Bensheng Qiu

List of Publications by Year
in descending order

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111	1,597	361413	414414
papers	citations	20 h-index	32 g-index

111	111	111	2176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructural properties of major white matter tracts in constant exotropia before and after strabismus surgery. British Journal of Ophthalmology, 2022, 106, 870-877.	3.9	6
2	Basal ganglia-orbitofrontal circuits are associated with prospective memory deficits in Wilsonâ€™s disease. Brain Imaging and Behavior, 2022, 16, 141-150.	2.1	5
3	Brain functional specialization and cooperation in Parkinsonâ€™s disease. Brain Imaging and Behavior, 2022, 16, 565-573.	2.1	5
4	IMIIN: An inter-modality information interaction network for 3D multi-modal breast tumor segmentation. Computerized Medical Imaging and Graphics, 2022, 95, 102021.	5.8	14
5	Functional and structural alterations in the painâ€related circuit in major depressive disorder induced by electroconvulsive therapy. Journal of Neuroscience Research, 2022, 100, 477-489.	2.9	4
6	Design of a closed dualâ€slot antenna for spherical hepatic microwave ablation. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e23009.	1.2	2
7	Longitudinal resting-state functional connectivity and regional brain atrophy-based biomarkers of preclinical cognitive impairment in healthy old adults. Aging Clinical and Experimental Research, 2022, 34, 1303-1313.	2.9	3
8	Super-Resolution Reconstruction of 3T-Like Images From 0.35T MRI Using a Hybrid Attention Residual Network. IEEE Access, 2022, 10, 32810-32821.	4.2	4
9	Attention module improves both performance and interpretability of fourâ€dimensional functional magnetic resonance imaging decoding neural network. Human Brain Mapping, 2022, 43, 2683-2692.	3.6	8
10	Optimized Magnetic Stimulation Induced Hypoconnectivity Within the Executive Control Network Yields Cognition Improvements in Alzheimerâ€™s Patients. Frontiers in Aging Neuroscience, 2022, 14, 847223.	3.4	4
11	Amplitude of Low-Frequency Fluctuation With Different Clinical Outcomes in Patients With Generalized Tonicâ€“Clonic Seizures. Frontiers in Psychiatry, 2022, 13, 847366.	2.6	2
12	Intermittent theta burst stimulation improved visual-spatial working memory in treatment-resistant schizophrenia: A pilot study. Journal of Psychiatric Research, 2022, 149, 44-53.	3.1	7
13	Nodal degree changes induced by electroconvulsive therapy in major depressive disorder: Evidence in two independent cohorts. Journal of Affective Disorders, 2022, 307, 46-52.	4.1	2
14	LMA-Net: A lesion morphology aware network for medical image segmentation towards breast tumors. Computers in Biology and Medicine, 2022, 147, 105685.	7.0	7
15	White matter hyperintensities induce distal deficits in the connected fibers. Human Brain Mapping, 2021, 42, 1910-1919.	3.6	15
16	An Efficient Light-weight Network for Fast Reconstruction on MR Images. Current Medical Imaging, 2021, 17, 1374-1384.	0.8	0
17	Outbreak of COVID-19 altered the relationship between memory bias and depressive degree in nonclinical depression. IScience, 2021, 24, 102081.	4.1	6
18	Advances in Gold Nanoparticles-Based Colorimetric Aptasensors for the Detection of Antibiotics: An Overview of the Past Decade. Nanomaterials, 2021, 11, 840.	4.1	59

