

# Lee Yong Lim

## List of Publications by Year in descending order

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110  
papers

8,708  
citations

57758

44  
h-index

43889

91  
g-index

110  
all docs

110  
docs citations

110  
times ranked

10713  
citing authors

#	ARTICLE	IF	CITATIONS
1	Implantable applications of chitin and chitosan. <i>Biomaterials</i> , 2003, 24, 2339-2349.	11.4	1,474
2	Uptake and Cytotoxicity of Chitosan Molecules and Nanoparticles: Effects of Molecular Weight and Degree of Deacetylation. <i>Pharmaceutical Research</i> , 2004, 21, 344-353.	3.5	697
3	Herbal Modulation of Pâ€Glycoprotein. <i>Drug Metabolism Reviews</i> , 2004, 36, 57-104.	3.6	355
4	Uptake of FITC-chitosan nanoparticles by A549 cells. <i>Pharmaceutical Research</i> , 2002, 19, 1488-1494.	3.5	353
5	Transfection efficiency of chitosan vectors: Effect of polymer molecular weight and degree of deacetylation. <i>Journal of Controlled Release</i> , 2005, 106, 391-406.	9.9	318
6	Chitosan-alginate PEC membrane as a wound dressing: Assessment of incisional wound healing. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 63, 610-618.	3.1	266
7	Uptake of Chitosan and Associated Insulin in Caco-2 Cell Monolayers: A Comparison Between Chitosan Molecules and Chitosan Nanoparticles. <i>Pharmaceutical Research</i> , 2003, 20, 1812-1819.	3.5	233
8	Pharmacological activity of peroral chitosanâ€insulin nanoparticles in diabetic rats. <i>International Journal of Pharmaceutics</i> , 2005, 293, 271-280.	5.2	211
9	Concurrent production of chitin from shrimp shells and fungi. <i>Carbohydrate Research</i> , 2001, 332, 305-316.	2.3	193
10	Folic Acid-Conjugated Protein Cages of a Plant Virus: A Novel Delivery Platform for Doxorubicin. <i>Bioconjugate Chemistry</i> , 2007, 18, 836-843.	3.6	192
11	Ultrasonication of chitosan and chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2003, 265, 103-114.	5.2	185
12	Formulation pH modulates the interaction of insulin with chitosan nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2002, 91, 1396-1404.	3.3	165
13	RNA aptamers targeting cancer stem cell marker CD133. <i>Cancer Letters</i> , 2013, 330, 84-95.	7.2	157
14	Therapeutic Drugs that Behave as Mechanism-Based Inhibitors of Cytochrome P450 3A4. <i>Current Drug Metabolism</i> , 2004, 5, 415-442.	1.2	156
15	Chitosan-alginate films prepared with chitosans of different molecular weights. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 58, 358-365.	3.1	155
16	Hydroxyapatiteâ€chitin materials as potential tissue engineered bone substitutes. <i>Biomaterials</i> , 2004, 25, 1049-1058.	11.4	141
17	Characterization of chitosan acetate as a binder for sustained release tablets. <i>Journal of Controlled Release</i> , 2004, 99, 15-26.	9.9	137
18	Paclitaxel-loaded PLGA nanoparticles: Potentiation of anticancer activity by surface conjugation with wheat germ agglutinin. <i>Journal of Controlled Release</i> , 2005, 108, 244-262.	9.9	136

