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**2024****Highly sensitive SERS platform for pathogen analysis by cyclic DNA nanostructure@AuNP tags and cascade primer exchange reaction.**Xiao Y, Luo S, Qiu J, Zhang Y, Liu W, Zhao Y, Zhu Y, Deng Y, Lu M, Liu S, Lin Y, Huang A, Wang W, Hu X and Gu B. *Journal of Nanobiotechnology* vol. 22,.**2023****A sensitive and rapid electrochemical biosensor for sEV-miRNA detection based on domino-type localized catalytic hairpin assembly.**Li W, Wang W, Luo S, Chen S, Ji T, Li N, Pan W, Zhang X, Wang X, Li K, Zhang Y and Yan X. *Journal of Nanobiotechnology* vol. 21, (1).*Springer Nature*.**CoreShell-Structured Electrorheological Fluid with a Polarizability-Tunable Nanocarbon Shell for Enhanced Stimuli-Responsive Activity.**Chen S, Cheng Y, Zhao Z, Zhang K, Hao T, Sui Y, Wang W, Zhao J and Li Y. *Acs Applied Materials & Interfaces* vol. 15, (29) 35741-35749.*American Chemical Society (Acs)*.**Rapid and efficient fluorescent aptasensor for PD-L1 positive extracellular vesicles isolation and analysis: EV-ANCHOR.**Feng J, Jia L, Pan W, Fan Y, Guo J, Luo T, Liu C, Wang W, Zheng L and Li B. *Chemical Engineering Journal* vol. 465,.*Elsevier*.**A method for real-time mechanical characterisation of microcapsules.**Guo Z, Lin T, Jing D, Wang W and Sui Y. *Biomechanics and Modeling in Mechanobiology* vol. 22, (4) 1209-1220. *Springer Nature*.**A computational model for the transit of a cancer cell through a constricted microchannel.**Wang Z, Lu R, Wang W, Tian FB, Feng JJ and Sui Y. *Biomechanics and Modeling in Mechanobiology* vol. 22, (4) 1129-1143.*Springer Nature*.**A simple and sensitive electrochemical biosensor for circulating tumor cell determination based on dual-toehold accelerated catalytic hairpin assembly.**Zhang X, Jiang X, Wang W, Luo S, Guan S, Li W, Situ B, Li B, Zhang Y and Zheng L. *Microchimica Acta* vol. 190, (2).*Springer Nature*.**2022****Localized DNA tetrahedrons assisted catalytic hairpin assembly for the rapid and sensitive profiling of small extracellular vesicle-associated microRNAs.**Zhang Y, Li W, Ji T, Luo S, Qiu J, Situ B, Li B, Zhang X, Zhang T, Wang W, Xiao Y, Zheng L and Yan X. *Journal of Nanobiotechnology* vol. 20, (1).*Springer Nature*.**Diagnostic Value of IGFBP-2 in Predicting Preeclampsia before 20 Weeks of Pregnancy: A Prospective Nested Case-Control Study.**Gao F, Yin J, Long Y, Zhu S, Huang Z, Wang J, Zheng H, Wang W and Zheng L. *Computational and Mathematical Methods in Medicine* vol. 2022,.*Hindawi*.

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