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19	Thalamocortical Functional Connectivity in Patients With White Matter Hyperintensities. Frontiers in Aging Neuroscience, 2021, 13, 632237.	3.4	6
20	On-Chip Replication of Extremely Early-Stage Tumor Behavior. ACS Applied Materials & Interfaces, 2021, 13, 19768-19777.	8.0	17
21	White matter network disorder in mesial temporal epilepsy: An fMRI study. Epilepsy Research, 2021, 172, 106590.	1.6	7
22	Preâ€supplementary motor network connectivity and clinical outcome of magnetic stimulation in obsessiveâ€“compulsive disorder. Human Brain Mapping, 2021, 42, 3833-3844.	3.6	9
23	Role of receptor tyrosine kinases mediated signal transduction pathways in tumor growth and angiogenesisâ€”New insight and futuristic vision. International Journal of Biological Macromolecules, 2021, 180, 739-752.	7.5	39
24	On-Chip Construction of Liver Lobules with Self-Assembled Perfusable Hepatic Sinusoid Networks. ACS Applied Materials & Interfaces, 2021, 13, 32640-32652.	8.0	24
25	Modeling nonalcoholic fatty liver disease on a liver lobule chip with dual blood supply. Acta Biomaterialia, 2021, 134, 228-239.	8.3	30
26	Common variants of the autism-associated CNTNAP2 gene contribute to the modulatory effect of social function mediated by temporal cortex. Behavioural Brain Research, 2021, 409, 113319.	2.2	4
27	An iron oxide nanoparticle-based transdermal nanoplatform for dual-modal imaging-guided chemo-photothermal therapy of superficial tumors. Acta Biomaterialia, 2021, 130, 473-484.	8.3	15
28	Associative memory improvement after 5Âdays of magnetic stimulation: A replication experiment with active controls. Brain Research, 2021, 1765, 147510.	2.2	5
29	A behavioral protocol to assess the relationship between three cognitive biases and future depression severity. STAR Protocols, 2021, 2, 100773.	1.2	0
30	Decline in executive function in patients with white matter hyperintensities from the static and dynamic perspectives of amplitude of lowâ€frequency fluctuations. Journal of Neuroscience Research, 2021, 99, 2793-2803.	2.9	2
31	Altered Functional Connectivity Patterns of Parietal Subregions Contribute to Cognitive Dysfunction in Patients with White Matter Hyperintensities. Journal of Alzheimer's Disease, 2021, 84, 659-669.	2.6	2
32	High Gamma and Beta Temporal Interference Stimulation in the Human Motor Cortex Improves Motor Functions. Frontiers in Neuroscience, 2021, 15, 800436.	2.8	26
33	Acupuncture Treatment Decreased Temporal Variability of Dynamic Functional Connectivity in Chronic Tinnitus. Frontiers in Neuroscience, 2021, 15, 737993.	2.8	5
34	Functional magnetic resonance imaging in a single schizophrenia patient with voluntary control over auditory verbal hallucinations. Schizophrenia Research, 2020, 215, 465-466.	2.0	4
35	On-chip label-free determination of cell survival rate. Biosensors and Bioelectronics, 2020, 148, 111820.	10.1	10
36	Dynamic Functional Connectivity Reveals Abnormal Variability and Hyperâ€connected Pattern in Autism Spectrum Disorder. Autism Research, 2020, 13, 230-243.	3.8	54

