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| 學術研究發表清單 | | | |
| **2024** | | | |
| 1 | Hsuan-Wei Liu,**Oscar Kuang-Sheng Lee\***. Effects of resistance training with elastic bands on bone mineral density, body composition, and osteosarcopenic obesity in elderly women: A meta-analysis. [📖](https://doi.org/10.1016/j.jor.2024.03.039) | Journal of Orthopaedics  **IF:1.5**  **Corresponding Author\*** | |
| 2 | Zhu X, Cao M, Li K, Chan YT, Chan HF, Mak YW, Yao H, Sun J, Ong MT, Ho KK, **Lee CW**, **Lee OK**, Yung PS, Jiang Y. Intra-articular sustained-release of pirfenidone as a disease-modifying treatment for early osteoarthritis. [📖](https://doi.org/10.1016/j.bioactmat.2024.05.028) | Bioactive Materials  **IF:18.9** | |
| 3 | Chun-Yu Lin,Jacky Chung-Hao Wu,Yen-Ming Kuan,Yi-Chun Liu,Pi-Yi Chang,Jun-Peng Chen,Henry Horng-Shing Lu,**Oscar Kuang-Sheng Lee\***. Precision Identification of Locally Advanced Rectal Cancer in Denoised CT Scans Using EfficientNet and Voting System Algorithms. [📖](https://doi.org/10.3390/bioengineering11040399) | Bioengineering & Translational Medicine  **IF:7.4**  **Corresponding Author\*** | |
| 4 | Kuan-Jung Chen,Wei Hsiung,Chien-Yuan Wang,**Oscar Kuang-Sheng Lee**,Kuo-Kuang Huang,Ye Huang,Jesse Chieh-Szu Yang. Comparison of double chevron-cut and biplanar distal femoral osteotomy techniques: A biomechanical study. [📖](https://doi.org/10.1371/journal.pone.0296300) | PLOS ONE  **IF:2.9** | |
| 5 | Zhang H, Yan W, Wang J, Xie S, Tao WA, **Lee CW**, Zhang X, Zhang G, Liu Y, Wei D, Hu J, Liu H, Liu F, Nie Y, Chen X, Xu H, Xia J, Wang S. Surface functionalization of exosomes for chondrocyte-targeted siRNA delivery and cartilage regeneration. [📖](https://doi.org/10.1016/j.jconrel.2024.04.009) | Journal of Controlled Release  **IF 10.5** | |
| **2023** | | | |
| 1 | Hou-Ting Kuo, Cyuan-Yi Yeh, Alan Y Hsu, **Jennifer Hui-Chun Ho**, Chun-Ju Lin, Yi-Yu Tsai. Clinical Efficacy of Omidenepag Isopropyl for Primary Open-Angle Glaucoma, Normal Tension Glaucoma, or Ocular Hypertension: A Meta-Analysis.[📖](https://www.liebertpub.com/doi/10.1089/jop.2023.0058) | | Journal of Ocular Pharmacology and Therapeutics  **IF:1.9** |
| 2 | Lin WT, **Wu HH**, **Lee CW**, **Chen YF**, Hua Lawrence, **Ho JH\***, **Lee OK\***.Modulation of experimental acute lung injury by exosomal miR-7704 from mesenchymal stromal cells acts through M2 macrophage polarization. [📖](https://doi.org/10.1016/j.omtn.2023.102102) | | Molecular Therapy-Nucleic Acid.  **IF:6.5** |
| 3 | Zihao Wan, **Yu-Fan Chen**, Qi Pan, Yiwei Wang, Shuai Yuan, HuiYen Chin, **Hao-Hsiang Wu**, Wei-TingLin, **Po-Yu Cheng**, Yun-Jung Yang, Yu-Fan Wang, Shekhar Madhukar Kumta, **Chien-Wei Lee\***, **Oscar Kuang-Sheng Lee\***. Single-cell transcriptome analysis reveals the effectiveness of cytokine priming irrespective of heterogeneity in mesenchymal stromal cells.[📖](https://www.sciencedirect.com/science/article/pii/S146532492301037X?via%3Dihub) | | Cytotherapy  **IF:3.7**  **Corresponding Author\*** |
