2	2
96	Decline in executive function in patients with white matter hyperintensities from the static and dynamic perspectives of amplitude of low-frequency fluctuations. <i>Journal of Neuroscience Research</i> , 2021, 99, 2793-2803.	2.9	2
97	Altered Functional Connectivity Patterns of Parietal Subregions Contribute to Cognitive Dysfunction in Patients with White Matter Hyperintensities. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 659-669.	2.6	2
98	Design of a closed dual-slot antenna for spherical hepatic microwave ablation. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2022, 32, e23009.	1.2	2
99	Amplitude of Low-Frequency Fluctuation With Different Clinical Outcomes in Patients With Generalized Tonic-Clonic Seizures. <i>Frontiers in Psychiatry</i> , 2022, 13, 847366.	2.6	2
100	Nodal degree changes induced by electroconvulsive therapy in major depressive disorder: Evidence in two independent cohorts. <i>Journal of Affective Disorders</i> , 2022, 307, 46-52.	4.1	2
101	Alternate update of shifted extended keyholes (AUSEK): A new accelerating strategy for interventional MRI. <i>Magnetic Resonance Imaging</i> , 2017, 36, 112-120.	1.8	1
102	Dynamic MRI reconstruction using low-rank and 3D sparsifying transform with separation of background and dynamic components. , 2017, , .		1
103	Acute and Sustained Effects on Human Brain Induced by Different Modalities of Acupuncture: An fMRI Study. , 2019, , .		1
104	Visualization and Characterization of Atherosclerotic Plaques by Micro-MRI at 4.7 T In Vivo and 11.7 T Ex Vivo. <i>Applied Magnetic Resonance</i> , 2010, 39, 373-380.	1.2	0
105	Clinical 3.0T Magnetic Resonance Scanner to Be Used for Imaging of Mouse Atherosclerotic Lesions. <i>Applied Magnetic Resonance</i> , 2010, 39, 401-407.	1.2	0
106	High spatiotemporal resolution fMRI using partial separability model. <i>Bio-Medical Materials and Engineering</i> , 2015, 26, S1439-S1446.	0.6	0
107	Dynamic MRI reconstruction using nonlocal low-rank constraints based on the deformation corrected signal. , 2017, , .		0
108	An effective method for monitoring tissue temperature using low-field MRI system. <i>Technology and Health Care</i> , 2018, 26, 565-570.	1.2	0

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109	<i>In Vitro</i> and <i>In Vivo</i> Experimental Studies of A Novel MR-Guided Method for Bipolar Radiofrequency Liver Ablation. <i>IEEE Access</i> , 2018, 6, 21859-21866.	4.2	0
110	An Efficient Light-weight Network for Fast Reconstruction on MR Images. <i>Current Medical Imaging</i> , 2021, 17, 1374-1384.	0.8	0
111	A behavioral protocol to assess the relationship between three cognitive biases and future depression severity. <i>STAR Protocols</i> , 2021, 2, 100773.	1.2	0