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所有發表期刊論文

1. Hsiao C-W, Peng T-I, Jou M-J\*. (2015) mtDNA T8993G (NARP) mutation augments mCa<sup>2+</sup>-mediated mROS dependent cardiolipin depletion for lethal transient mitochondrial permeability transition: implications for pathogenesis and treatment of NARP. (in preparation)
2. Huang W-I, Jou M-J, Peng T-I\*.(2014) Hypoxic preconditioning-induced mitochondrial protection is not disrupted in a cell model of mtDNA T8993G mutation-induced F1F0-ATP synthase defect: the role of mitochondrial permeability transition. *Free Radic. Biol. Med.*,67:314-329.
3. Huang W-I, Jou M-J, Peng T-I\*.(2013) mtDNA T8993G Mutation-Induced F1F0-ATP Synthase Defect Augments Mitochondrial Dysfunction Associated with hypoxia/reoxygenation: The Protective Role of Melatonin. *PLoS One*,8(11) (published online)
4. Peng T-I, Lin M-S\*, Jou M-J\*. (2013) Dual phases of respiration chain defect-augmented mROS-mediated mCa<sup>2+</sup> stress during oxidative insult in normal and  $\rho^0$  RBA1 astrocytes. *Oxidative Med. Cell. Longev.* (published online)
5. Hsiao C-W, Peng T-I, Peng AC., Reiter RJ, Tanaka M, Lai Y-K and Jou M-J\*. (2013) Long-term A $\beta$  exposure augments mCa<sup>2+</sup>-independent mROS-mediated depletion of cardiolipin for the shift of a lethal transient mitochondrial permeability transition to its permanent mode in NARP cybrids: a protective targeting of melatonin. *J. Pineal Res.*,54:107-125.
6. Yang C-M\*, Tung W-H, Lin Y-H, Chen W-J, Jou M-J, Hsiao L-D. (2012) Japanese encephalitis virus induces matrix metalloproteinase-9 expression via ROS/c-Src/PDGFR/PI3K/Akt/MAPKs- dependent AP-1 pathway in rat brain astrocytes. *J. Neuroinflamm.*,9(1):12
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12. Cheng S-E, Luo S-F, Jou M-J, Lin C-C, Kou Y-R, Lee I-T, Hsieh H-L, and Yang C-M\*. (2009) Cigarette smoke extract induces cytosolic phospholipase A2 expression via NADPH oxidase, MAPKs, AP-1, and NF-κB in human tracheal smooth muscle cells. *Free Radic. Biol. Med.*, 46(7):948-960.
13. Jou M-J\*. (2008) Pathophysiological and pharmacological implications of mitochondria-targeted reactive oxygen species generation in astrocytes. *Adv. Drug Deliv. Rev.*, 60(13-14):1512-1526. (cover art)
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24. Peng T-I, Chang C-J, Guo M-J, Wang Y-H, Yu J-S, Wu H-Y, and Jou M-J\*. (2005) Mitochondrion-targeted photosensitizer enhances the photodynamic effect-induced mitochondrial dysfunction and apoptosis. *Ann. NY Acad. Sci.*, 1042:419-428.
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