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所有發表期刊論文

1. Rout, B., Liu, C. H.\*, Wu, W. C. Increased anti-biofilm efficacy of toluidine blue on Staphylococcus species after nano-encapsulation. Photodiagnosis and Photodynamic Therapy, 2018, 21(3) 190–200, IF 2.219, Oncology 149/217 (Available online 13 December 2017)
2. Kumari, M., Liu, C. H.\*, Wu, W. C. Efficient gene delivery by oligochitosan conjugated serum albumin: Facile synthesis, polyplex stability, and transfection, Carbohydrate Polymers, 2018, 183(3) 37-49, Chemistry, Applied, 4/72 (0.6%) (Available online 04 November 2017), IF 4.811,
3. Rout, B., Liu, C. H.\*, Wu, W. C. Photosensitizer in lipid nanoparticle: a nano-scaled approach to antibacterial function, Scientific Reports, 2017, 7, Article number: 7892, doi:10.1038/s41598-017-07444-w, Published online: 11 August 2017, IF 4.259, Multidisciplinary Sciences 10/64 (16%)
4. Sahoo, S. L., Liu, C. H.\*, Wu, W.C., 2017, Lymphoma cell isolation using multifunctional magnetic nanoparticles: antibody conjugation and characterization. RSC Advances, 7, 22468–22478. online 13 Apr 2017 IF 3.108, Chemistry, Multidisciplinary 59/166 (36%)
5. Liu, C. H.\*, Lai, H.Y., Wu, W.C., 2017, Facile Synthesis of magnetic iron oxide nanoparticles for nattokinase isolation, Food and Bioproducts Processing, 102,260-267, IF 1.97, Food Science & Technology, 45/128 (35%), Engineering, Chemical 56/135 (41%) online 1 March 2017
6. Liu, C. H.\*, Tsao, M.H., Sahoo, S. L, Wu, W. C. 2017, Magnetic nanoparticles with fluorescence and affinity for DNA sensing and nucleus staining, RSC Advances, 7, 5937-5947 (published online 17 Jan 2017) IF 3.108, Chemistry, Multidisciplinary 59/166 (36%)
7. Hwang Y. S., Liu, C. H., Huang Y. C., Chen C. S., Chen T. L., Wang N. K., Chen Y. P., Chen K. J., Lai C. C., Wu W. C., 2017, Systemic effects after intravitreal injection of bevacizumab in new born rabbit eyes. Cutaneous and Ocular Toxicology, IF1.213, Ophthalmology 47/59 (80%)
8. Liu, C. H.\*, Lee, W.S., Wu, W. C. 2016, Photodynamic inactivation against Pseudomonas aeruginosa by curcumin microemulsions, RSC Advances, 6, 63013-63022, IF 3.108, Chemistry, Multidisciplinary 59/165 (33%) First published online 01 Jul 2016 IF =3.289
9. Rout, B., Liu, C. H.\*, Wu, W. C. 2016, Enhancement of photodynamic inactivation against Pseudomonas aeruginosa by a nano-carrier approach. Colloids and Surfaces B: Biointerfaces, 140:472-480. IF 3.902, Chemistry, Physical 39/144 (27%) online 2016 Jan 6. IF=3.902
10. Liu, C. H.\*, Huang, Y. C., Jhang, J. W., Liu, Y. H., Wu, W. C., 2015 Quercetin delivery to porcine cornea and sclera by solid lipid nanoparticles and nanoemulsion, IF 3.289, RSC Advances, 5, 100923 – 100933, IF 3.289 Chemistry, Multidisciplinary 49/163(33%) online 24 Nov 2015