| 4 | Belle Yu-Hsuan Wang,Allen Wei-Ting Hsiao,Hoi Ting Shiu,Nicodemus Wong,Amanda Yu-Fan Wang, **Chien-Wei Lee\***,**Oscar Kuang-Sheng Lee\***,Wayne Yuk-Wai Lee. Mesenchymal stem cells alleviate dexamethasone-induced muscle atrophy in mice and the involvement of ERK1/2 signalling pathway. [📖](https://doi.org/10.1186/s13287-023-03418-0) | | Stem Cell Research & Therapy  **IF:7.1**  **Corresponding Author\*** |
| 5 | Niang-Cheng Lin, Chinsu Liu, Cheng-Yen Chen, Hao-Jan Lei, Yi-Fan Tsou, Fang-Cheng Kuo, Shu-Cheng Chou, Meng-Hsuan Chung, Cheng-Yuan Hsia, Che-Chuan Loong, Shen-Chih Wang, **Lee Oscar K\***, Hsin-Lin Tsai. Long-term outcomes of liver transplantation for alcohol-related liver disease.[📖](https://journals.lww.com/jcma/fulltext/2023/08000/long_term_outcomes_of_liver_transplantation_for.7.aspx) | | Journal of the Chinese Medical Association  **IF:3.396**  **Corresponding Author\*** |
| 6 | Belle Yu-Hsuan Wang, Allen Wei-Ting Hsiao, Hoi Ting Shiu, Nicodemus Wong, Amanda Yu-Fan Wang, **Chien-Wei Lee\***, **Oscar Kuang-Sheng Lee\***, Wayne Yuk-Wai. Mesenchymal stem cells alleviate dexamethasone-induced muscle atrophy in mice and the involvement of ERK1/2 signalling pathway.[📖](https://stemcellres.biomedcentral.com/articles/10.1186/s13287-023-03418-0) | | Stem Cell Research and Therapy  **IF:7.1**  **Corresponding Author\*** |
| 7 | Watson Hua-Sheng Tseng, **Amrita Chattopadhyay\***, Nam Nhut Phan, Eric Y Chuang, **Oscar K. Lee\***. Utilizing multimodal approach to identify candidate pathways and biomarkers and predicting frailty syndrome in individuals from UK Biobank.[📖](https://link.springer.com/article/10.1007/s11357-023-00874-7) | | GeroScience  **IF:5.3**  **Corresponding Author\*** |
| 8 | Ting-Wei Kao,Yi-Shiuan Liu,Chih-Yu Yang,**Oscar Kuang-Sheng Lee\***. Mechanotransduction of mesenchymal stem cells and hemodynamic implications. [📖](https://doi.org/10.4103/cjop.cjop-d-22-00144) | | Chinese Journal of Physiology  **IF:1.4**  **Corresponding Author\*** |
| 9 | Yi-Ting Chou,Ching-Ting Lin,Ting-An Chang,Ya-Lun Wu,Cheng-En Yu,Tsung-Yu Ho,Hui-Yi Chen,Kai-Cheng Hsu,**Oscar Kuang-Sheng Lee**\*. Development of artificial intelligence-based clinical decision support system for diagnosis of meniscal injury using magnetic resonance images. [📖](https://doi.org/10.1016/j.bspc.2022.104523) | | Biomedical Signal Processing and Control  **IF:4.9**  **Corresponding Author\*** |
| 10 | Belle Yu-Hsuan Wang, Yi-Fan Chen, Allen Wei-Ting Hsiao, Wan-Jing Chen, **Chien-Wei Lee\***, **Oscar Kuang-Sheng Lee\***. Ginkgolide B facilitates muscle regeneration via rejuvenating osteocalcin-mediated bone-to-muscle modulation in aged mice.[📖](https://onlinelibrary.wiley.com/doi/full/10.1002/jcsm.13228) | | Journal of Cachexia, Sarcopenia and Muscle  **IF:9.4**  **Corresponding Author\*** |
| 11 | Hongtao Xu, Yanlun Zhu, Allen Wei-Ting Hsiao, Jiankun Xu,Wenxue Tong, Liang Chang, Xuerao Zhang, Yi-Fan Chen, Jie Li, Wei Chen, Yingze Zhang, Hon Fai Chan, **Chien-Wei Lee\***. Bioactive glass-elicited stem cell-derived extracellular vesicles regulate M2 macrophage polarization and angiogenesis to improve tendon regeneration and functional recovery.[📖](https://www.sciencedirect.com/science/article/pii/S0142961223000066?via%3Dihub) | | Biomaterials  **IF:12.8**  **Corresponding Author\*** |
| **2022** | | | |
