# Yasheng Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2937705/publications.pdf

Version: 2024-02-01

| 36 | 797 | 567281 15 | 526287 27 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 36 | 36 | 36 | 1094 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cerebral Oxygen Metabolic Stress is Increased in Children with Sickle Cell Anemia Compared to Anemic Controls. American Journal of Hematology, 2022, , . | 4.1 | 10 |
| 2 | Oxygen Metabolic Stress and White Matter Injury in Patients With Cerebral Small Vessel Disease. Stroke, 2022, 53, 1570-1579. | 2.0 | 19 |
| 3 | Silent Infarcts, White Matter Integrity, and Oxygen Metabolic Stress in Young Adults With and Without Sickle Cell Trait. Stroke, 2022, 53, 2887-2895. | 2.0 | 5 |
| 4 | Bulk volume susceptibility difference between deoxyhemoglobin and oxyhemoglobin for HbA and HbS: A comparative study. Magnetic Resonance in Medicine, 2021, 85, 3383-3393. | 3.0 | 17 |
| 5 | Hemispheric CSF volume ratio quantifies progression and severity of cerebral edema after acute hemispheric stroke. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2907-2915. | 4.3 | 14 |
| 6 | The Stroke Neuro-Imaging Phenotype Repository: An Open Data Science Platform for Stroke Research. Frontiers in Neuroinformatics, 2021, 15, 597708. | 2.5 | 9 |
| 7 | Cerebral Oxygen Metabolic Stress, Microstructural Injury, and Infarction in Adults With Sickle Cell Disease. Neurology, 2021, 97, e902-e912. | 1.1 | 14 |
| 8 | Reduction in Cerebrospinal Fluid Volume as an Early Quantitative Biomarker of Cerebral Edema After Ischemic Stroke. Stroke, 2020, 51, 462-467. | 2.0 | 33 |
| 9 | Functional Connectivity Decreases with Metabolic Stress in Sickle Cell Disease. Annals of Neurology, 2020, 88, 995-1008. | 5.3 | 11 |
| 10 | Lesion evolution and neurodegeneration in RVCL-S. Neurology, 2020, 95, e1918-e1931. | 1.1 | 13 |
| 11 | Hydroxyurea reduces cerebral metabolic stress in patients with sickle cell anemia. Blood, 2019, 133, 2436-2444. | 1.4 | 43 |
| 12 | Quantitative MRI of Diffuse Liver Disease: Current Applications and Future Directions. Radiology, 2019, 290, 23-30. | 7.3 | 26 |
| 13 | Increased Cerebral Metabolic Stress Is Associated with Diminished Functional Connectivity in Pediatric Sickle Cell Anemia. Blood, 2019, 134, 989-989. | 1.4 | 0 |
| 14 | Regional oxygen extraction predicts border zone vulnerability to stroke in sickle cell disease. Neurology, 2018, 90, e1134-e1142. | 1.1 | 81 |
| 15 | Red cell exchange transfusions lower cerebral blood flow and oxygen extraction fraction in pediatric sickle cell anemia. Blood, 2018, 131, 1012-1021. | 1.4 | 68 |
| 16 | Application of Machine Learning to Automated Analysis of Cerebral Edema in Large Cohorts of Ischemic Stroke Patients. Frontiers in Neurology, 2018, 9, 687. | 2.4 | 34 |
| 17 | Attenuation Correction of PET/MR Imaging. Magnetic Resonance Imaging Clinics of North America, 2017, 25, 245-255. | 1.1 | 75 |
| 18 | Large-Vessel Vasculopathy in Children With Sickle Cell Disease: A Magnetic Resonance Imaging Study of Infarct Topography and Focal Atrophy. Pediatric Neurology, 2017, 69, 49-57. | 2.1 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Automated quantification of cerebral edema following hemispheric infarction: Application of a machine-learning algorithm to evaluate CSF shifts on serial head CTs. NeuroImage: Clinical, 2016, 12, 673-680. | 2.7 | 49 |
| 20 | Reperfusion Beyond 6 Hours Reduces Infarct Probability in Moderately Ischemic Brain Tissue. Stroke, 2016, 47, 99-105. | 2.0 | 11 |
| 21 | Abstract WMP20: Validation of an Efficient Machine-learning Approach to Quantify CSF Volume Changes Using Multicenter CT Scans. Stroke, 2016, 47, . | 2.0 | 0 |
| 22 | High-Pressure Transvenous Perfusion of the Upper Extremity in Human Muscular Dystrophy: A Safety Study with 0.9% Saline. Human Gene Therapy, 2015, 26, 614-621. | 2.7 | 16 |
| 23 | Probabilistic Air Segmentation and Sparse Regression Estimated Pseudo CT for PET/MR Attenuation Correction. Radiology, 2015, 275, 562-569. | 7.3 | 27 |
| 24 | Defining the Ischemic Penumbra Using Magnetic Resonance Oxygen Metabolic Index. Stroke, 2015, 46, 982-988. | 2.0 | 49 |
| 25 | Abstract T P45: Automated CSF Segmentation to Quantify Cerebral Edema Following Large Hemispheric Ischemic Stroke. Stroke, 2015, 46, . | 2.0 | 0 |
| 26 | MRI based attenuation correction for PET/MRI via MRF segmentation and sparse regression estimated CT. , 2014, , . | | 5 |
| 27 | Tailor the longitudinal anaysis for nih longitudinal normal brain developmental study. , 2014, 2014, 1206-1209. | | 1 |
| 28 | More insights into early brain development through statistical analyses of eigen-structural elements of diffusion tensor imaging using multivariate adaptive regression splines. Brain Structure and Function, 2014, 219, 551-569. | 2.3 | 5 |
| 29 | Imaging Oxygen Metabolism in Acute Stroke Using MRI. Current Radiology Reports, 2014, 2, 39. | 1.4 | 22 |
| 30 | A Generative Model for Resolution Enhancement of Diffusion MRI Data. Lecture Notes in Computer Science, 2013, 16, 527-534. | 1.3 | 4 |
| 31 | Noninvasive Measurements of Cerebral Blood Flow, Oxygen Extraction Fraction, and Oxygen Metabolic Index in Human with Inhalation of Air and Carbogen using Magnetic Resonance Imaging. Translational Stroke Research, 2012, 3, 246-254. | 4.2 | 18 |
| 32 | Longitudinal regression analysis of spatialâ€“temporal growth patterns of geometrical diffusion measures in early postnatal brain development with diffusion tensor imaging. NeuroImage, 2011, 58, 993-1005. | 4.2 | 17 |
| 33 | Simulation of Brain Mass Effect with an Arbitrary Lagrangian and Eulerian FEM. Lecture Notes in Computer Science, 2010, 13, 274-281. | 1.3 | 1 |
| 34 | Evaluation of MR-Derived Cerebral Oxygen Metabolic Index in Experimental Hyperoxic Hypercapnia, Hypoxia, and Ischemia. Stroke, 2009, 40, 2165-2172. | 2.0 | 59 |
| 35 | Mapping Growth Patterns and Genetic Influences on Early Brain Development in Twins. Lecture Notes in Computer Science, 2009, 12, 232-239. | 1.3 | 4 |
| 36 | Temporal evolution of cerebral metabolic rate of oxygen utilization using MRI in a middle cerebral artery occlusion stroke. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S400-S400. | 4.3 | 0 |