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19	Flexible chitin films as potential wound-dressing materials: Wound model studies. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 66A, 224-232.	3.1	127
20	Uptake and cytotoxicity of chitosan nanoparticles in human liver cells. <i>Toxicology and Applied Pharmacology</i> , 2010, 249, 148-157.	2.8	122
21	Impact of Curcumin-Induced Changes in P-Glycoprotein and CYP3A Expression on the Pharmacokinetics of Peroral Celiprolol and Midazolam in Rats. <i>Drug Metabolism and Disposition</i> , 2007, 35, 110-115.	3.3	121
22	Preparation and in vitro anticancer activity of wheat germ agglutinin (WGA)-conjugated PLGA nanoparticles loaded with paclitaxel and isopropyl myristate. <i>Journal of Controlled Release</i> , 2005, 107, 30-42.	9.9	113
23	? Irradiation of chitosan. , 1998, 43, 282-290.		95
24	Chitosan-â€œalginateâ€œ-CaCl <sub>2</sub> system for membrane coat application. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 1134-1142.	3.3	95
25	In vitro and in vivo evaluation of the effects of piperine on P-gp function and expression. <i>Toxicology and Applied Pharmacology</i> , 2008, 230, 283-289.	2.8	94
26	Effects of dry heat and saturated steam on the physical properties of chitosan. , 1999, 48, 111-116.		85
27	Effects of Spice Constituents on P-Glycoprotein-Mediated Transport and CYP3A4-Mediated Metabolism in Vitro. <i>Drug Metabolism and Disposition</i> , 2008, 36, 1283-1290.	3.3	82
28	Mechanistic study of the uptake of wheat germ agglutinin-conjugated PLGA nanoparticles by A549 cells. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 20-28.	3.3	77
29	Wheat germ agglutinin-conjugated PLGA nanoparticles for enhanced intracellular delivery of paclitaxel to colon cancer cells. <i>International Journal of Pharmaceutics</i> , 2010, 400, 201-210.	5.2	72
30	PEC Films Prepared from Chitosan-Alginate Coacervates.. <i>Chemical and Pharmaceutical Bulletin</i> , 2000, 48, 941-946.	1.3	71
31	Chitosan Microspheres Prepared by Emulsification and Ionotropic Gelation. <i>Drug Development and Industrial Pharmacy</i> , 1997, 23, 981-985.	2.0	69
32	Preparation and characterization of chitin beads as a wound dressing precursor. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 54, 59-68.	3.1	67
33	In vitro-reassembled plant virus-like particles for loading of polyacids. <i>Journal of General Virology</i> , 2006, 87, 2749-2754.	2.9	67
34	Insulin-Loaded Calcium Pectinate Nanoparticles: Effects of Pectin Molecular Weight and Formulation pH. <i>Drug Development and Industrial Pharmacy</i> , 2004, 30, 359-367.	2.0	65
35	Nanomedicine-Mediated Therapies to Target Breast Cancer Stem Cells. <i>Frontiers in Pharmacology</i> , 2016, 7, 313.	3.5	64
36	Targeting strategies for drug delivery to the kidney: From renal glomeruli to tubules. <i>Medicinal Research Reviews</i> , 2019, 39, 561-578.	10.5	63