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37	Imatinib revives the therapeutic potential of metformin on ewing sarcoma by attenuating tumor hypoxic response and inhibiting convergent signaling pathways. Cancer Letters, 2020, 469, 195-206.	7.2	13
38	Intermittent theta burst stimulation (iTBS) adjustment effects of schizophrenia: Results from an exploratory outcome of a randomized double-blind controlled study. Schizophrenia Research, 2020, 216, 550-553.	2.0	18
39	Strengthened theta-burst transcranial magnetic stimulation as an adjunctive treatment for Alzheimerâ€™s disease: An open-label pilot study. Brain Stimulation, 2020, 13, 484-486.	1.6	20
40	Decoding and mapping task states of the human brain via deep learning. Human Brain Mapping, 2020, 41, 1505-1519.	3.6	61
41	Cognitive function and cerebellar morphometric changes relate to abnormal intra-cerebellar and cerebro-cerebellum functional connectivity in old adults. Experimental Gerontology, 2020, 140, 111060.	2.8	12
42	A common variant of the NOTCH4 gene modulates functional connectivity of the occipital cortex and its relationship with schizotypal traits. BMC Psychiatry, 2020, 20, 363.	2.6	2
43	Rationally designed rapamycin-encapsulated ZIF-8 nanosystem for overcoming chemotherapy resistance. Biomaterials, 2020, 258, 120308.	11.4	74
44	On-chip analysis of magnetically labeled cells with integrated cell sorting and counting techniques. Talanta, 2020, 220, 121351.	5.5	6
45	Increased Accuracy of Emotion Recognition in Individuals with Autism-Like Traits after Five Days of Magnetic Stimulations. Neural Plasticity, 2020, 2020, 1-10.	2.2	3
46	Near-Infrared-Controlled Nanoplatform Exploiting Photothermal Promotion of Peroxidase-like and OXD-like Activities for Potent Antibacterial and Anti-biofilm Therapies. ACS Applied Materials & Interfaces, 2020, 12, 50260-50274.	8.0	92
47	A Cross-Domain Metal Trace Restoring Network for Reducing X-Ray CT Metal Artifacts. IEEE Transactions on Medical Imaging, 2020, 39, 3831-3842.	8.9	16
48	A Transparent Vessel-on-a-Chip Device for Hemodynamic Analysis and Early Diagnosis of Intracranial Aneurysms by CFD and PC-MRI. ACS Sensors, 2020, 5, 4064-4071.	7.8	4
49	On-Chip Sonoporation-Based Flow Cytometric Magnetic Labeling. ACS Biomaterials Science and Engineering, 2020, 6, 3187-3196.	5.2	2
50	An irregular metal trace inpainting network for xâ€ray CT metal artifact reduction. Medical Physics, 2020, 47, 4087-4100.	3.0	18
51	Abnormal fear circuits activities correlated to physical symptoms in somatic anxiety patients. Journal of Affective Disorders, 2020, 274, 54-58.	4.1	6
52	Functional MRI Investigation of Ultrasound Stimulation at ST 36. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-7.	1.2	4
53	Novel ultrasmall multifunctional nanodots for dual-modal MR/NIR-II imaging-guided photothermal therapy. Biomaterials, 2020, 256, 120219.	11.4	38
54	Neurostimulation: Neural and Psychological Predictors of Cognitive Enhancement and Impairment from Neurostimulation (Adv. Sci. 4/2020). Advanced Science, 2020, 7, 2070022.	11.2	2

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55	A hybrid convolutional neural network for superâ€resolution reconstruction of MR images. Medical Physics, 2020, 47, 3013-3022.	3.0	15
56	Artificial Blood Vessel Frameworks from 3D Printing-Based Super-Assembly as In Vitro Models for Early Diagnosis of Intracranial Aneurysms. Chemistry of Materials, 2020, 32, 3188-3198.	6.7	8
57	Atypical Resting-State Functional Connectivity Dynamics Correlate With Early Cognitive Dysfunction in HIV Infection. Frontiers in Neurology, 2020, 11, 606592.	2.4	4
58	A single-cell identification and capture chip for automatically and rapidly determining hydraulic permeability of cells. Analytical and Bioanalytical Chemistry, 2020, 412, 4537-4548.	3.7	5
59	White matter hyperintensities associated with progression of cerebral small vessel disease: a 7-year Chinese urban community study. Aging, 2020, 12, 8506-8522.	3.1	26
60	Abnormal intra-network architecture in extra-striate cortices in amblyopia: a resting state fMRI study. Eye and Vision (London, England), 2019, 6, 20.	3.0	7
61	Cortical Alterations by the Abnormal Visual Experience beyond the Critical Period: A Resting-state fMRI Study on Constant Exotropia. Current Eye Research, 2019, 44, 1386-1392.	1.5	16
62	Dense networks with relative location awareness for thorax disease identification. Medical Physics, 2019, 46, 2064-2073.	3.0	13
63	Structural and functional abnormalities of vision-related brain regions in cirrhotic patients: a MRI study. Neuroradiology, 2019, 61, 695-702.	2.2	7
64	Rapid and continuous on-chip loading of trehalose into erythrocytes. Biomedical Microdevices, 2019, 21, 5.	2.8	3
65	Acute and Sustained Effects on Human Brain Induced by Different Modalities of Acupuncture: An fMRI Study. , 2019, , .		1
66	Compressed Sensing MRI Reconstruction Using Generative Adversarial Network with Enhanced Antagonism. , 2019, , .		3
67	In vivo microscopic diffusional kurtosis imaging with symmetrized double diffusion encoding EPI. Magnetic Resonance in Medicine, 2019, 81, 533-541.	3.0	10
68	3D selfâ€gated cardiac cine imaging at 3 Tesla using stackâ€ofâ€stars bSSFP with tiny golden angles and compressed sensing. Magnetic Resonance in Medicine, 2019, 81, 3234-3244.	3.0	6
69	Preliminary evaluation of accelerated microscopic diffusional kurtosis imaging (Î¼DKI) in a rodent model of epilepsy. Magnetic Resonance Imaging, 2019, 56, 90-95.	1.8	5
70	An effective method for monitoring tissue temperature using low-field MRI system. Technology and Health Care, 2018, 26, 565-570.	1.2	0
71	<italic>In Vitro</italic> and <italic>In Vivo</italic> Experimental Studies of A Novel MR-Guided Method for Bipolar Radiofrequency Liver Ablation. IEEE Access, 2018, 6, 21859-21866.	4.2	0
72	A pilot study of short T2* measurements with ultrashort echo time imaging at 0.35ÂT. BioMedical Engineering OnLine, 2018, 17, 70.	2.7	4

