

Chi-Hsien Liu

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,231
citations

279798

23
h-index

214800

47
g-index

56
all docs

56
docs citations

56
times ranked

3293
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Lipid nanoparticles as vehicles for topical psoralen delivery: Solid lipid nanoparticles (SLN) versus nanostructured lipid carriers (NLC). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 633-640. | 4.3 | 433 |
| 2 | Cytokine interactions in mesenchymal stem cells from cord blood. <i>Cytokine</i> , 2005, 32, 270-279. | 3.2 | 201 |
| 3 | Optimization of nanostructured lipid carriers for lutein delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 353, 149-156. | 4.7 | 170 |
| 4 | Production of Î ² -fructofuranosidase by <i>Aspergillus japonicus</i> . <i>Enzyme and Microbial Technology</i> , 1996, 18, 153-160. | 3.2 | 130 |
| 5 | Optimization of water-in-oil nanoemulsions by mixed surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 370, 136-142. | 4.7 | 130 |
| 6 | Terpene microemulsions for transdermal curcumin delivery: Effects of terpenes and cosurfactants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 63-70. | 5.0 | 120 |
| 7 | Development and Characterization of Eucalyptol Microemulsions for Topic Delivery of Curcumin. <i>Chemical and Pharmaceutical Bulletin</i> , 2011, 59, 172-178. | 1.3 | 80 |
| 8 | Antimicrobial Activity of Curcumin-Loaded Myristic Acid Microemulsions against <i>Staphylococcus epidermidis</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 1118-1124. | 1.3 | 73 |
| 9 | The Preparation of Graphene Oxide-Silver Nanocomposites: The Effect of Silver Loads on Gram-Positive and Gram-Negative Antibacterial Activities. <i>Nanomaterials</i> , 2018, 8, 163. | 4.1 | 63 |
| 10 | Cationic nanoemulsions as non-viral vectors for plasmid DNA delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 509-515. | 5.0 | 51 |
| 11 | Optimization of serum free medium for cord blood mesenchymal stem cells. <i>Biochemical Engineering Journal</i> , 2007, 33, 1-9. | 3.6 | 46 |
| 12 | Factorial designs combined with the steepest ascent method to optimize serum-free media for CHO cells. <i>Enzyme and Microbial Technology</i> , 2001, 28, 314-321. | 3.2 | 41 |
| 13 | Characterization and formulation optimization of solid lipid nanoparticles in vitamin K1 delivery. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 751-761. | 2.0 | 41 |
| 14 | Pentanoic acid, a novel protein synthesis stimulant for chinese hamster ovary (CHO) cells. <i>Journal of Bioscience and Bioengineering</i> , 2001, 91, 71-75. | 2.2 | 40 |
| 15 | Factorial designs combined with the steepest ascent method to optimize serum-free media for ex vivo expansion of human hematopoietic progenitor cells. <i>Enzyme and Microbial Technology</i> , 2003, 33, 343-352. | 3.2 | 40 |
| 16 | Encapsulating curcumin in ethylene diamine-Î ² -cyclodextrin nanoparticle improves topical cornea delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110726. | 5.0 | 35 |
| 17 | In Vitro Anti-Propionibacterium Activity by Curcumin Containing Vesicle System. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 419-425. | 1.3 | 34 |
| 18 | Photosensitizer in lipid nanoparticle: a nano-scaled approach to antibacterial function. <i>Scientific Reports</i> , 2017, 7, 7892. | 3.3 | 32 |

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|----|--|------|-----------|
| 19 | Promotion of recombinant macrophage colony stimulating factor production by dimethyl sulfoxide addition in Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2007, 103, 45-49. | 2.2 | 30 |
| 20 | Novel Lutein Loaded Lipid Nanoparticles on Porcine Corneal Distribution. <i>Journal of Ophthalmology</i> , 2014, 2014, 1-11. | 1.3 | 26 |
| 21 | Biocompatible quantum dot-antibody conjugate for cell imaging, targeting and fluorometric immunoassay: crosslinking, characterization and applications. <i>RSC Advances</i> , 2019, 9, 32791-32803. | 3.6 | 26 |
| 22 | Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1641-1645. | 2.2 | 25 |
| 23 | Acridine orange coated magnetic nanoparticles for nucleus labeling and DNA adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 150-156. | 5.0 | 23 |
| 24 | Quercetin delivery to porcine cornea and sclera by solid lipid nanoparticles and nanoemulsion. <i>RSC Advances</i> , 2015, 5, 100923-100933. | 3.6 | 23 |
| 25 | Electrochemical immunosensor for serum parathyroid hormone using voltammetric techniques and a portable simulator. <i>Analytica Chimica Acta</i> , 2021, 1143, 84-92. | 5.4 | 22 |
| 26 | <i>In Vitro</i> Scleral Lutein Distribution by Cyclodextrin Containing Nanoemulsions. <i>Chemical and Pharmaceutical Bulletin</i> , 2015, 63, 59-67. | 1.3 | 21 |
| 27 | Rational development of serum-free medium for Chinese hamster ovary cells. <i>Process Biochemistry</i> , 2006, 41, 2314-2319. | 3.7 | 20 |
| 28 | Photodynamic inactivation against <i>Pseudomonas aeruginosa</i> by curcumin microemulsions. <i>RSC Advances</i> , 2016, 6, 63013-63022. | 3.6 | 20 |
| 29 | Enhancement of photodynamic inactivation against <i>Pseudomonas aeruginosa</i> by a nano-carrier approach. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 472-480. | 5.0 | 19 |
| 30 | Efficient gene delivery by oligochitosan conjugated serum albumin: Facile synthesis, polyplex stability, and transfection. <i>Carbohydrate Polymers</i> , 2018, 183, 37-49. | 10.2 | 19 |
| 31 | Enhanced recombinant M-CSF production in CHO cells by glycerol addition: model and validation. <i>Cytotechnology</i> , 2007, 54, 89-96. | 1.6 | 15 |
| 32 | Lymphoma cell isolation using multifunctional magnetic nanoparticles: antibody conjugation and characterization. <i>RSC Advances</i> , 2017, 7, 22468-22478. | 3.6 | 15 |
| 33 | Voltammetric biosensor for coronavirus spike protein using magnetic bead and screen-printed electrode for point-of-care diagnostics. <i>Mikrochimica Acta</i> , 2022, 189, 168. | 5.0 | 15 |
| 34 | Adsorption behaviors of DNA by modified magnetic nanoparticles: Effect of spacer and salt. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 184-194. | 4.7 | 13 |
| 35 | Magnetic nanoparticles with fluorescence and affinity for DNA sensing and nucleus staining. <i>RSC Advances</i> , 2017, 7, 5937-5947. | 3.6 | 12 |
| 36 | Protein moiety in oligochitosan modified vector regulates internalization mechanism and gene delivery: Polyplex characterization, intracellular trafficking and transfection. <i>Carbohydrate Polymers</i> , 2018, 202, 143-156. | 10.2 | 12 |