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37	Cytotoxicity of monodispersed chitosan nanoparticles against the Caco-2 cells. <i>Toxicology and Applied Pharmacology</i> , 2012, 262, 273-282.	2.8	58
38	Heat Treatment of Chitosan Films. <i>Drug Development and Industrial Pharmacy</i> , 1995, 21, 839-846.	2.0	56
39	Fibroblast Growth Factor 2â€™A Review of Stabilisation Approaches for Clinical Applications. <i>Pharmaceutics</i> , 2020, 12, 508.	4.5	56
40	Flexible chitin films: structural studies. <i>Carbohydrate Research</i> , 2004, 339, 2701-2711.	2.3	55
41	Effect of Chitosan Salts and Molecular Weight on a Nanoparticulate Carrier for Therapeutic Protein. <i>Pharmaceutical Development and Technology</i> , 2005, 10, 189-196.	2.4	53
42	Paclitaxel-loaded phosphonated calixarene nanovesicles as a modular drug delivery platform. <i>Scientific Reports</i> , 2016, 6, 23489.	3.3	52
43	Doseâ€™Dependent Therapeutic Distinction between Active and Passive Targeting Revealed Using Transferrinâ€™Coated PGMA Nanoparticles. <i>Small</i> , 2016, 12, 351-359.	10.0	51
44	The Effect of Plasticizers on the Properties of Polyvinyl Alcohol Films. <i>Drug Development and Industrial Pharmacy</i> , 1994, 20, 1007-1020.	2.0	48
45	Caffeine and nicotinamide enhances the aqueous solubility of the antimalarial agent halofantrine. <i>European Journal of Pharmaceutical Sciences</i> , 2000, 10, 17-28.	4.0	48
46	Multifunctional nanoparticles for co-delivery of paclitaxel and carboplatin against ovarian cancer by inactivating the JMJD3-HER2 axis. <i>Nanoscale</i> , 2017, 9, 13142-13152.	5.6	46
47	Dietary regulation of P-gp function and expression. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2009, 5, 789-801.	3.3	43
48	Modulation of digoxin transport across Caco-2 cell monolayers by citrus fruit juices: lime, lemon, grapefruit, and pummelo. <i>Pharmaceutical Research</i> , 2003, 20, 169-176.	3.5	42
49	Effects of capsaicin on P-gp function and expression in Caco-2 cells. <i>Biochemical Pharmacology</i> , 2006, 71, 1727-1734.	4.4	42
50	Curcumin, Piperine, and Capsaicin: A Comparative Study of Spice-Mediated Inhibition of Human Cytochrome P450 Isozyme Activities. <i>Drug Metabolism and Disposition</i> , 2017, 45, 49-55.	3.3	42
51	Alginateâ€™C18 Conjugate Nanoparticles Loaded in Tripolyphosphate-Cross-Linked Chitosanâ€™Oleic Acid Conjugate-Coated Calcium Alginate Beads as Oral Insulin Carrier. <i>Molecular Pharmaceutics</i> , 2018, 15, 3369-3382.	4.6	40
52	Storage of partially deacetylated chitosan films. , 1999, 48, 881-888.		36
53	Application of Plant Viruses as Nano Drug Delivery Systems. <i>Pharmaceutical Research</i> , 2010, 27, 2509-2513.	3.5	36
54	Renal targeted delivery of triptolide by conjugation to the fragment peptide of human serum albumin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 363-371.	4.3	34

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55	Effects of citrus fruit juices on cytotoxicity and drug transport pathways of Caco-2 cell monolayers. <i>International Journal of Pharmaceutics</i> , 2006, 307, 42-50.	5.2	33
56	Aqueous-Soluble, Non-Reversible Lipid Conjugate of Salmon Calcitonin: Synthesis, Characterization and In Vivo Activity. <i>Pharmaceutical Research</i> , 2006, 24, 99-110.	3.5	31
57	Spinning Disc Processing Technology: Potential for Large-Scale Manufacture of Chitosan Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4326-4336.	3.3	31
58	Application of multiple stepwise spinning disk processing for the synthesis of poly(methyl acrylates) coated chitosan-diclofenac sodium nanoparticles for colonic drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 303-311.	4.0	31
59	Shear induced carboplatin binding within the cavity of a phospholipid mimic for increased anticancer efficacy. <i>Scientific Reports</i> , 2015, 5, 10414.	3.3	30
60	Accuracy of tablet splitting and liquid measurements: an examination of who, what and how. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 603-612.	2.4	29
61	Chitin-Methacrylate: Preparation, Characterization and Hydrogel Formation. <i>Materials</i> , 2011, 4, 1728-1746.	2.9	28
62	Renal-targeted delivery of triptolide by entrapment in pegylated TRX-20-modified liposomes. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5673-5686.	6.7	28
63	Sugar Profiling of Honeys for Authentication and Detection of Adulterants Using High-Performance Thin Layer Chromatography. <i>Molecules</i> , 2020, 25, 5289.	3.8	28
64	Honey-Based Medicinal Formulations: A Critical Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5159.	2.5	28
65	THE ANTICHOLINESTERASE ACTIVITY OF MEFLOQUINE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1985, 12, 527-531.	1.9	26
66	Propranolol Hydrochloride Binding in Calcium Alginate Beads. <i>Drug Development and Industrial Pharmacy</i> , 1997, 23, 973-980.	2.0	26
67	Effect of magnesium stearate on chitosan microspheres prepared by an emulsification-coacervation technique. <i>Journal of Microencapsulation</i> , 1998, 15, 319-333.	2.8	26
68	Drug release from heat-treated polyvinyl alcohol films. <i>Drug Development and Industrial Pharmacy</i> , 1992, 18, 1895-1906.	2.0	25
69	Preparation and physicochemical characterization of a novel paclitaxel-loaded amphiphilic aminocalixarene nanoparticle platform for anticancer chemotherapy. <i>Journal of Pharmacy and Pharmacology</i> , 2012, 64, 1403-1411.	2.4	22
70	A novel, palatable paediatric oral formulation of midazolam: pharmacokinetics, tolerability, efficacy and safety. <i>Anaesthesia</i> , 2018, 73, 1469-1477.	3.8	21
71	Optimisation of Bee Pollen Extraction to Maximise Extractable Antioxidant Constituents. <i>Antioxidants</i> , 2021, 10, 1113.	5.1	20
72	Development and validation of a LC/TOF MS method for the determination of carboplatin and paclitaxel in nanovesicles. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2659-2667.	3.7	19

