

Publication Records (#: Equal contribution)

Peer-reviewed Journal Publications

First-author publications

1. **Ho Wan Chan**[#], Xinyue Zhang[#], Stephanie Chow, David Chi Leung Lam, Shing Fung Chow. "Inhalable Paclitaxel Nanoagglomerate Dry Powders for Lung Cancer Chemotherapy: Design of Experiments-Guided Development, Characterization and In Vitro Evaluation," *International Journal of Pharmaceutics* 653 (2024):123877. doi:10.1016/j.ijpharm.2024.123877.
2. **Ho Wan Chan**, Hok Wai Lee, Stephanie Chow, David Chi Leung Lam, Shing Fung Chow. "Integrated continuous manufacturing of inhalable remdesivir nanoagglomerate dry powders: design, optimization and therapeutic potential for respiratory viral infections," *International Journal of Pharmaceutics* 644 (2023):123303. doi:10.1016/j.ijpharm.2023.123303.
3. **Ho Wan Chan**, Stephanie Chow, Xinyue Zhang, Philip Chi Lip Kwok, Shing Fung Chow. "Role of Particle Size in Translational Research of Nanomedicines for Successful Drug Delivery: Discrepancies and Inadequacies," *Journal of Pharmaceutical Sciences* 112 (2023):2371-2384. doi:10.1016/j.xphs.2023.07.002.
4. **Ho Wan Chan**, Stephanie Chow, Xinyue Zhang, Yayi Zhao, Henry Hoi Yee Tong, Shing Fung Chow. "Inhalable Nanoparticle-based Dry Powder Formulations for Respiratory Diseases: Challenges and Strategies for Translational Research," *AAPS PharmSciTech* 24 (2023):98. doi:10.1208/s12249-023-02559-y.

Other publications

1. Xinyue Zhang, **Ho Wan Chan**, Zitong Shao, Qiyun Wang, Stephanie Chow, Shing Fung Chow. "Navigating translational research in nanomedicine: A strategic guide to formulation and manufacturing," *International Journal of Pharmaceutics* 671 (2025):125202. doi:10.1016/j.ijpharm.2025.125202.
2. Xinyue Zhang, Guangpu Su, Zitong Shao, **Ho Wan Chan**, Stephanie Chow, Si Li, Chi Kwan Tsang, Shing Fung Chow. "Rational Development of Fingolimod Nano-embedded Microparticles as Nose-to-Brain Neuroprotective Therapy for Ischemic Stroke," *Drug Delivery and Translational Research* (2024), in press. doi: 10.1007/s13346-024-01721-8.
3. Si Nga Wong[#], Si Li[#], Kam-Hung Low, **Ho Wan Chan**, Xinyue Zhang, Stephanie Chow, Bo Hui, Philip C.Y. Chow, Shing Fung Chow. "Development of Favipiravir Dry Powders for Intranasal Delivery: An Integrated Cocrystal and Particle Engineering Approach via Spray Freeze Drying," *International Journal of Pharmaceutics* 653 (2024):123896. doi:10.1016/j.ijpharm.2024.123896.
4. Ping Zeng, Pengfei Zhang, **Ho Wan Chan**, Shing Fung Chow, Jenny Ka Wing Lam, Margaret Ip, Sharon Shui Yee Leung. "Storage stability of lysostaphin solution and its pulmonary delivery," *Drug Delivery and Translational Research* 14 (2024):2433-2443. doi:10.1007/s13346-024-01518-9.
5. Si Nga Wong, Kam-Hung Low, Yi Lam Poon, Xinyue Zhang, **Ho Wan Chan**, Shing Fung Chow. "Synthesis of the first remdesivir cocrystal: design, characterization, and therapeutic potential for pulmonary delivery," *International Journal of Pharmaceutics* 640 (2023):122983. doi:10.1016/j.ijpharm.2023.122983.
6. Jingwen Weng, Zitong Shao, **Ho Wan Chan**, Steve Po Yam Li, Jenny Ka Wing Lam, Chi Kwan Tsang, Shing Fung Chow. "Mediating bio-fate of polymeric cholecalciferol nanoparticles through rational size control," *Biomaterials Advances* 140 (2022):213074. doi:10.1016/j.bioadv.2022.213074.
7. Si Nga Wong, Kam-Hung Low, Jingwen Weng, **Ho Wan Chan**, Shing Fung Chow. "Expanding the solid-state landscape of dexamethasone: a specific sandwich structure in facilitating the formation of kinetically stable cocrystals from mechanochemistry," *CrystEngComm* 24 (2022):5875-5879. doi:10.1039/D2CE00758D.
8. Xinran Zhang, Li Yin Chau, **Ho Wan Chan**, Jingwen Weng, Ka Wai Wong, Shing Fung Chow, Albert Hee Lum Chow. "Physical stability and *in vivo* brain delivery of polymeric ibuprofen nanoparticles fabricated by flash nanoprecipitation," *International Journal of Pharmaceutics* 598 (2021):120224. doi:10.1016/j.ijpharm.2021.120224.