

# Warayuth Sajomsang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52  
papers

2,041  
citations

27  
h-index

45  
g-index

53  
ext. papers

2,207  
ext. citations

6.9  
avg, IF

4.85  
L-index

#	Paper	IF	Citations
52	Preparation and characterization of chitin from cicada sloughs. <i>Materials Science and Engineering C</i> , <b>2010</b> , 30, 357-363	8.3	144
51	Anticoagulant activity of a sulfated chitosan. <i>Carbohydrate Research</i> , <b>2002</b> , 337, 1239-42	2.9	136
50	Quaternization of N-aryl chitosan derivatives: synthesis, characterization, and antibacterial activity. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 2502-11	2.9	130
49	Antibacterial activity of quaternary ammonium chitosan containing mono or disaccharide moieties: preparation and characterization. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 44, 419-27	7.9	130
48	Novel quaternized chitosan containing cyclodextrin moiety: Synthesis, characterization and antimicrobial activity. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 905-913	10.3	79
47	Synthetic methods and applications of chitosan containing pyridylmethyl moiety and its quaternized derivatives: A review. <i>Carbohydrate Polymers</i> , <b>2010</b> , 80, 631-647	10.3	76
46	Quaternization of N-(3-pyridylmethyl) chitosan derivatives: Effects of the degree of quaternization, molecular weight and ratio of N-methylpyridinium and N,N,N-trimethyl ammonium moieties on bactericidal activity. <i>Carbohydrate Polymers</i> , <b>2010</b> , 82, 1143-1152	10.3	76
45	Synthesis of methylated chitosan containing aromatic moieties: Chemoselectivity and effect on molecular weight. <i>Carbohydrate Polymers</i> , <b>2008</b> , 72, 740-750	10.3	76
44	Synthesis and antibacterial activity of methylated N-(4-N,N-dimethylaminocinnamyl) chitosan chloride. <i>European Polymer Journal</i> , <b>2009</b> , 45, 2319-2328	5.2	68
43	Antifungal property of quaternized chitosan and its derivatives. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 263-9	7.9	61
42	Water-soluble cyclodextrin grafted with chitosan and its inclusion complex as a mucoadhesive eugenol carrier. <i>Carbohydrate Polymers</i> , <b>2012</b> , 89, 623-31	10.3	59
41	Development of Chitosan-Based pH-Sensitive Polymeric Micelles Containing Curcumin for Colon-Targeted Drug Delivery. <i>AAPS PharmSciTech</i> , <b>2018</b> , 19, 991-1000	3.9	59
40	Synthesis and characterization of N-aryl chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , <b>2008</b> , 43, 79-87	7.9	58
39	Chitosan-triphosphate nanoparticles for encapsulation of super-paramagnetic iron oxide as an MRI contrast agent. <i>Carbohydrate Polymers</i> , <b>2014</b> , 104, 231-7	10.3	57
38	Chitosan-based intelligent theragnosis nanocomposites enable pH-sensitive drug release with MR-guided imaging for cancer therapy. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 467	5	56
37	In vitro permeability enhancement in intestinal epithelial cells (Caco-2) monolayer of water soluble quaternary ammonium chitosan derivatives. <i>AAPS PharmSciTech</i> , <b>2010</b> , 11, 497-508	3.9	51
36	pH-Responsive polymeric micelles based on amphiphilic chitosan derivatives: Effect of hydrophobic cores on oral meloxicam delivery. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 497, 150-60	6.5	45