| 1 | Kuo-Hsuan Hung, Yu-Ching Kao, Yu-Hsuan Tang, Yi-Ting Chen, Chuen-Heng Wang, Yu-Chen Wang, **Oscar Kuang-Sheng Lee\***. Application of a deep learning system in glaucoma screening and further classification with colour fundus photographs: a case control study.[📖](https://bmcophthalmol.biomedcentral.com/articles/10.1186/s12886-022-02730-2) | | BMC Ophthalmology  **IF:1.7**  **Corresponding Author\*** |
| 2 | Belle Yu-Hsuan Wang, Allen Wei-Ting Hsiao, Nicodemus Wong, Yi-Fan Chen, **Chien-Wei Lee\***, Wayne Yuk Wai Lee. Is dexamethasone-induced muscle atrophy an alternative model for naturally aged sarcopenia model?[📖](https://www.sciencedirect.com/science/article/pii/S2214031X22001322?via%3Dihub) | | Journal of Orthopaedic Translation  **IF:5.9**  **Corresponding Author\*** |
| 3 | Ming-Shun Hsieh, **Amrita Chattopadhyay**, Tzu-Pin Lu, Shu-Hui Liao, Chia-Ming Chang, Yi-Chen Lee, Wei-En Lo, Jia-Jun Wu, Vivian Chia-Rong Hsieh, Sung-Yuan Hu, Chorng-Kuang How. End-Stage Renal Disease Patients Undergoing Hemodialysis Have Higher Possibility of Return of Spontaneous Circulation during Out-of-Hospital Cardiac Arrest and Non-Inferior Short-Term Survival.[📖](https://www.mdpi.com/2077-0383/11/21/6582) | | Journal of Clinical Medicine  **IF:3** |
| 4 | **Chien Ting Cheng**, Dan Wang , **Oscar Kuang-Sheng Lee**, Huating Wang, Dai Fei Elmer Ker. Application of neural networks on in vitro-generated Raman spectra for label-free, ex vivo skeletal muscle detection.[📖](https://www.sciencedirect.com/science/article/pii/S0263224122013689?via%3Dihub) | | Measurement  **IF:5.2** |
| 5 | **Yu-Fan Chen#**, **Chien-Wei Lee#**, Hao-Hsiang Wu, Wei-Ting Lin, **Oscar K. Lee\***. Immunometabolism of Macrophages Regulates Skeletal Muscle Regeneration.[📖](https://www.frontiersin.org/articles/10.3389/fcell.2022.948819/full) | | Frontiers in Cell and Developmental Biology  **IF:4.6**  **First Author#**  **Corresponding Author\*** |
| 6 | Wan-Jing Chen, I-Hsuan Lin, **Chien-Wei Lee**, Kiyoshi Yoshioka, Yusuke Ono, Yu-Ting Yan, Yun Yen, Yi-Fan Chen. Ribonucleotide reductase M2B in the myofibers modulates stem cell fate in skeletal muscle.[📖](https://www.nature.com/articles/s41536-022-00231-w) | | NPJ Regenerative Medicine  **IF:14.404** |
| 7 | **Chien-Wei Lee#**, Yi-Fan Chen, Allen Wei-Ting Hsiao, Amanda Yu-Fan Wang, Oscar Yuan-Jie Shen, Belle Yu-Hsuan Wang, Lok Wai Cola Ho, Wei-Ting Lin, Chung Hang Jonathan Choi, **Oscar Kuang-Sheng Lee\***. Demystifying the long noncoding RNA landscape of small EVs derived from human mesenchymal stromal cells.[📖](https://www.sciencedirect.com/science/article/pii/S2090123221002137?via%3Dihub) | | Journal of Advanced Research  **IF:11.4**  **Co-First Author#**  **Corresponding Author\*** |
| 8 | Ming-Chia Li, Pu-Yuan Chang, Huai-Rou Luo, Ling-Yuan Chang, Chuan-Yi Lin, Chih-Yu Yang, **Oscar Kuang-Sheng Lee**, Yan-Hwa Wu Lee, Der-Cherng Tarng. Functioning tailor-made 3D-printed vascular graft for hemodialysis.[📖](https://journals.sagepub.com/doi/10.1177/11297298221086173) | | Journal of Vascular Access  **IF:2.8** |