11. Sahoo, S. L, Liu, C. H.\*, 2015, Adsorption behaviors of DNA by modified magnetic nanoparticles: Effect of spacer and salt, *Colloids and Surfaces A: Physicochem. Eng. Aspects*, 482, 184–194, IF 2.76, Chemistry, Physical 56/144 (39%) **online 21 May 2015**
12. Liu, C. H.\*, Lai, K.Y., Wu, W.C., Chen,Y.J., Lee, W.S., Hsu, C.Y., 2015, In vitro scleral lutein distribution by cyclodextrin containing nanoemulsions, *Chemical Pharmaceutical Bulletin*, 63(2), 59-67, IF 1.375, Chemistry, Multidisciplinary 76/148 (51%)
13. Liu, C. H.\*, Chiu, H.C., Wu, W.C., Sahoo, S.L., Hsu, C.Y., 2014, Novel lutein loaded lipid nanoparticles on porcine corneal distribution, *Journal of Ophthalmology*, Volume 2014, Article ID 304694. IF 1.463 Ophthalmology 34/56 (60%)
14. Wu, W C, Liu, C. H, Wang, N.K., Chen, K.J., Chen T.L., Hwang, Y.S., Liao, P.J., Li, L.M., Lai, C.C., 2014, Lens subluxation after plasmin and SF6 injections in rabbit eyes, *Plos One*,9 (11) e1129573. (IF: 3.057)Multidisciplinary Sciences 11/66 (16%)
15. Liu, C. H.\*, Sahoo, S.L. Tsao, M.H., 2014, Acridine orange coated magnetic nanoparticles for nucleus labeling and DNA adsorption, *Colloids and Surfaces B: Biointerfaces*, 115, 150-156 (IF: 4.152)
16. Hou, H.Y. Fu, S.H., Liu, C.H., Chen, J.P., Hsu, B.R.S., 2013, The graft survival protection of subcutaneous allogeneic islets with hydrogel grafting and encapsulated by CTLA4Ig and IL1ra, *Polymer Journal*, 46(2), 136-144.
17. Lin, L. T., Wang, B. S., Chen, J. C., Liu, C. H., Chou, Chiu, C., S. J., Chang, W. Y., Liu, R. S., Chang, C. A., Lee, Y. J., 2013, mPlum-IFP 1.4 fluorescent fusion protein may display Förster resonance energy transfer associated properties that can be used for near-infrared based reporter gene imaging. *J. Biomed. Opt.* 18(12), 126013
18. Liu, C. H.\*, Huang H. Y. 2013, In vitro anti-Propionibacterium activity by curcumin containing vesicle system. *Chemical Pharmaceutical Bulletin*, 61(4): 419-425 (SCI) IF 1.228, Chemistry, Multidisciplinary 102/163 (62%)
19. Liu, C. H., Hsien Y. F. 2013, Adsorption behaviors of nucleic acid by cationic magnetic nanoparticles, *Applied Mechanics Materials*, Vol. (284-287) 271-275 (EI)
20. Liu, C. H., Cheng M. S. 2013, Nanoparticles composed by oligochitosan and polyethylenimine for gene delivery, *Applied Mechanics Materials*, Vol. (284-287) 412-418 (EI)
21. Liu, C. H., Wu, W.C., Lai, H. Y., 2013, Adsorption of nattokinase by amino acid-conjugated magnetic nanoadsorbents, *Separation Science Technology*, 48(6) 923-930 (SCI) IF 1.2
22. Liu, C. H.\*, Huang H. Y., 2012, Antimicrobial activity of curcumin-loaded

- myristic acid microemulsions against *Staphylococcus epidermidis*, *Chemical Pharmaceutical Bulletin* 60(9):1118-24 (SCI)