35	Applications of magnetic resonance spectroscopy to chitin from insect cuticles. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 514-22	7.9	43
34	Synthesis and anticervical cancer activity of novel pH responsive micelles for oral curcumin delivery. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 477, 261-72	6.5	40
33	Synthesis and characterization of pH-responsive N-naphthyl-N,O-succinyl chitosan micelles for oral meloxicam delivery. <i>Carbohydrate Polymers</i> , <b>2015</b> , 121, 99-106	10.3	40
32	Mucoadhesive property and biocompatibility of methylated N-aryl chitosan derivatives. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 945-952	10.3	37
31	N,N,N-Trimethyl chitosan nanoparticles for the delivery of monoclonal antibodies against hepatocellular carcinoma cells. <i>Carbohydrate Polymers</i> , <b>2011</b> , 85, 215-220	10.3	35
30	Self-aggregates formation and mucoadhesive property of water-soluble $\beta$ -cyclodextrin grafted with chitosan. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 48, 589-95	7.9	33
29	Methylated N-(4-N,N-dimethylaminobenzyl) chitosan for novel effective gene carriers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 70, 207-14	5.7	33
28	Methylated N-aryl chitosan derivative/DNA complex nanoparticles for gene delivery: Synthesis and structure-activity relationships. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 743-752	10.3	32
27	Methylated N-(4-pyridinylmethyl) chitosan as a novel effective safe gene carrier. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 364, 127-34	6.5	31
26	Effect of citrate spacer on mucoadhesive properties of a novel water-soluble cationic $\beta$ -cyclodextrin-conjugated chitosan. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 186-194	10.3	29
25	Layer-by-layer engineered nanocapsules of curcumin with improved cell activity. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 492, 92-102	6.5	27
24	Methylated N-(4-N,N-dimethylaminocinnamyl) chitosan-coated electrospray OVA-loaded microparticles for oral vaccination. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 448, 19-27	6.5	27
23	Effects of molecular weight and pyridinium moiety on water-soluble chitosan derivatives for mediated gene delivery. <i>Carbohydrate Polymers</i> , <b>2013</b> , 91, 508-17	10.3	26
22	Loading of curcumin in polyelectrolyte multilayers. <i>Langmuir</i> , <b>2010</b> , 26, 6869-73	4	26
21	Chitosan and its quaternized derivative as effective long dsRNA carriers targeting shrimp virus in <i>Spodoptera frugiperda</i> 9 cells. <i>Journal of Biotechnology</i> , <b>2012</b> , 160, 97-104	3.7	23
20	Methylated N-(4-N,N-dimethylaminobenzyl) chitosan as effective gene carriers: Effect of degree of substitution. <i>Carbohydrate Polymers</i> , <b>2009</b> , 75, 143-149	10.3	20
19	Methylated N-(4-N,N-dimethylaminobenzyl) chitosan, a novel chitosan derivative, enhances paracellular permeability across intestinal epithelial cells (Caco-2). <i>AAPS PharmSciTech</i> , <b>2008</b> , 9, 1143-52	3.9	20
18	Methylated N-(4-N,N-dimethylaminocinnamyl) chitosan enhances paracellular permeability across Caco-2 cells. <i>Drug Delivery</i> , <b>2010</b> , 17, 301-12	7	19

17	Gold/cationic polymer nano-scaffolds mediated transfection for non-viral gene delivery system. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 216-222	10.3	19
16	Phospholipid-chitosan hybrid nanoliposomes promoting cell entry for drug delivery against cervical cancer. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 480, 240-248	9.3	19
15	A comparison of spacer on water-soluble cyclodextrin grafted chitosan inclusion complex as carrier of eugenol to mucosae. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 321-7	10.3	17
14	A water-soluble methylated N-(4-N,N-dimethylaminocinnamyl) chitosan chloride as novel mucoadhesive polymeric nanocomplex platform for sustained-release drug delivery. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 1263-1273	10.3	16
13	Effect of N-pyridinium positions of quaternized chitosan on transfection efficiency in gene delivery system. <i>Carbohydrate Polymers</i> , <b>2014</b> , 104, 17-22	10.3	11
12	Silk Sericin Semi-interpenetrating Network Hydrogels Based on PEG-Diacrylate for Wound Healing Treatment. <i>International Journal of Polymer Science</i> , <b>2019</b> , 2019, 1-10	2.4	11
11	Super-paramagnetic loaded nanoparticles based on biological macromolecules for in vivo targeted MR imaging. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 86, 233-41	7.9	9
10	Synthesis and fluorescence properties of N-substituted 1-cyanobenz[ <i>f</i> ]isoindole chitosan polymers and nanoparticles for live cell imaging. <i>Biomacromolecules</i> , <b>2014</b> , 15, 2879-88	6.9	9
9	Structure-activity relationships of methylated N-aryl chitosan derivatives for enhancing paracellular permeability across Caco-2 cells. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 430-437	10.3	8
8	A kinetic and thermodynamic study of lac dye adsorption on silk yarn coated with microcrystalline chitosan. <i>Coloration Technology</i> , <b>2019</b> , 135, 224-233	2	6
7	Investigation of gene transferring efficacy through nano-polyplex consisting of methylated N-(4-pyridinylmethyl) chitosan chloride and poly(ethylenimine) in human cell lines. <i>Carbohydrate Polymers</i> , <b>2010</b> , 80, 276-284	10.3	6
6	Biocompatibility study of quaternized chitosan on the proliferation and differentiation of Caco-2 cells as an in vitro model of the intestinal barrier. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2017</b> , 32, 92-107	2	5
5	Nano-polyplex as a non-viral gene carrier for the expression of bone morphogenetic protein in osteoblastic cells. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 587-593	10.3	3
4	Polymeric Micelles for Enhanced Solubility of Meloxicam in Oral Drug Delivery. <i>Advanced Materials Research</i> , <b>2014</b> , 1060, 7-11	0.5	0
3	N-Benzyl Chitosan In Situ Forming Antimicrobial Gel for Periodontitis Treatment. <i>Advanced Materials Research</i> , <b>2014</b> , 1060, 159-163	0.5	
2	Application of Methylated N-(4-N,N-Dimethylaminocinnamyl) Chitosan for Oral Protein Drug Delivery. <i>Advanced Materials Research</i> , <b>2012</b> , 506, 465-468	0.5	
1	Physicochemical investigation of the enhanced removal of methylene blue from aqueous solution using polydopamine/silver nanoparticles. <i>Journal of the Textile Institute</i> , 1-12	1.5	