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|----|--|-----|-----------|
| 37 | Increased anti-biofilm efficacy of toluidine blue on <i>Staphylococcus</i> species after nano-encapsulation. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 21, 190-200. | 2.6 | 11 |
| 38 | Gene delivery using layer-by-layer functionalized multi-walled carbon nanotubes: design, characterization, cell line evaluation. <i>Journal of Materials Science</i> , 2021, 56, 7022-7033. | 3.7 | 11 |
| 39 | Electrochemical immunoassay for serum parathyroid hormone using screen-printed carbon electrode and magnetic beads. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115463. | 3.8 | 10 |
| 40 | Optimization of adenoviral production in human embryonic kidney cells using response surface methodology. <i>Journal of Bioscience and Bioengineering</i> , 2007, 103, 406-411. | 2.2 | 9 |
| 41 | Synergistic effects of basic fibroblast growth factor and insulin on Chinese hamster ovary cells under serum-free conditions. <i>Journal of Bioscience and Bioengineering</i> , 2009, 107, 312-317. | 2.2 | 9 |
| 42 | Adsorption of Nattokinase by Amino Acid-Conjugated Magnetic Nanoadsorbents. <i>Separation Science and Technology</i> , 2013, 48, 923-930. | 2.5 | 8 |
| 43 | Oligochitosan modified albumin as plasmid DNA delivery vector: Endocytic trafficking, polyplex fate, in vivo compatibility. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 492-502. | 7.5 | 8 |
| 44 | Characterization of matrix metalloproteinase expressed by human embryonic kidney cells. <i>Biotechnology Letters</i> , 2006, 28, 1725-1730. | 2.2 | 7 |
| 45 | Magnetic purification of plasminogen from human plasma by specific lysine affinity. <i>Journal of Bioscience and Bioengineering</i> , 2011, 112, 219-224. | 2.2 | 7 |
| 46 | The graft survival protection of subcutaneous allogeneic islets with hydrogel grafting and encapsulated by CTLA4Ig and IL1ra. <i>Polymer Journal</i> , 2014, 46, 136-144. | 2.7 | 6 |
| 47 | 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. <i>Journal of Biomedical Optics</i> , 2013, 18, 126013. | 2.6 | 5 |
| 48 | Facile development of medium optimization for antibody production: implementation in spinner flask and hollow fiber reactor. <i>Cytotechnology</i> , 2018, 70, 1631-1642. | 1.6 | 4 |
| 49 | MicroRNA-126 inhibits pathological retinal neovascularization via suppressing vascular endothelial growth factor expression in a rat model of retinopathy of prematurity. <i>European Journal of Pharmacology</i> , 2021, 900, 174035. | 3.5 | 4 |
| 50 | Efficient vitreolysis by combining plasmin and sulfur hexafluoride injection in a preclinical study in rabbit eyes. <i>Molecular Vision</i> , 2012, 18, 2361-70. | 1.1 | 4 |
| 51 | Systemic effects after intravitreal injection of bevacizumab in new born rabbit eyes. <i>Cutaneous and Ocular Toxicology</i> , 2018, 37, 41-51. | 1.3 | 3 |
| 52 | Label-free parathyroid hormone immunosensor using nanocomposite modified carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114917. | 3.8 | 3 |
| 53 | Tetraethylenepentamine-Coated β -Cyclodextrin Nanoparticles for Dual DNA and siRNA Delivery. <i>Pharmaceutics</i> , 2022, 14, 921. | 4.5 | 3 |
| 54 | Facile synthesis of magnetic iron oxide nanoparticles for nattokinase isolation. <i>Food and Bioproducts Processing</i> , 2017, 102, 260-267. | 3.6 | 2 |

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|----|--|-----|-----------|
| 55 | Multivariate analysis of metabolic parameters and optimization of antibody production using high cell density hybridoma in hollow fiber bioreactors. <i>Biotechnology Letters</i> , 2019, 41, 963-977. | 2.2 | 1 |
| 56 | Lens Subluxation after Plasmin and SF6 Injections in Rabbit Eyes. <i>PLoS ONE</i> , 2014, 9, e112957. | 2.5 | 0 |