23. Wu, W C, Liu, C. H, Chen C. C., Wang, N.K., Chen, K.J., Chen T.L., Hwang, Y.S., Li, L.M., Lai, C.C., 2012, Efficient vitreolysis by combining plasmin and sulfur hexafluoride injection in a preclinical study in rabbit eyes, *Molecular Vision*, 18:2361-2370 (SCI)
  24. Liu, C. H., Wu, W.C., Lai, H. Y., Hou, H. Y., 2011, Magnetic purification of plasminogen from human plasma by specific lysine affinity, *J. Bioscience and Bioengineering* 112(3):219-24 (SCI)
  25. Liu, C. H., Chang, F.Y., 2011, Development and characterization of eucalyptol microemulsions for topical delivery of curcumin, *Chem Pharm Bull.*, 59(2):172-8 (SCI)
  26. Wu, W.C., Chen, C.C., Liu, C.H., Wang, N.K., Chen, K.J., Chen T.L., Hwang, Y.S., Li, L.M., Lai, C.C., 2011, Plasmin treatment accelerates vascular endothelial growth factor clearance from rabbit eyes. *Invest Ophthalmol Vis Sci.* 52(9), 6162-7(SCI)
  27. Liu, C. H., Chang, F. Y., Hung, D.-K., 2011, Terpenemicroemulsions for transdermal curcumin delivery: Effects of terpenes and cosurfactants, *Colloids and Surfaces B: Biointerfaces*, 82, 63–70 (SCI)
  28. Peng, L.C., Liu, C.H., Kwan, C.C., Huang, K.F., 2010, Optimization of water-in-oil nanoemulsions by mixed surfactants *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 370, 136–142(SCI)
  29. Liu, C. H., Yu, S. Y., 2010, Cationic nanoemulsions as non-viral vectors for plasmid DNA delivery, *Colloids and Surfaces B: Biointerfaces*, 79(2) 509-515(SCI)
  30. Liu, C. H., Wu, C. T., 2010, Optimization of nanostructured lipid carriers for lutein delivery, *Colloids and Surfaces A: Physicochem. Eng. Spects*, 353(2-3) 149-156(SCI)
  31. Liu, C. H., Wu, C. T., Fang, J. Y., 2010, Characterization and formulation optimization of solid lipid nanoparticles in vitamin K1 delivery, *Drug Development and Industrial Pharmacy*, 2010, 36(7), 751-761(SCI)
  32. Liu, C. H., Wu, K. W. Synergistic effects of basic fibroblast growth factor and insulin on Chinese hamster ovary cells under serum-free conditions, 2009, *J. Bioscience and Bioengineering*, 107(3), 312-317(SCI)
  33. Fang, J. Y., Fang, C. L. , Liu, C. H., Su, Y. H., 2008, Lipid nanoparticles as vehicles for topical psoralen delivery: Solid lipid nanoparticles (SLN) versus nanostructured lipid carriers (NLC), *European Journal of Pharmaceutics and Biopharmaceutics*70, 633-640 (SCI)

34. Ho, Y. C., Liu, C. H., Chen, C. N., Duan, K. J., Lin, M. T. 2008, Inhibitory effects of xanthohumol from hops (*Humulus lupulus* L.) on human hepatocellular carcinoma cell lines, *Phytotherapy Research*, 22, 1465–1468 (SCI)
35. Liu, C. H., Chen, L. H. 2007. Recombinant M-CSF production in CHO cells by glycerol addition: model and validation. *Cytotechnology*, 54, 89-96.
