

Chi-Hsien Liu

List of Publications by Year in descending order

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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	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
2	Tetraethylenepentamine-Coated β -Cyclodextrin Nanoparticles for Dual DNA and siRNA Delivery. <i>Pharmaceutics</i> , 2022, 14, 921.	4.5	3
3	Label-free parathyroid hormone immunosensor using nanocomposite modified carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114917.	3.8	3
4	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
5	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
6	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
7	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
8	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
9	Encapsulating curcumin in ethylene diamine- β -cyclodextrin nanoparticle improves topical cornea delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110726.	5.0	35
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Magnetic nanoparticles with fluorescence and affinity for DNA sensing and nucleus staining. <i>RSC Advances</i> , 2017, 7, 5937-5947.	3.6	12

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19	Facile synthesis of magnetic iron oxide nanoparticles for nattokinase isolation. Food and Bioproducts Processing, 2017, 102, 260-267.	3.6	2
20	Lymphoma cell isolation using multifunctional magnetic nanoparticles: antibody conjugation and characterization. RSC Advances, 2017, 7, 22468-22478.	3.6	15
21	Photosensitizer in lipid nanoparticle: a nano-scaled approach to antibacterial function. Scientific Reports, 2017, 7, 7892.	3.3	32
22	Enhancement of photodynamic inactivation against Pseudomonas aeruginosa by a nano-carrier approach. Colloids and Surfaces B: Biointerfaces, 2016, 140, 472-480.	5.0	19
23	Photodynamic inactivation against Pseudomonas aeruginosa by curcumin microemulsions. RSC Advances, 2016, 6, 63013-63022.	3.6	20
24	<i>In Vitro</i> Scleral Lutein Distribution by Cyclodextrin Containing Nanoemulsions. Chemical and Pharmaceutical Bulletin, 2015, 63, 59-67.	1.3	21
25	Adsorption behaviors of DNA by modified magnetic nanoparticles: Effect of spacer and salt. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 482, 184-194.	4.7	13
26	Quercetin delivery to porcine cornea and sclera by solid lipid nanoparticles and nanoemulsion. RSC Advances, 2015, 5, 100923-100933.	3.6	23
27	Lens Subluxation after Plasmin and SF6 Injections in Rabbit Eyes. PLoS ONE, 2014, 9, e112957.	2.5	0
28	Novel Lutein Loaded Lipid Nanoparticles on Porcine Corneal Distribution. Journal of Ophthalmology, 2014, 2014, 1-11.	1.3	26
29	The graft survival protection of subcutaneous allogeneic islets with hydrogel grafting and encapsulated by CTLA4Ig and IL1ra. Polymer Journal, 2014, 46, 136-144.	2.7	6
30	Acridine orange coated magnetic nanoparticles for nucleus labeling and DNA adsorption. Colloids and Surfaces B: Biointerfaces, 2014, 115, 150-156.	5.0	23
31	Adsorption of Nattokinase by Amino Acid-Conjugated Magnetic Nanoadsorbents. Separation Science and Technology, 2013, 48, 923-930.	2.5	8
32	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. Journal of Biomedical Optics, 2013, 18, 126013.	2.6	5
33	In Vitro Anti-Propionibacterium Activity by Curcumin Containing Vesicle System. Chemical and Pharmaceutical Bulletin, 2013, 61, 419-425.	1.3	34
34	Antimicrobial Activity of Curcumin-Loaded Myristic Acid Microemulsions against <i>Staphylococcus epidermidis</i>. Chemical and Pharmaceutical Bulletin, 2012, 60, 1118-1124.	1.3	73
35	Efficient vitreolysis by combining plasmin and sulfur hexafluoride injection in a preclinical study in rabbit eyes. Molecular Vision, 2012, 18, 2361-70.	1.1	4
36	Development and Characterization of Eucalyptol Microemulsions for Topic Delivery of Curcumin. Chemical and Pharmaceutical Bulletin, 2011, 59, 172-178.	1.3	80

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37	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
38	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
39	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
40	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
41	Cationic nanoemulsions as non-viral vectors for plasmid DNA delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 509-515.	5.0	51
42	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
43	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
44	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
45	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
46	Optimization of serum free medium for cord blood mesenchymal stem cells. <i>Biochemical Engineering Journal</i> , 2007, 33, 1-9.	3.6	46
47	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
48	Enhanced recombinant M-CSF production in CHO cells by glycerol addition: model and validation. <i>Cytotechnology</i> , 2007, 54, 89-96.	1.6	15
49	Characterization of matrix metalloproteinase expressed by human embryonic kidney cells. <i>Biotechnology Letters</i> , 2006, 28, 1725-1730.	2.2	7
50	Rational development of serum-free medium for Chinese hamster ovary cells. <i>Process Biochemistry</i> , 2006, 41, 2314-2319.	3.7	20
51	Cytokine interactions in mesenchymal stem cells from cord blood. <i>Cytokine</i> , 2005, 32, 270-279.	3.2	201
52	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
53	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
54	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1641-1645.	2.2	25

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55	Pentanoic acid, a novel protein synthesis stimulant for chinese hamster ovary (CHO) cells. Journal of Bioscience and Bioengineering, 2001, 91, 71-75.	2.2	40
56	Production of β -fructofuranosidase by <i>Aspergillus japonicus</i> . Enzyme and Microbial Technology, 1996, 18, 153-160.	3.2	130