

Wing-Hin Lee

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,636
citations

201385

27
h-index

264894

42
g-index

46
all docs

46
docs citations

46
times ranked

4436
citing authors

#	ARTICLE	IF	CITATIONS
1	Curcumin and its Derivatives: Their Application in Neuropharmacology and Neuroscience in the 21st Century. <i>Current Neuropharmacology</i> , 2013, 11, 338-378.	1.4	422
2	Recent advances in curcumin nanoformulation for cancer therapy. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1183-1201.	2.4	186
3	Biosynthesis of polyhydroxyalkanoate copolymers from mixtures of plant oils and 3-hydroxyvalerate precursors. <i>Bioresource Technology</i> , 2008, 99, 6844-6851.	4.8	165
4	Combination of Silver Nanoparticles and Curcumin Nanoparticles for Enhanced Anti-biofilm Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2513-2522.	2.4	148
5	Inhalation of nanoparticle-based drug for lung cancer treatment: Advantages and challenges. <i>Asian Journal of Pharmaceutical Sciences</i> , 2015, 10, 481-489.	4.3	133
6	Biosynthesis and Characterization of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from Palm Oil Products in a <i>Wautersia eutropha</i> Mutant. <i>Biotechnology Letters</i> , 2005, 27, 1405-1410.	1.1	132
7	Nano- and micro-based inhaled drug delivery systems for targeting alveolar macrophages. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1009-1026.	2.4	121
8	A review of chemical surface modification of bioceramics: Effects on protein adsorption and cellular response. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 823-834.	2.5	104
9	Controlled biosynthesis and characterization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate-co-3-hydroxyhexanoate) from mixtures of palm kernel oil and 3HV-precursors. <i>Polymer Degradation and Stability</i> , 2008, 93, 17-23.	2.7	101
10	Effects of culture conditions on the composition of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) synthesized by <i>Comamonas acidovorans</i> . <i>Polymer Degradation and Stability</i> , 2004, 84, 129-134.	2.7	87
11	Modulating protein adsorption onto hydroxyapatite particles using different amino acid treatments. <i>Journal of the Royal Society Interface</i> , 2012, 9, 918-927.	1.5	77
12	Superhydrophobic, nanotextured polyvinyl chloride films for delaying <i>Pseudomonas aeruginosa</i> attachment to intubation tubes and medical plastics. <i>Acta Biomaterialia</i> , 2012, 8, 1881-1890.	4.1	74
13	Physico-chemical, mechanical and cytotoxicity characterizations of Laponite®/alginate nanocomposite. <i>Applied Clay Science</i> , 2013, 85, 64-73.	2.6	64
14	Fabrication of Curcumin Micellar Nanoparticles with Enhanced Anti-Cancer Activity. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1093-1105.	0.5	62
15	Synthesis and characterization of hydroxyapatite with different crystallinity: Effects on protein adsorption and release. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1539-1549.	2.1	57
16	The potential to treat lung cancer via inhalation of repurposed drugs. <i>Advanced Drug Delivery Reviews</i> , 2018, 133, 107-130.	6.6	57
17	Hydroxyapatite nanoparticles as vectors for gene delivery. <i>Therapeutic Delivery</i> , 2012, 3, 623-632.	1.2	48
18	Functionalizing the surface of hydroxyapatite drug carrier with carboxylic acid groups to modulate the loading and release of curcumin nanoparticles. <i>Materials Science and Engineering C</i> , 2019, 99, 929-939.	3.8	44

