Renhua Wu

List of Publications by Year
in descending order

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32 papers	659 citations	623734 14 h-index	580821 25 g-index
33 all docs	33 docs citations	33 times ranked	747 citing authors

#	Article	IF	Citations
1	Noise-Immune Extreme Ensemble Learning for Early Diagnosis of Neuropsychiatric Systemic Lupus Erythematosus. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3495-3506.	6.3	12
2	Combined Application of Quantitative Susceptibility Mapping and Diffusion Kurtosis Imaging Techniques to Investigate the Effect of Iron Deposition on Microstructural Changes in the Brain in Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2022, 14, 792778.	3.4	3
3	Using Local Anesthesia for Burr Hole Surgery of Chronic Subdural Hematoma Reduces Postoperative Complications, Length of Stay, and Hospitalization Cost: A Retrospective Cohort Study From a Single Center. Frontiers in Surgery, 2022, 9, 783885.	1.4	3
4	Glutamate Chemical Exchange Saturation Transfer (GluCEST) Magnetic Resonance Imaging of Rat Brain With Acute Carbon Monoxide Poisoning. Frontiers in Neurology, 2022, 13, .	2.4	1
5	Amide signal intensities may be reduced in the motor cortex and the corticospinal tract of ALS patients. European Radiology, 2021, 31, 1401-1409.	4.5	4
6	pH-Responsive Multifunctional Theranostic Rapamycin-Loaded Nanoparticles for Imaging and Treatment of Acute Ischemic Stroke. ACS Applied Materials & Interfaces, 2021, 13, 56909-56922.	8.0	28
7	Early Life Stress Increases Brain Glutamate and Induces Neurobehavioral Manifestations in Rats. ACS Chemical Neuroscience, 2020, 11, 4169-4178.	3.5	20
8	Maternal separation with early weaning impairs neuron-glia integrity: non-invasive evaluation and substructure demonstration. Scientific Reports, 2020, 10, 19440.	3.3	8
9	Glutamate Chemical Exchange Saturation Transfer (GluCEST) Magnetic Resonance Imaging in Pre-clinical and Clinical Applications for Encephalitis. Frontiers in Neuroscience, 2020, 14, 750.	2.8	10
10	Mapping the Alterations of Glutamate Using Glu-Weighted CEST MRI in a Rat Model of Fatigue. Frontiers in Neurology, 2020, 11, 589128.	2.4	3
11	Broad Learning Enhanced 1H-MRS for Early Diagnosis of Neuropsychiatric Systemic Lupus Erythematosus. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-13.	1.3	13
12	Nanomedicine Particles Associated With Chemical Exchange Saturation Transfer Contrast Agents in Biomedical Applications. Frontiers in Chemistry, 2020, 8, 326.	3.6	3
13	Glymphatic System Visualized by Chemical-Exchange-Saturation-Transfer Magnetic Resonance Imaging. ACS Chemical Neuroscience, 2020, 11, 1978-1984.	3.5	14
14	An Amyloid-Î² Targeting Chemical Exchange Saturation Transfer Probe for In Vivo Detection of Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2019, 10, 3859-3867.	3.5	12
15	Novel nanomedicine with a chemical-exchange saturation transfer effect for breast cancer treatment in vivo. Journal of Nanobiotechnology, 2019, 17, 123.	9.1	15
16	Mapping the Changes of Glutamate Using Glutamate Chemical Exchange Saturation Transfer (GluCEST) Technique in a Traumatic Brain Injury Model: A Longitudinal Pilot Study. ACS Chemical Neuroscience, 2019, 10, 649-657.	3.5	26
17	APT Weighted MRI as an Effective Imaging Protocol to Predict Clinical Outcome After Acute Ischemic Stroke. Frontiers in Neurology, 2018, 9, 901.	2.4	39
18	Imaging of nuclear Overhauser enhancement at 7 and 3ÂT. NMR in Biomedicine, 2017, 30, e3735.	2.8	16

#	Article	IF	Citations
19	Nuclear Overhauser Enhancement-Mediated Magnetization Transfer Imaging in Glioma with Different Progression at 7 T. ACS Chemical Neuroscience, 2017, 8, 60-66.	3.5	10
20	Assessment of endothelial shear stress in patients with mild or intermediate coronary stenoses using coronary computed tomography angiography: comparison with invasive coronary angiography. International Journal of Cardiovascular Imaging, 2017, 33, 1101-1110.	1.5	8
21	Extracellular pH is a biomarker enabling detection of breast cancer and liver cancer using CEST MRI. Oncotarget, 2017, 8, 45759-45767.	1.8	79
22	Short Exon Detection via Wavelet Transform Modulus Maxima. PLoS ONE, 2016, 11, e0163088.	2.5	8
23	A Potential Magnetic Resonance Imaging Technique Based on Chemical Exchange Saturation Transfer for In Vivo Î³-Aminobutyric Acid Imaging. PLoS ONE, 2016, 11, e0163765.	2.5	21
24	Differential neurometabolite alterations in brains of medicationâ€free individuals with bipolar disorder and those with unipolar depression: a twoâ€dimensional proton magnetic resonance spectroscopy study. Bipolar Disorders, 2016, 18, 583-590.	1.9	57
25	The Neurochemical and Microstructural Changes in the Brain of Systemic Lupus Erythematosus Patients: A Multimodal MRI Study. Scientific Reports, 2016, 6, 19026.	3.3	26
26	A method for accurate pH mapping with chemical exchange saturation transfer (CEST) MRI. Contrast Media and Molecular Imaging, 2016, 11, 195-202.	0.8	35
27	Fast simulation and optimization of pulse-train chemical exchange saturation transfer (CEST) imaging. Physics in Medicine and Biology, 2015, 60, 4719-4730.	3.0	18
28	Quantitative chemical exchange saturation transfer (qCEST) MRI â€“ omega plot analysis of RFâ€spilloverâ€corrected inverse CEST ratio asymmetry for simultaneous determination of labile proton ratio and exchange rate. NMR in Biomedicine, 2015, 28, 376-383.	2.8	48
29	Quantitative description of radiofrequency (RF) powerâ€based ratiometric chemical exchange saturation transfer (CEST) pH imaging. NMR in Biomedicine, 2015, 28, 555-565.	2.8	53
30	Magnetization Transfer Prepared Gradient Echo MRI for CEST Imaging. PLoS ONE, 2014, 9, e112219.	2.5	21
31	Improved measurement of labile proton concentrationâ€weighted chemical exchange rate (k_{ws}) with experimental factorâ€compensated and T₁â€normalized quantitative chemical exchange saturation transfer (CEST) MRI. Contrast Media and Molecular Imaging, 2012, 7, 384-389.	0.8	44
32	Early Life Stress Increases Brain Glutamate and Induces Neurobehavioral Manifestations in Rats. SSRN Electronic Journal, 0, , .	0.4	1