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73	Metal ion-responsive nanocarrier derived from phosphonated calix[4]arenes for delivering dauricine specifically to sites of brain injury in a mouse model of intracerebral hemorrhage. <i>Journal of Nanobiotechnology</i> , 2020, 18, 61.	9.1	19
74	Taste evaluation of a novel midazolam tablet for pediatric patients: In vitro drug dissolution, in vivo animal taste aversion and clinical taste perception profiles. <i>International Journal of Pharmaceutics</i> , 2018, 535, 194-200.	5.2	18
75	Dual-responsive, Methotrexate-loaded, Ascorbic acid-derived Micelles Exert Anti-tumor and Anti-metastatic Effects by Inhibiting NF- $\kappa$ B Signaling in an Orthotopic Mouse Model of Human Choriocarcinoma. <i>Theranostics</i> , 2019, 9, 4354-4374.	10.0	17
76	l-Carnitine ester of prednisolone: Pharmacokinetic and pharmacodynamic evaluation of a type I prodrug. <i>International Journal of Pharmaceutics</i> , 2014, 475, 123-129.	5.2	16
77	A validated method for the quantitative determination of sugars in honey using high-performance thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2020, 33, 489-499.	1.2	16
78	A Differential Scanning Calorimetry Study of the Interaction of the Antimalarial Agent Halofantrine with Dipalmitoyl Phosphatidyl Choline Bilayers.. <i>Chemical and Pharmaceutical Bulletin</i> , 1995, 43, 2226-2231.	1.3	15
79	Development and validation of an HPTLC-DPPH assay and its application to the analysis of honey. <i>Journal of Planar Chromatography - Modern TLC</i> , 2020, 33, 301-311.	1.2	15
80	Stability of cefazolin sodium eye drops. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 1998, 23, 41-47.	1.5	13
81	A Comprehensive Survey of Phenolic Constituents Reported in Monofloral Honeys around the Globe. <i>Foods</i> , 2022, 11, 1152.	4.3	13
82	Antioxidant HPTLC-DPPH Fingerprinting of Honeys and Tracking of Antioxidant Constituents upon Thermal Exposure. <i>Foods</i> , 2021, 10, 357.	4.3	12
83	Comparison of Reversible and Nonreversible Aqueous-Soluble Lipidized Conjugates of Salmon Calcitonin. <i>Molecular Pharmaceutics</i> , 2008, 5, 610-621.	4.6	11
84	Lipo-sCT: A novel reversible lipidized salmon calcitonin derivative, its biophysical properties and hypocalcemic activity. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 151-159.	4.0	11
85	Synthesis, Characterization and In Vivo Activity of Salmon Calcitonin Coconjugated With Lipid and Polyethylene Glycol. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1438-1451.	3.3	11
86	Critical material designs for mucus- and mucosa-penetrating oral insulin nanoparticle development. <i>International Materials Reviews</i> , 2023, 68, 121-139.	19.3	11
87	Characterization and biological properties of NanoCUR formulation and its effect on major human cytochrome P450 enzymes. <i>International Journal of Pharmaceutics</i> , 2015, 495, 194-203.	5.2	10
88	An investigation of the suitability of melissopalynology to authenticate Jarrah honey. <i>Current Research in Food Science</i> , 2022, 5, 506-514.	5.8	9
89	Combined Effects of Heat Treatment and Plasticizers on Polyvinyl Alcohol Films. <i>Drug Development and Industrial Pharmacy</i> , 1995, 21, 369-373.	2.0	8
90	Pharmacist-operated drug information centres in Singapore. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 1999, 24, 33-42.	1.5	8

