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Publications

PUBLICATIONS

- **Brain tumor segmentation using deep learning: high performance with minimized MRI data.** *Frontiers in radiology*
Huang, J., Yagmurlu, B., Molleti, P., Lee, R., VanderPloeg, A., Noor, H., Bareja, R., Li, Y., Iv, M., Itakura, H.
2025; 5: 1616293
- **A 3D lung lesion variational autoencoder.** *Cell reports methods*
Li, Y., Sadée, C. Y., Carrillo-Perez, F., Selby, H. M., Thieme, A. H., Gevaert, O.
2024: 100695
- **Machine-learning-based head impact subtyping based on the spectral densities of the measurable head kinematics.** *Journal of sport and health science*
Zhan, X., Li, Y., Liu, Y., Cecchi, N. J., Raymond, S. J., Zhou, Z., Alizadeh, H. V., Ruan, J., Barbat, S., Tiernan, S., Gevaert, O., Zeineh, M. M., Grant, et al
2023
- **Piecewise Multivariate Linearity Between Kinematic Features and Cumulative Strain Damage Measure (CSDM) Across Different Types of Head Impacts.** *Annals of biomedical engineering*
Zhan, X., Li, Y., Liu, Y., Cecchi, N. J., Gevaert, O., Zeineh, M. M., Grant, G. A., Camarillo, D. B.
2022
- **Predictive Factors of Kinematics in Traumatic Brain Injury from Head Impacts Based on Statistical Interpretation.** *Annals of biomedical engineering*
Zhan, X., Li, Y., Liu, Y., Domel, A. G., Alizadeh, H. V., Zhou, Z., Cecchi, N. J., Raymond, S. J., Tiernan, S., Ruan, J., Barbat, S., Gevaert, O., Zeineh, et al
2021
- **Time Window of Head Impact Kinematics Measurement for Calculation of Brain Strain and Strain Rate in American Football.** *Annals of biomedical engineering*
Liu, Y., Domel, A. G., Cecchi, N. J., Rice, E., Callan, A. A., Raymond, S. J., Zhou, Z., Zhan, X., Li, Y., Zeineh, M. M., Grant, G. A., Camarillo, D. B.
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- **AI-based analysis of CT images for rapid triage of COVID-19 patients.** *NPJ digital medicine*
Xu, Q., Zhan, X., Zhou, Z., Li, Y., Xie, P., Zhang, S., Li, X., Yu, Y., Zhou, C., Zhang, L., Gevaert, O., Lu, G.
2021; 4 (1): 75
- **Photosynthesis and Related Physiological Parameters Differences Affected the Isoprene Emission Rate among 10 Typical Tree Species in Subtropical Metropolises.** *International journal of environmental research and public health*
Lyu, J., Xiong, F., Sun, N., Li, Y., Liu, C., Yin, S.
2021; 18 (3)
- **The relationship between brain injury criteria and brain strain across different types of head impacts can be different** *Journal of Royal Society Interface*
Zhan, X., Li, Y., Liu, Y., Domel, A. G., Vahid Alidazeh, H., Raymond, S. J., Ruan, J., Barbat, S., Tienan, S., Gevaert, O., Zeineh, M., Grant, G., Camarillo, et al
2021; 18 (20210260)