

Dr. YANG Zihan (楊紫邯)

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Research Output

2025

[Targeting TUBB2B inhibits triple-negative breast cancer growth and brain-metastatic colonization](#)

He, Q. (Co-first Author), **Hu, J.** (Co-first Author), Ngo, F.-Y., **Zhang, H.**, **He, L.**, **Huang, H.** & **Wu, T.** & 13 others, , 17 Feb 2025, In: *Journal of Experimental and Clinical Cancer Research*. 44, 55.

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2024

[Circulating Tumor Cells Culture: Methods, Challenges, and Clinical Applications](#)

Zhou, Z., Cai, S., **Zhou, X.**, Zhao, W., **Sun, J.**, Zhou, Z. & **Yang, Z.** & 7 others, , 27 Dec 2024 In: *Small Methods*. 2401026.

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[Enrichment method, analysis method, and a kit for a circulating tumor cells](#)

YANG, M. (Inventor), **SI, T.** (Inventor) & **YANG, Z.** (Inventor), 31 Oct 2024, (Filed) Priority No. PCT/CN2024/128746

Loss of Carbamoyl Phosphate Synthetase 1 Potentiates Hepatocellular Carcinoma Metastasis by Reducing Aspartate Level

Chen, S., Tang, Q., Hu, M., Song, S., Wu, X., Zhou, Y. & **Yang, Z.** & 9 others, , 10 Oct 2024 In: *Advanced Science*. 2402703.

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一種集成微流控芯片及原代循環腫瘤細胞體外處理方法

YANG, M. (Inventor), CUI, M. (Inventor), **YANG, Z.** (Inventor), ZHOU, Z. (Inventor), **ZHOU, X.** (Inventor) & HOU, X. (Inventor), 8 Mar 2024, Patent No. ZL202210414895.8, Priority No. 202210414895.8

An integrated and multi-functional droplet-based microfluidic platform for digital DNA amplification

Wang, Y., Zhou, X., Yang, Z., Xu, T., Fu, H., Fong, C.-C. & **Sun, J.** & 4 others, , 15 Feb 2024, In: *Biosensors and Bioelectronics*. 246, 115831.

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2023

Enrichment Method, Analysis Method, And A Reagent Kit For A Circulating Tumor Cell

YANG, M. (Inventor), **SI, T.** (Inventor) & **YANG, Z.** (Inventor), 13 Dec 2023, (Filed) Priority No. 63/609,391

High Throughput Confined Migration Microfluidic Device for Drug Screening

Yang, Z., Zhou, Z., **Si, T., Zhou, Z.,** Zhou, L., **Chin, Y. R.** & Zhang, L. & 2 others, , 19 Apr 2023, In: *Small*. 19, 16, 2207194.

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Lysyl hydroxylase LH1 promotes confined migration and metastasis of cancer cells by stabilizing Septin2 to enhance actin network

Yang, Z., Zhou, L., **Si, T.,** Chen, S., Liu, C., **Ng, K. K.** & **Wang, Z.** & 10 others, , 31 Jan 2023, In: *Molecular Cancer*. 22, 21.

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The versatile roles of testrapanins in cancer from intracellular signaling to cell-cell communication: cell membrane proteins without ligands

Zhou, Z., **Yang, Z.**, Zhou, L., **Yang, M.** & He, S., 2023, In: *Cell & Bioscience*. 13, 59.

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Confined Migration Microfluidic Device For Cell Culture And Drug Screening

YANG, M. (Inventor), **YANG, Z.** (Inventor), ZHOU, Z. (Inventor), **SI, T.** (Inventor) & **ZHOU, Z.** (Inventor), 25 Aug 2022, (Filed) Priority No. 17/822,209

Large-scale whole-genome sequencing identifies genetic alterations in circulating hepatocellular carcinoma cells

Zhou, Z., Xu, T., **Zou, H.**, **Yang, Z.** & **Yang, M.**, Jun 2022.

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Lysyl hydroxylase PLOD1 enhances actin network to promote confined migration of hepatocellular carcinoma cells via binding with Septin2.

Yang, Z., Zhou, Z.-H. & **Yang, M.**, Jun 2022.

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Hepatocyte-Specific Knock-Out of Nfib Aggravates Hepatocellular Tumorigenesis via Enhancing Urea Cycle

Zhou, L., Wang, Q.-L., Mao, L.-H., Chen, S.-Y., **Yang, Z.-H.**, Liu, X. & Gao, Y.-H. & 3 others, , May 2022, In: *Frontiers in Molecular Biosciences*. 9, 875324.

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Single cell analysis of mechanical properties and EMT-related gene expression profiles in cancer fingers

Zou, H., **Yang, Z.**, **Chan, Y.-S.**, **Yeung, S.-K. A.**, **Alam, M. K.**, **Si, T.** & Xu, T. & 1 others, , 18 Mar 2022, In: *iScience*. 25, 3, 103917.

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Enhanced pentose phosphate pathway activity promotes pancreatic ductal adenocarcinoma progression via activating YAP/MMP1 axis under chronic acidosis

Chen, S., Ning, B., Song, J., **Yang, Z.**, Zhou, L., Chen, Z. & Mao, L. & 4 others, , 2022, In: *International Journal of Biological Sciences*. 18, 6, p. 2304-2316

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