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Research Interests : brain and heart protection mechanism
Publications :
<ol style="list-style-type: none"> Lin JY, Ho TJ, Tsai BCK, Chiang CY, Kao HC, Kuo WW, Chen RJ, Viswanadha VP, Huang CW, Huang CY* (2021) Exercise renovates H2S and Nrf2-related antioxidant pathways to suppress apoptosis in the natural ageing process of male rat cortex. <i>Biogerontology</i> 22:495-506. Leung WS, Kuo WW, Ju DT, Wang TD, Chen WST, Ho TJ, Lin YM, Mahalakshmi B, Lin JY*, Chih-Yang Huang* (2020) Protective effects of diallyl trisulfide (DATS) against doxorubicin-induced inflammation and oxidative stress in the brain of rats. <i>Free Radic Biol Med.</i> 160:141-148. Lin JY, Kuo WW, Baskaran R, Kuo CH, Chen YA, Chen WST, Ho TJ, Day CH, Mahalakshmi B, Huang CY* (2020) Swimming exercise stimulates IGF1/PI3K/Akt and AMPK/SIRT1/PGC1 α survival signaling to suppress apoptosis and inflammation in aging hippocampus. <i>Aging</i> 12: 6852-6864. Huang CY, Lai CH, Chiang, SF, Pai PY, Lin JY, Chang CF, Viswanadha VP, Kuo WW, Huang CY* (2018) Inhibition of ERK-Drp 1 signaling and mitochondria fragmentation alleviates IGF-IIR-induced mitochondria dysfunction during heart failure. <i>J Mol Cell Cardiol.</i> 122: 58-68. Huang CY, Kuo WW, Ho TJ, Chiang SF, Pai PY, Lin JY, Lin DY, Kuo CH, Huang CY* (2018) Rab9-dependent autophagy is required for the IGF-IIR triggering mitophagy to eliminate damaged mitochondria. <i>J Cell Physiol.</i> 233(9): 7080-7091. Huang CY, Pai PY, Kuo CH, Ho TJ, Lin JY, Lin DY, Tsai FJ, Padma VV, Kuo WW, Huang CY* (2017) p53-mediated miR-18 repression activates HSF2 for IGF-IIR-dependent myocyte hypertrophy in hypertension-induced heart failure. <i>Cell Death Diseases.</i> 8(8): e2990. Doi:10.1038/cddis.2017.320.