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## 期刊論文

1. Chih-Chao Yang, Pei-Hsun Sung, Chih-Hung Chen, John Y. Chiang, Pei-Lin Shao, Shun-Cheng Wu(吳順成)*, Hon-Kan Yip* Shun-Cheng Wu(吳順成) 和 Hon- Kan Yip(葉漢根) 同等貢獻通訊作者 (2021, Sep). Additional benefit of induced pluripotent stem cell-derived mesenchymal stem cell therapy on sepsis syndrome-associated acute kidney injury in rat treated with antibiotic. Stem Cell Research & Therapy. (Accepted). (SCI, 24/140(17.14%)/Medicine, Research & Experimental). 本人為通訊作者.

2. Ling-hua Chang, Chung-Hwan Chen, Shun-Cheng Wu(吳順成), Je-ken Chang, Mei-Ling Ho * (2021, Sep). Cyclooxygenase-2 regulates PTHrP transcription in human articular chondrocytes and is involved in the pathophysiology of osteoarthritis in rats. Journal of Orthopaedic Translation., Volume 30, Pages 16-30. (SCI, 6/82(7.31%)/Orthopedics).

3. Pei-Lin Shao, Jiunn-Der Liao *, Shun-Cheng Wu(吳順成), Yu-Hsing Chen, Tak-Wah Wong (2021, Sep). Microplasma treatment versus negative pressure therapy for promoting wound healing in diabetic mice. International Journal of Molecular Sciences. (Accepted). (SCI, 67/297(22.55%)/Biochemistry & Molecular biology).

4. Chung-Hwan Chen1, Lin Kang2, Ling-Hua Chang3, Tsung-Lin Cheng4, Sung-Yen Lin5, Shun-Cheng Wu(吳順成), Yi-Shan Lin, Shu-Chun Chuang, Tien-Ching Lee, Je-Ken Chang*, Mei-Ling Ho* (2021, Aug). Intra-articular low-dose parathyroid hormone (1-34) improves mobility and articular cartilage quality in a preclinical age-related knee osteoarthritis model. Bone & Joint Research., 10(8):514-525. (SCI, 4/82(4.87%)/Orthopedics).

5. Jiunn-Jye Sheu, Han-Tan Chai, Pei-Hsun Sung, John Y. Chiang, Tien-Hung Huang, Pei-Lin Shao, Shun-Cheng Wu(吳順成)*, Hon‐Kan Yip* (2021, Jun). Double overexpression of miR-19a & miR-20a in induced pluripotent stem cell derived mesenchymal stem cells effectively preserves the left ventricular function in dilated cardiomyopathic rat. Stem Cell Research & Therapy, 12(1):371. (SCI, 24/140 (17.14%)/ Medicine Research & Experimental). 本人為通訊作者.

6. Shun-Cheng Wu(吳順成),Chih-Hsiang Chang, Ling-Hua Chang ,Che-Wei Wu, Jhen-Wei Chen, Chung-Hwan Chen, Yi-Shan Lin, Je-Ken Chang* and Mei- Ling Ho* (2021, May). Simvastatin Enhances the Chondrogenesis but Not the Osteogenesis of Adipose-Derived Stem Cells in a Hyaluronan Microenvironment. Biomedicines, 9(5), 559. (SCI, 32/275(11.63%), PHARMACOLOGY & PHARMACY). 本人為第一作者.

7. Swathi Nedunchezian, Parikshit Banerjee, Chih-Yun Lee, Su-Shin Lee, Che-Wei Lin, Che-Wei Wu, Shun-Cheng Wu(吳順成), Je-Ken Chang, Chih-Kuang Wang (2021, May). Generating adipose stem cell-laden hyaluronic acid-based scaffolds using 3D bioprinting via the double crosslinked strategy for chondrogenesis. Materials Science and Engineering: C Materials for Biological Applications, 124, 112072. (SCI, 7/38 (18.42%) /MATERIALS SCIENCES BIOMATERIALS)).

8. Yin-Chia Chen, Jiunn-Jye Sheu, John Y Chiang, Pei-Lin Shao, Shun-Cheng Wu(吳順成), Pei-Hsun Sung, Yi-Chen Li, Yi-Ling Chen, Tien-Hung Huang, Kuan-Hung Chen, Hon-Kan Yip (2020, Oct). Circulatory Rejuvenated EPCs Derived from PAOD Patients Treated by CD34 + Cells and Hyperbaric Oxygen Therapy Salvaged the Nude Mouse Limb against Critical Ischemia. International Journal of Molecular Sciences, 21(21):7887. (SCI, 74/297 Biochemistry & Molecular Biology).

9. Han-Tan Chai*, Jiunn-Jye Sheu, John Y Chiang, Pei-Lin Shao ,Shun-Cheng Wu(吳順成), Yi-Ling Chen, Yi-Chen Li, Pei-Hsun Sung, Fan-Yen Lee, Hon-Kan Yip* (2019, Sep). Early administration of cold water and adipose derived mesenchymal stem cell derived exosome effectively protects the heart from ischemia-reperfusion injury. American journal of translational research, 11(9):5375-5389. (SCI, 58/136, MEDICINE, RESEARCH & EXPERIMENTAL).