36. Liu, C. H., Wu, M. L., Hwang, S.M. 2007, Optimization of serum free medium for cord-blood mesenchymal stem cell. *Biochemical Engineering Journal*, 33, 1-9. (SCI, Rank: 14/114 in Engineering/Chemical, Impact factor: 1.872)
37. Liu, C. H., Wu, P. S. 2007. Optimization of adenoviral production in human embryonic kidney cells Using response surface methodology. *J. Bioscience and Bioengineering*, 103, 405-411. (SCI, Rank: 27/103 in Food science & technology, Impact factor: 1.782)
38. Liu, C. H., Chen, L. H. 2007. Promotion of recombinant macrophage colony stimulating factor production by dimethyl sulfoxide addition in Chinese hamster ovary cells. *J. Bioscience and Bioengineering*, 103, 45-49. (SCI, Rank: 27/103 in Food science & technology, Impact factor: 1.782)
39. Liu, C. H., Chang, T. Y. 2006. Rational development of serum-free medium for Chinese hamster ovary cells. *Process Biochemistry*, 41, 2314-2319. (SCI, Rank: 8/114 in Engineering/Chemical, Impact factor: 2.336)
40. Liu, C. H., Wu, P. S. 2006. Characterization of matrix metalloproteinase expressed by Human Embryonic Kidney cells. *Biotechnology Letters*, 28, 1725-1730. (SCI, Rank: 95/140 in Biotechnology & applied microbiology, Impact factor: 1.134)
41. Liu, C. H., Hwang, S. M. 2005, Cytokine interactions in mesenchymal stem cells from cord blood. *Cytokine* 32, 270-279. (SCI, Rank: 141/262 in Biochemistry& molecular biology, Impact factor: 2.355)
42. Yao, C. L., Liu, C. H., Chu, I. M., Hsieh, T. B., Hwang, S. M. 2003, Factorial designs combined with the steepest ascent method to optimize serum-free media for ex vivo expansion of human hematopoietic progenitor cells. *Enzyme and Microbial Technology*, 33, 343-352. (SCI, Rank: 74/140 in Biotechnology & applied microbiology, Impact factor: 1.897)
43. Liu, C. H., Chu, I. M., Hwang, S. M. 2001, Enhanced expression of various exogenous genes in Chinese hamster ovary cells in presence of dimethyl sulfoxide. *Biotechnol. Lett.* 23, 1641-1645. (SCI, Rank: 32/96 in Food science & technology, Impact factor: 1.136)
44. Liu, C. H., Chu, I. M., Hwang, S. M. 2001, Pentanoic acid, a novel synthesis stimulant for Chinese hamster ovary (CHO ) cells. *J. Bioscience and Bioengineering*, 91(1), 71-75. (SCI, Rank: 32/96 in Food science & technology, Impact factor: 1.136)

45. Liu, C. H., Chu, I. M., Hwang, S. M. 2001, Factorial designs combined with the steepest ascent method to optimize serum-free media for CHO cells. *Enzyme and Microbial Technology*, 28(4), 314-321. (SCI, Rank: 74/140 in Biotechnology & applied microbiology, Impact factor: 1.897)
46. Liu, C. H., Chu, I. M., Hwang, S. M. 2001, Reference recombinant Chinese hamster ovary cell lines. *In Vitro Cell. Dev. Biol.- Animal*, 37, 633-634. (SCI, Impact factor: 0.718)
47. Liu, C. H., Chu, I. M., Hwang, S. M. 2001, Aurin-tricarboxylic acid exerts insulin-like growth stimulating effects on Chinese hamster ovary (CHO) in serum-free conditions. *J. Bioscience and Bioengineering*, 91(6), 576-580. (SCI, Impact factor: 0.948)
48. Liu C. H., Hwang C. F., Liao C. C., 1999, Medium optimization for glutathione production by *Saccharomyces cerevisiae*. *Process Biochemistry*, 34(1), 17-23. (SCI, Impact factor: 1.796)
49. Liu, C. H., Hsu W. H., Lee F. L., Liao C. C., 1996, The isolation and identification of microbes from a fermented tea beverage-Haipao and their interactions during Haipao fermentation. *Food Microbiology*, 16(6),407-415. (SCI, Impact factor: 1.592)
50. Chen W. C., Liu, C. H. 1996, Production of fructofuranosidase by *Aspergillus japonicus*. *Enzyme and Microbial Technology*, 18(2), 153-160. (SCI, Impact factor: 1.705)
51. Liu, C. H., Liao C. C., 1994, Medium optimization for L-phenylalanine production by a tryptophan auxotroph of *Corynebacterium glutamicum*. *Biotechnology Letters*, 16(8), p801-806. (SCI, Impact factor: 1.108)