

## Guangming Zhu

Physical Science Research Scientist, Rad/Neuroimaging and Neurointervention

### Publications

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#### PUBLICATIONS

- **Use of Gradient Boosting Machine Learning to Predict Patient Outcome in Acute Ischemic Stroke on the Basis of Imaging, Demographic, and Clinical Information.** *AJR. American journal of roentgenology*  
Xie, Y., Jiang, B., Gong, E., Li, Y., Zhu, G., Michel, P., Wintermark, M., Zaharchuk, G.  
2018; 1–7
- **Optimal Delay Time of CT Perfusion for Predicting Cerebral Parenchymal Hematoma After Intra-Arterial tPA Treatment** *FRONTIERS IN NEUROLOGY*  
Wu, B., Liu, N., Wintermark, M., Parsons, M. W., Chen, H., Lin, L., Zhou, S., Hui, G., Zhang, Y., Hui, J., Li, Y., Su, Z., Wu, et al  
2018; 9
- **Reduced Intravoxel Incoherent Motion Microvascular Perfusion Predicts Delayed Cerebral Ischemia and Vasospasm After Aneurysm Rupture.** *Stroke*  
Heit, J. J., Wintermark, M. n., Martin, B. W., Zhu, G. n., Marks, M. P., Zaharchuk, G. n., Dodd, R. L., Do, H. M., Steinberg, G. K., Lansberg, M. G., Albers, G. W., Federau, C. n.  
2018
- **Assessing the Relationship Between American Heart Association Atherosclerotic Cardiovascular Disease Risk Score and Coronary Artery Imaging Findings.** *Journal of computer assisted tomography*  
Li, Y. n., Zhu, G. n., Ding, V. n., Jiang, B. n., Ball, R. L., Ahuja, N. n., Rodriguez, F. n., Fleischmann, D. n., Desai, M. n., Saloner, D. n., Saba, L. n., Wintermark, M. n., Hom, et al  
2018
- **Assessing the Relationship between Atherosclerotic Cardiovascular Disease Risk Score and Carotid Artery Imaging Findings.** *Journal of neuroimaging : official journal of the American Society of Neuroimaging*  
Li, Y. n., Zhu, G. n., Ding, V. n., Huang, Y. n., Jiang, B. n., Ball, R. L., Rodriguez, F. n., Fleischmann, D. n., Desai, M. n., Saloner, D. n., Saba, L. n., Hom, J. n., Wintermark, et al  
2018
- **CT Permeability Imaging Predicts Clinical Outcomes in Acute Ischemic Stroke Patients Treated with Intra-arterial Thrombolytic Therapy** *MOLECULAR NEUROBIOLOGY*  
Liu, N., Chen, H., Wu, B., Li, Y., Wintermark, M., Jackson, A., Hu, J., Zhang, Y., Su, Z., Zhu, G., Zhang, W.  
2017; 54 (4): 2539-2546
- **Mismatch of Low Perfusion and High Permeability Predicts Hemorrhagic Transformation Region in Acute Ischemic Stroke Patients Treated with Intra-arterial Thrombolysis.** *Scientific reports*  
Chen, H., Liu, N., Li, Y., Wintermark, M., Jackson, A., Wu, B., Su, Z., Chen, F., Hu, J., Zhang, Y., Zhu, G.  
2016; 6: 27950-?
- **Delay-sensitive and delay-insensitive deconvolution perfusion-CT: similar ischemic core and penumbra volumes if appropriate threshold selected for each** *NEURORADIOLOGY*  
Man, F., Patrie, J. T., Xin, W., Zhu, G., Hou, Q., Michel, P., Eskandari, A., Jovin, T., Xian, J., Wang, Z., Wintermark, M.  
2015; 57 (6): 573-581
- **Using standard first-pass perfusion computed tomographic data to evaluate collateral flow in acute ischemic stroke.** *Stroke; a journal of cerebral circulation*  
Chen, H., Wu, B., Liu, N., Wintermark, M., Su, Z., Li, Y., Hu, J., Zhang, Y., Zhang, W., Zhu, G.  
2015; 46 (4): 961-967
- **Using Standard First-Pass Perfusion Computed Tomographic Data to Evaluate Collateral Flow in Acute Ischemic Stroke** *STROKE*  
Chen, H., Wu, B., Liu, N., Wintermark, M., Su, Z., Li, Y., Hu, J., Zhang, Y., Zhang, W., Zhu, G.

2015; 46 (4): 961-?

- **Permeability Imaging as a Biomarker of Leptomeningeal Collateral Flow in Patients with Intracranial Arterial Stenosis** *CELL BIOCHEMISTRY AND BIOPHYSICS*

Chen, H., Wu, B., Zhu, G., Wintermark, M., Wu, X., Su, Z., Xu, X., Tian, C., Ma, L., Zhang, W., Lou, X.

2015; 71 (3): 1273-1279

- **Arteriopathy Diagnosis in Childhood Arterial Ischemic Stroke Results of the Vascular Effects of Infection in Pediatric Stroke Study** *STROKE*

Wintermark, M., Hills, N. K., deVeber, G. A., Barkovich, A. J., Elkind, M. S., Sear, K., Zhu, G., Leiva-Salinas, C., Hou, Q., Dowling, M. M., Bernard, T. J., Friedman, N. R., Ichord, et al

2014; 45 (12): 3597-?