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19	Silver nanoparticles enhance <i>Pseudomonas aeruginosa</i> PAO1 biofilm detachment. Drug Development and Industrial Pharmacy, 2014, 40, 719-729.	0.9	43
20	Layered silicate clay functionalized with amino acids: wound healing application. RSC Advances, 2014, 4, 35332-35343.	1.7	42
21	Non-cytotoxic silver nanoparticle-polyvinyl alcohol hydrogels with anti-biofilm activity: designed as coatings for endotracheal tube materials. Biofouling, 2014, 30, 773-788.	0.8	41
22	Synthesis and Characterization of Inhalable Flavonoid Nanoparticle for Lung Cancer Cell Targeting. Journal of Biomedical Nanotechnology, 2016, 12, 371-386.	0.5	38
23	A novel approach to enhance protein adsorption and cell proliferation on hydroxyapatite: citric acid treatment. RSC Advances, 2013, 3, 4040.	1.7	37
24	Co-spray dried resveratrol and budesonide inhalation formulation for reducing inflammation and oxidative stress in rat alveolar macrophages. European Journal of Pharmaceutical Sciences, 2016, 86, 20-28.	1.9	35
25	Development and Evaluation of Paclitaxel and Curcumin Dry Powder for Inhalation Lung Cancer Treatment. Pharmaceutics, 2021, 13, 9.	2.0	34
26	High protein adsorptive capacity of amino acid- ϵ -functionalized hydroxyapatite. Journal of Biomedical Materials Research - Part A, 2013, 101A, 873-883.	2.1	33
27	In vitro biological activity of resveratrol using a novel inhalable resveratrol spray-dried formulation. International Journal of Pharmaceutics, 2015, 491, 190-197.	2.6	32
28	Nanotoxicologic Effects of PLGA Nanoparticles Formulated with a Cell-Penetrating Peptide: Searching for a Safe pDNA Delivery System for the Lungs. Pharmaceutics, 2019, 11, 12.	2.0	29
29	Osteoblast response to the surface of amino acid- ϵ -functionalized hydroxyapatite. Journal of Biomedical Materials Research - Part A, 2015, 103, 2150-2160.	2.1	22
30	The achievement of ligand-functionalized organic/polymeric nanoparticles for treating multidrug resistant cancer. Expert Opinion on Drug Delivery, 2017, 14, 937-957.	2.4	21
31	Physicochemical Characteristics and In Vitro Toxicity/Anti-SARS-CoV-2 Activity of Favipiravir Solid Lipid Nanoparticles (SLNs). Pharmaceutics, 2021, 14, 1059.	1.7	18
32	Efficient bioconversion of palm acid oil and palm kernel acid oil to poly(3-hydroxybutyrate) by <i>Cupriavidus necator</i> . Canadian Journal of Chemistry, 2008, 86, 533-539.	0.6	17
33	Biological Effects of Simvastatin Formulated as pMDI on Pulmonary Epithelial Cells. Pharmaceutical Research, 2016, 33, 92-101.	1.7	17
34	Delivery of pDNA to lung epithelial cells using PLGA nanoparticles formulated with a cell-penetrating peptide: understanding the intracellular fate. Drug Development and Industrial Pharmacy, 2020, 46, 427-442.	0.9	17
35	Curcumin Nanoparticles Attenuate Production of Pro-inflammatory Markers in Lipopolysaccharide-Induced Macrophages. Pharmaceutical Research, 2016, 33, 315-327.	1.7	16
36	Implications and emerging control strategies for ventilator-associated infections. Expert Review of Anti-Infective Therapy, 2015, 13, 379-393.	2.0	13

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37	Toxicity of curcumin nanoparticles towards alveolar macrophage: Effects of surface charges. Food and Chemical Toxicology, 2022, 163, 112976.	1.8	13
38	Resveratrol solid lipid microparticles as dry powder formulation for nasal delivery, characterization and <i>in vitro</i> deposition study. Journal of Microencapsulation, 2016, 33, 735-742.	1.2	12
39	Sweetening Inhaled Antibiotic Treatment for Eradication of Chronic Respiratory Biofilm Infection. Pharmaceutical Research, 2018, 35, 50.	1.7	11
40	Nanotechnology-based therapeutics for targeting inflammatory lung diseases. Nanomedicine, 2022, 17, 865-879.	1.7	5
41	In situ functionalizing calcium phosphate biomaterials with curcumin for the prevention of bacterial biofilm infections. Colloids and Surfaces B: Biointerfaces, 2021, 206, 111938.	2.5	4
42	Regulating Protein Adsorption onto Hydroxyapatite: Amino Acid Treatment. Key Engineering Materials, 2011, 493-494, 666-671.	0.4	1
43	The Development and Achievement of Polymeric Nanoparticles for Cancer Drug Treatment. , 2017, , 25-82.		1
44	Recent advances in drug formulation development for targeting lung cancer. , 2021, , 75-100.		0
45	Targeting biofilms in chronic respiratory infections using drug delivery systems. , 2020, , 117-146.		0