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73	Altered cerebro-cerebellum resting-state functional connectivity in HIV-infected male patients. Journal of NeuroVirology, 2018, 24, 587-596.	2.1	15
74	Voxel-based automated detection of focal cortical dysplasia lesions using diffusion tensor imaging and T2-weighted MRI data. Epilepsy and Behavior, 2018, 84, 127-134.	1.7	11
75	Peptide-modified vemurafenib-loaded liposomes for targeted inhibition of melanoma via the skin. Biomaterials, 2018, 182, 1-12.	11.4	54
76	Visual rehabilitation training alters attentional networks in hemianopia: An fMRI study. Clinical Neurophysiology, 2018, 129, 1832-1841.	1.5	6
77	A real-time wireless wearable electroencephalography system based on Support Vector Machine for encephalopathy daily monitoring. International Journal of Distributed Sensor Networks, 2018, 14, 155014771877956.	2.2	9
78	Quantitative MR thermometry based on phase-drift correction PRF shift method at 0.35ÂT. BioMedical Engineering OnLine, 2018, 17, 39.	2.7	8
79	Ultraâ€small Albumin Templated Gd/Ru Composite Nanodots for In Vivo Dual modal MR/Thermal Imaging Guided Photothermal Therapy. Advanced Healthcare Materials, 2018, 7, 1800322.	7.6	25
80	Alternate update of shifted extended keyholes (AUSEK): A new accelerating strategy for interventional MRI. Magnetic Resonance Imaging, 2017, 36, 112-120.	1.8	1
81	The attention network changes in breast cancer patients receiving neoadjuvant chemotherapy: Evidence from an arterial spin labeling perfusion study. Scientific Reports, 2017, 7, 42684.	3.3	22
82	Unloading of cryoprotectants from cryoprotectant-loaded cells on a microfluidic platform. Biomedical Microdevices, 2017, 19, 15.	2.8	8
83	A multistage-dialysis microdevice for extraction of cryoprotectants. Biomedical Microdevices, 2017, 19, 30.	2.8	6
84	Progress toward quantitative in vivo chemical exchange saturation transfer (CEST) MRI. Israel Journal of Chemistry, 2017, 57, 809-824.	2.3	12
85	Fast sparsity adaptive multipath matching pursuit for compressed sensing problems. Journal of Electronic Imaging, 2017, 26, 033007.	0.9	6
86	The Working Memory and Dorsolateral Prefrontal-Hippocampal Functional Connectivity Changes in Long-Term Survival Breast Cancer Patients Treated with Tamoxifen. International Journal of Neuropsychopharmacology, 2017, 20, 374-382.	2.1	32
87	Motor-related brain abnormalities in HIV-infected patients: a multimodal MRI study. Neuroradiology, 2017, 59, 1133-1142.	2.2	22
88	Gaussian diffusion sinogram inpainting for X-ray CT metal artifact reduction. BioMedical Engineering OnLine, 2017, 16, 1.	2.7	96
89	Compressed sensing MRI via fast linearized preconditioned alternating direction method of multipliers. BioMedical Engineering OnLine, 2017, 16, 53.	2.7	3
90	Dynamic MRI reconstruction using nonlocal low-rank constraints based on the deformation corrected signal. , 2017, , .		0