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91	Development of an HPTLC-based dynamic reference standard for the analysis of complex natural products using Jarrah honey as test sample. <i>PLoS ONE</i> , 2021, 16, e0254857.	2.5	8
92	Stabilisation of Recombinant Human Basic Fibroblast Growth Factor (FGF-2) against Stressors Encountered in Medicinal Product Processing and Evaluation. <i>Pharmaceutics</i> , 2021, 13, 1762.	4.5	8
93	HPLC-UV assay of tramadol and O-desmethyltramadol in human plasma containing other drugs potentially co-administered to participants in a paediatric population pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1184, 122971.	2.3	8
94	A Review of the Phytochemistry and Bioactivity of Clover Honeys ( <i>Trifolium</i> spp.). <i>Foods</i> , 2022, 11, 1901.	4.3	8
95	The Antimalarial Agent Halofantrine Perturbs Phosphatidylcholine and Phosphatidylethanolamine Bilayers: a Differential Scanning Calorimetric Study.. <i>Chemical and Pharmaceutical Bulletin</i> , 1999, 47, 732-737.	1.3	6
96	Design, synthesis, characterization and in-vivo activity of a novel salmon calcitonin conjugate containing a novel PEG-lipid moiety. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 296-304.	2.4	6
97	Effect of Chitosan Salts and Molecular Weight on a Nanoparticulate Carrier for Therapeutic Protein. <i>Pharmaceutical Development and Technology</i> , 2005, 10, 189-196.	2.4	6
98	Stability of morphine sulphate in saline under simulated patient administration conditions. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 1997, 22, 405-410.	1.5	5
99	Prior administration of chocolate improves the palatability of bitter drugs: The <sc>Choc&with&Med</sc> study. <i>Journal of Paediatrics and Child Health</i> , 2021, 57, 1267-1273.	0.8	5
100	Colloidal Polymeric Platform for Facile Click-Assisted Ligand Functionalization and Receptor Targeting. <i>ACS Omega</i> , 2016, 1, 1114-1120.	3.5	4
101	Detection of syrup adulterants in manuka and jarrah honey using HPTLC-multivariate data analysis. <i>PeerJ</i> , 2021, 9, e12186.	2.0	4
102	Storage stability of chocolate-based CDS formulations of midazolam and tramadol as whole tablets, quarter sized tablets and as reconstituted aqueous liquids. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102574.	3.0	3
103	Stability of phenoxybenzamine hydrochloride in various vehicles. <i>American Journal of Health-System Pharmacy</i> , 1997, 54, 2073-2078.	1.0	2
104	Stability of admixtures of pethidine and metoclopramide in aqueous solution, 5% dextrose and 0.9% sodium chloride. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 1997, 22, 339-345.	1.5	2
105	Parents&TM perspectives towards paediatric confectionary masked medications: a qualitative study. <i>International Journal of Clinical Pharmacy</i> , 2021, , 1.	2.1	2
106	Development and validation of a high-performance thin-layer chromatography assay for the analysis of tacrolimus ointments. <i>Journal of Planar Chromatography - Modern TLC</i> , 2021, 34, 189-195.	1.2	1
107	Prescribing in a pediatric hospital setting &quot; Lost in translation?. <i>Patient Education and Counseling</i> , 2022, 105, 1614-1619.	2.2	1
108	A randomised controlled trial of a novel tramadol chewable tablet: pharmacokinetics and tolerability in children. <i>Anaesthesia</i> , 2022, , .	3.8	1

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109	Australian Honeypot Ant ( <i>Camponotus inflatus</i> ) Honey – A Comprehensive Analysis of the Physiochemical Characteristics, Bioactivity, and HPTLC Profile of a Traditional Indigenous Australian Food. <i>Molecules</i> , 2022, 27, 2154.	3.8	1
110	Effects of Formulation on the Palatability and Efficacy of In-Feed Praziquantel Medications for Marine Finfish Aquaculture. <i>Marine Drugs</i> , 2022, 20, 323.	4.6	1