

Selected Peer-reviewed Publications

1. Li Q, Feng Y, Xue Y, Zhan X, Fu Y, Gui G, Zhou W, Richard JP, Taga A, Li P, Mao X, Maragakis NJ, Ying M. [Edaravone activates the GDNF/RET neurotrophic signaling pathway and protects mRNA-induced motor neurons from iPS cells.](#) Mol Neurodegener. 2022 Jan 10;17(1):8. doi: 10.1186/s13024-021-00510-y. PubMed PMID: 35012575; PubMed Central PMCID: PMC8751314.
2. **Xiping Zhan** *, Sharon Dowell, Ying Shen, Dexter L. Lee (2020). Chloroquine to fight COVID-19: A consideration of mechanisms and adverse effects? Heliyon. Sept 4. 2020;6(9): e04900. [doi:10.1016/j.heliyon.2020.e04900](#)
3. Xue Y, **Zhan X**, Sun S, Karuppagounder SS, Xia S, Dawson VL, Dawson TM, Lattera J, Zhang J, Ying M. Synthetic mRNAs Drive Highly Efficient iPS Cell Differentiation to Dopaminergic Neurons (2018). [Stem Cells Transl Med. 2018 Nov 1. doi: 10.1002/sctm.18-0036.](#)
4. Shiyong Peng *, Wenqiang Li, Luxiang Lv, Zhongjiang Zhang, **Xiping Zhan*** (2018). BDNF as a Signature in Diagnosis and Evaluation of Treatment for Schizophrenia and Depression. [Discovery Medicine. 26 \(143\), 127-136.](#) PMID:30586536.
5. Zou L, Xue Y, Jones M, Heinbockel T, Ying M, **Zhan X**. The Effects of Quinine on Neurophysiological Properties of Dopaminergic Neurons. [Neurotoxicity Research. 2017 December 29; 34\(1\):62-73.](#)
6. Sagal Chaim, **Xiping Zhan**, Jinchong Xu, Jessica Tilghman, Senthilkumar Karuppagounder, Li Chen, Valina L. Dawson, Ted M. Dawson, John Lattera and Mingyao Ying (2014): Proneural transcription factor Atoh1 drives highly efficient differentiation of human pluripotent stem cells into dopaminergic neurons. [Stem Cells Translational Medicine, June 5, 3\(8\): 888- 898.](#)
7. **Xiping Zhan**, Pingbo Ying, Thomas Heinbockel (2013): Basal forebrain modulates spontaneous activity of principal cells in the olfactory bulb in anaesthetized Mice, [Frontiers in Neural Circuits, Sept 03, 7\(148\):1-10.](#)
8. **Xiping Zhan**, Werner M. Graf (2012): Harmaline attenuates voltage-sensitive Ca²⁺ currents in neurons of the inferior olive. [Journal of Pharmacy & Pharmaceutical Sciences, Dec 11, 15\(5\):657-668.](#)
9. **Xiping Zhan**, David K. Ryugo (2007): Projections of the lateral reticular nucleus to the cochlear nucleus in rats. [Journal of Comparative Neurology.Oct 10; 504\(5\):583-98.](#)
10. **Xiping Zhan**, Tan Pongstaporn, David K. Ryugo (2006): Projections of the second cervical dorsal root ganglion to the cochlear nucleus in rats. [Journal of Comparative Neurology. May 20; 496\(3\):335-48.](#)
11. **Zhan X**, * Shou T: Anatomical evidence of subcortical contributions to the orientation selectivity and columns of the cat's primary visual cortex. [Neuroscience Letters \(Ireland\).](#) May 24, 2002; 324(3): 247-51. PMID: 12009533.

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