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91	The Research of Clinical Decision Support System Based on Three-Layer Knowledge Base Model. Journal of Healthcare Engineering, 2017, 2017, 1-8.	1.9	26
92	Fast Compressed Sensing MRI Based on Complex Double-Density Dual-Tree Discrete Wavelet Transform. International Journal of Biomedical Imaging, 2017, 2017, 1-13.	3.9	3
93	Three-dimensional self-gated cardiac MR imaging for the evaluation of myocardial infarction in mouse model on a 3T clinical MR system. PLoS ONE, 2017, 12, e0189286.	2.5	3
94	Dynamic MRI reconstruction using low-rank and 3D sparsifying transform with separation of background and dynamic components. , 2017, , .		1
95	Functional Connectivity Modulation by Acupuncture in Patients with Bellâ€™s Palsy. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-10.	1.2	12
96	Long-term cognitive impairment of breast cancer patients after chemotherapy: A functional MRI study. European Journal of Radiology, 2016, 85, 1053-1057.	2.6	47
97	Executive Function Alternations of Breast Cancer Patients After Chemotherapy. Academic Radiology, 2016, 23, 1264-1270.	2.5	29
98	Aberrant structural and functional connectivity in the salience network and central executive network circuit in schizophrenia. Neuroscience Letters, 2016, 627, 178-184.	2.1	26
99	Functional connectivity change of brain default mode network in breast cancer patients after chemotherapy. Neuroradiology, 2016, 58, 921-928.	2.2	46
100	Accelerating PS model-based dynamic cardiac MRI using compressed sensing. Magnetic Resonance Imaging, 2016, 34, 81-90.	1.8	2
101	High spatiotemporal resolution fMRI using partial separability model. Bio-Medical Materials and Engineering, 2015, 26, S1439-S1446.	0.6	0
102	Stem Cell Labeling with Superparamagnetic Iron Oxide Nanoparticles Using Focused Ultrasound and Magnetic Resonance Imaging Tracking. Journal of Nanoscience and Nanotechnology, 2015, 15, 2605-2612.	0.9	15
103	MRI tracking of bone marrow mesenchymal stem cells labeled with ultra-small superparamagnetic iron oxide nanoparticles in a rat model of temporal lobe epilepsy. Neuroscience Letters, 2015, 606, 30-35.	2.1	23
104	Hypoxia inducible factor-1Î± expression is associated with hippocampal apoptosis during epileptogenesis. Brain Research, 2014, 1590, 20-30.	2.2	24
105	Intravascular 3.0ÂT MRI Using an Imaging-Guidewire: a Feasibility Study in Swine. Applied Magnetic Resonance, 2011, 40, 105-112.	1.2	4
106	Visualization and Characterization of Atherosclerotic Plaques by Micro-MRI at 4.7 T In Vivo and 11.7 T Ex Vivo. Applied Magnetic Resonance, 2010, 39, 373-380.	1.2	0
107	Clinical 3.0ÂT Magnetic Resonance Scanner to Be Used for Imaging of Mouse Atherosclerotic Lesions. Applied Magnetic Resonance, 2010, 39, 401-407.	1.2	0
108	Optimization of magnetosonoporation for stem cell labeling. NMR in Biomedicine, 2010, 23, 480-484.	2.8	14

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109	Magnetosonoporation: Instant magnetic labeling of stem cells. Magnetic Resonance in Medicine, 2010, 63, 1437-1441.	3.0	23
110	Dual Transfer of GFP Gene and MGd into Stem-Progenitor Cells. Academic Radiology, 2010, 17, 547-552.	2.5	6
111	Molecular MRI of hematopoietic stem-progenitor cells: in vivo monitoring of gene therapy and atherosclerosis. Nature Clinical Practice Cardiovascular Medicine, 2008, 5, 396-404.	3.3	21