| 9 | Hongtao Xu, Yanlun Zhu, Jiankun Xu, Wenxue Tong, Shiwen Hu, Yi-Fan Chen, Shuai Deng, Hao Yao, Jie Li, **Chien-Wei Lee\***, Hon Fai Chan. Injectable bioactive glass/sodium alginate hydrogel with immunomodulatory and angiogenic properties for enhanced tendon healing.[📖](https://aiche.onlinelibrary.wiley.com/doi/10.1002/btm2.10345) | | Bioengineering & Translational Medicine  **IF:5.7**  **Corresponding Author\*** |
| 10 | Y-T Chen, Z-K Kao, C-J Shih, S-M Ou, C-Y Yang, A-H Yang, **O K-S Lee**, D-C Tarng. Magnesium exposure increases hip fracture risks in patients with chronic kidney disease: a population-based nested case–control study.[📖](https://link.springer.com/article/10.1007/s00198-022-06301-5) | | Osteoporosis International  **IF:4.2** |
| 11 | Kuo-Hsuan Hung, Chihung Lin, Jinsheng Roan, Chang-Fu Kuo, Ching-Hsi Hsiao, Hsin-Yuan Tan, Hung-Chi Chen, David Hui-Kang Ma, Lung-Kun Yeh, **Oscar Kuang-Sheng Lee\***. Application of a Deep Learning System in Pterygium Grading and Further Prediction of Recurrence with Slit Lamp Photographs.[📖](https://www.mdpi.com/2075-4418/12/4/888) | | Diagnostics  **IF:3**  **Corresponding Author\*** |
| 12 | Subhashree Shivani, Cheng-Yen Kao, **Amrita Chattopadhyay**, Jenn-Wei Chen, Liang-Chuan Lai, Wei-Hung Lin, Tzu-Pin Lu, I-Hsiu Huang, Mong-Hsun Tsai, Ching-Hao Teng, Jiunn-Jong Wu, Yi-Hsien Hsieh, Ming-Cheng Wang, Eric Y Chuang. Uremic Toxin-Producing Bacteroides Species Prevail in the Gut Microbiota of Taiwanese CKD Patients: An Analysis Using the New Taiwan Microbiome Baseline.[📖](https://www.frontiersin.org/articles/10.3389/fcimb.2022.726256/full) | | Frontiers in Cellular and Infection Microbiology  **IF:4.6** |
| 13 | Yu-Pin Chen, Chung-Ying Lin, Yi-Jie Kuo, **Oscar Kuang-Sheng Lee\***. Feasibility and Effect of a Wearable Motion Sensor Device in Facilitating In‐Home Rehabilitation Program in Patients after Total Knee Arthroplasty: A Preliminary Study.[📖](https://www.mdpi.com/2076-3417/12/5/2433) | | Applied Sciences-Basel  **IF:2.5**  **Corresponding Author\*** |
| 14 | Yu-Pin Chen, Chung-Ying Lin, Yi-Jie Kuo, **Oscar Kuang-Sheng Lee\***.  Letter to the Editor (Response) Re: Extracorporeal Shockwave Therapy in the Treatment of Trigger Finger: A Randomized Controlled Study.[📖](https://www.sciencedirect.com/science/article/pii/S0003999322002374?via%3Dihub) | | Archives of Physical Medicine and Rehabilitation  **IF: 3.6**  **Corresponding Author\*** |
| 15 | Yu-Pin Chen,Chung-Ying Lin,Yi-Jie Kuo**,Oscar Kuang-Sheng Lee\***. Extracorporeal Shockwave Therapy in the Treatment of Trigger Finger: A Randomized Controlled Study. [📖](https://doi.org/10.1016/j.apmr.2021.04.015) | | Archives of Physical Medicine and Rehabilitation  **IF:3.6**  **Corresponding Author\*** |
| 16 | Untari Novia Wisesty, Ayu Purwarianti, Adi Pancoro,**Amrita Chattopadhyay**, Nam Nhut Phan, Eric Y. Chuang, Tati Rajab Mengko. Join Classifier of Type and Index Mutation on Lung Cancer DNA Using Sequential Labeling Model.[📖](https://ieeexplore.ieee.org/document/9681069) | | IEEE Access  **IF: 3.476** |
| 17 | **Amrita Chattopadhyay#**, Ching-Yu Shihr, Yu-Chen Hsur, Jyh-Ming Jimmy Juangr, Eric Y. Chuangr, Tzu-Pin Lu. CLIN\_SKAT: an R package to conduct association analysis using functionally relevant variants.📖 | | BMC Bioinformatics  **IF: 2.9**  **Co-First Author#** |