10. Pei-Lin Shao, Shun-Cheng Wu(吳順成), Zih-Yin Lin, Mei-Ling Ho, Chung-Hwan Chen and Chau-Zen Wang (2019, Jan). Alpha-5 Integrin Mediates Simvastatin-Induced Osteogenesis of Bone Marrow Mesenchymal Stem Cells. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 20(3), 506. (SCI, 46/172,Chemistry Multidisciplinary; 78/298,Biochemistry & Molecular biology). MOST 105-2320-B-037-017-MY3. doi: 10.3390/ijms20030506.

11. Shun-Cheng Wu(吳順成), Pei-Yi Huang, Chung-Hwan Chen, Benjamin Teong, Jhen-Wei Chen, Che-Wei Wu, Je-Ken Chang#, Mei-Ling Ho*# (2018, Nov). Hyaluronan microenvironment enhances cartilage regeneration of human adipose-derived stem cells in a chondral defect model. International Journal of Biological Macromolecules, Volume 119, Pages 726-740. (SCI, 10/87: 11.49%, Polymer Science). MOST 102-2314-B-037-023-MY3. 本人為第一作者.

12. Chau-Zen Wang, Rajalakshmanan Eswaramoorthy, Tzu-Hsiang Lin, Chung-Hwan Chen, Yin-Chih Fu, Chih-Kuang Wang, Shun-Cheng Wu(吳順成), Gwo-Jaw Wang, Je-Ken Chang & Mei-Ling Ho (2018, Jul). Enhancement of chondrogenesis of adipose-derived stem cells in HA-PNIPAAm-CL hydrogel for cartilage regeneration in rabbits. Scientific Reports., Jul 12;8(1):10526. (SCI, 12/64: 18.75%/Multidisciplinary sciences).

13. Chung-Hwan Chen, Mei-Ling Ho,* Ling-Hua Chang, Lin Kang, Yi-Shan Lin, Sung-Yen Lin, Shun-Cheng Wu(吳順成), and Je-Ken Chang* (2018, May). Parathyroid hormone-(1-34) ameliorated knee osteoarthritis in rats via autophagy. J Appl Physiol (1985)., 124(5):1177-1185. (SCI, 11/81, Sport Sciences). MOST 104-2314-B-037-032-MY3.

14. Benjamin Teong, Shun-Cheng Wu(吳順成), Chien-Mei Chang, Jhen-Wei Chen, Hui-Ting Chen, Chung-Hwan Chen, Je-Ken Chang, Mei-Ling Ho (2018, Feb). The stiffness of a crosslinked hyaluronan hydrogel affects its chondro-induction activity on hADSCs. Journal of Biomedical Materials Research Part B: Applied Biomaterials, 106(2):808-816. (SCI, 17/78, Engineering, Biomedical).

15. Shun-Cheng Wu(吳順成), Chung-Hwan Chen, Jyun-Ya Wang, Yi-Shan Lin, Je-Ken Chang, Mei-Ling Ho (2018, Jan). Hyaluronan size alters chondrogenesis of adipose-derived stem cells via the CD44/ERK/SOX-9 pathway. Acta Biomaterialia, 66;224-237. (SCI, 4/78: 5.12%, Engineering, Biomedical). MOST 103-2314-B-037-017-MY3. 本人為第一作者.

16. Pao-Yuan Lin, Fan-Yen Lee, Christopher Glenn Wallace, Kuan-Hung Chen, Gour-Shenq Kao, Pei-Hsun Sung, Sarah Chua, Sheung-Fat Kog, Yung-Lung Chen, Shun-Cheng Wu(吳順成), Hsueh-Wen Change, Hon-Kan Yip, Pei-Lin Shao (2017, Jan). The therapeutic effect of rosuvastatin and propylthiouracil on ameliorating high-cholesterol diet-induced rabbit aortic atherosclerosis and stiffness. International Journal of Cardiology, Volume 227, 15 January 2017, Pages 938–949. (SCI, 20/124; CARDIAC & CARDIOVASCULAR SYSTEMS).

17. Kun-Chen Lin, Hon-Kan Yip, Pei-Lin Shao, Shun-Cheng Wu(吳順成), Kuan-Hung Chen, Yen-Ta Chen, Chih-Chao Yang, Cheuk-Kwan Sun j, Gour-Shenq Kao, Sheng-Yi Chen, Han-Tan Chai, Chia-Lo Chang, Chih-Hung Chen, Mel S. Lee (2016, Aug). Combination of adipose-derived mesenchymal stem cells (ADMSC) and ADMSC-derived exosomes for protecting kidney from acute ischemia–reperfusion injury. International Journal of Cardiology, 2016 Aug 1;216:173-85. (SCI, 20/124, CARDIAC & CARDIOVASCULAR SYSTEMS ).

18. Ling-hua Chang, Shun-Cheng Wu(吳順成), Chung-Hwan Chen, Gwo-Jaw Wang, Je-ken Chang, Mei-Ling Ho (2016,Aug). Parathyroid hormone 1-34 reduces dexamethasone-induced terminal differentiation in human articular chondrocytes. Toxicology, 10;368-369:116-128. (SCI, 13/90; TOXICOLOGY). MOST 103-2314-B-037-017-MY3.