**2024年度河北省科学技术进步奖提名项目公示**

**一、项目名称**

病毒性传染病多维度监测预警与防控技术创新及应用

**二、提名单位**

河北省卫生健康委员会

**三、主要完成人**

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**四、主要完成单位**

1、河北省疾病预防控制中心

2、中国疾病预防控制中心病毒病预防控制所

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| 1 | 论文 | Safety, tolerability, and immunogenicity of an inactivated SARS-CoV-2 vaccine (CoronaVac) in healthy adults aged 60 years and older: a randomised, double-blind, placebo-controlled, phase 1/2 clinical trial | Lancet Infect Dis | 2021;  21: 803–12 | 2021-02-03 | Yuliang Zhao, Weidong Yin | Wu Z, Hu Y, Xu M，Zhen Chen | Wu Z, Hu Y, Xu M，Zhen Chen, Wanqi Yang, Zhiwei Jiang, Minjie Li, Hui Jin, Guoliang Cui, Panpan Chen, Lei Wang,  Guoqing Zhao, Yuzhu Ding, Yuliang Zhao, Weidong Yin |
| 2 | 论文 | Safety, tolerability, and immunogenicity of an inactivated SARS-CoV-2 vaccine (CoronaVac) in healthy children and adolescents: a double-blind, randomised, controlled, phase 1/2 clinical trial | Lancet Infect Dis | 2021;  21: 1645–53 | 2021-06-28 | Li Q, Gao Q | Han B, Song Y, Li C | Han B, Song Y, Li C, Yang W, Ma Q, Jiang Z, Li M, Lian X, Jiao W, Wang L, Shu Q, Wu Z, Zhao Y, Li Q, Gao Q |
| 3 | 论文 | Surveillance of SARS-CoV-2 in wastewater by quantitative PCR and digital PCR: a case study in Shijiazhuang city, Hebei province, China | Emerg Microbes Infect | 2024，13(1):2324502 | 2024-02-22 | [Qi Li](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Li+Q&cauthor_id=38465692) | [Xiaoru Chai](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Chai+X&cauthor_id=38465692) , [Shiyou Liu](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Liu+S&cauthor_id=38465692) | [Xiaoru Chai](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Chai+X&cauthor_id=38465692) , [Shiyou Liu](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Liu+S&cauthor_id=38465692) , [Chao Liu](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Liu+C&cauthor_id=38465692) , [Jiaxuan Bai](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Bai+J&cauthor_id=38465692), [Juntao Meng](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Meng+J&cauthor_id=38465692) , [Hong Tian](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Tian+H&cauthor_id=38465692) , [Xu Han](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Han+X&cauthor_id=38465692) , [Guangyue Han](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Han+G&cauthor_id=38465692) , [Xiangdong Xu](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Xu+X&cauthor_id=38465692) , [Qi Li](https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Li+Q&cauthor_id=38465692) |
| 4 | 论文 | Immunogenicity and safety of a SARS-CoV-2 mRNA vaccine (SYS6006) in healthy Chinese participants: A randomized, observer-blinded, placebo-controlled phase 2 clinical trial | Vaccine | 2024,42（7）:1561-1570 | 2024-03-07 | Li C, Lu X, Su YW, Li Q | Jin F, Qiu Y | Jin F, Qiu Y, Wu Z, Wang YH, Cai C, Fu L, Jiao W, Wang H, Gao M, Su C, Ma JH, Xu Y, Huang CC, Zhang Q, Ni S, Zhao M, Guo L, Ji L, Yang H, Zhao Y, Li C, Lu X, Su YW, Li Q |
| 5 | 论文 | Prevalence and genetic diversity of human rhinovirus among patients with acute respiratory infections in China,  2012−2021 | J Med Virol | 2024，96(4):e29582. | 2024-04-09 | Yan Zhang | Aili Cui | Aili Cui，Baicheng Xia，Haoran Jiang，Qi Li，Liwei Sun，Jin Xu，Kongxin Hu，Zhibo Xie， Yage Wang，Runan Zhu，Chaoyang Huang，Zhong Li，Jing Xu，Wenyang Wang，Hui Zhang，Zhenguo Gao，  Feng Zhang，Hui Xie，Yan Zhang |
| 6 | 论文 | Long-term retrospective observation reveals stabilities and variations of hantavirus infection in Hebei, China | BMC Infect Dis | 2019,19（1）：765 | 2019-09-02 | Li Q | Liu S | Liu S, Wei Y, Han X, Cai Y, Han Z, Zhang Y, Xu Y, Qi S, Li Q |
| 7 | 论文 | Human infection with Eurasian avian-like influenza A(H1N1) virus, China | Emerg Infect Dis | 2013，19（10）：1709-11 | 2013-10 | Shu YL | Wang DY, Qi SX | Wang DY, Qi SX, Li XY, Guo JF, Tan MJ, Han GY, Liu YF, Lan Y, Yang L, Huang WJ, Cheng YH, Zhao X, Bai T, Wang Z, Wei HJ, Xiao N, Shu YL |
| 8 | 论文 | Evaluation of a direct reverse transcription loop-mediated isothermal amplification method without RNA extraction for the detection of human enterovirus 71 subgenotype C4 in nasopharyngeal swab specimens | PLOS ONE | 2012,7（12）：e52486 | 2012-12-18 | Li Q, Ma XJ | Nie K, Qi SX, Zhang Y | Nie K, Qi SX, Zhang Y, Luo L, Xie Y, Yang MJ, Zhang Y, Li J, Shen H, Li Q, Ma XJ |