

Vimon Tantishaiyakul

List of Publications by Year in descending order

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papers

630
citations

567281

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times ranked

797
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular modeling simulation and experimental measurements to characterize chitosan and poly(vinyl pyrrolidone) blend interactions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1258-1264.	2.1	41
2	Prediction of solubility parameters using partial least square regression. <i>International Journal of Pharmaceutics</i> , 2006, 325, 8-14.	5.2	40
3	Thermosensitive Poloxamer 407/Poly(Acrylic Acid) Hydrogels with Potential Application as Injectable Drug Delivery System. <i>AAPS PharmSciTech</i> , 2018, 19, 2103-2117.	3.3	39
4	Characterization of muco- and bioadhesive properties of chitosan, PVP, and chitosan/PVP blends and release of amoxicillin from alginate beads coated with chitosan/PVP. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 408-418.	2.0	38
5	Experimental FTIR and theoretical studies of gallic acid-acetonitrile clusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 93-100.	3.9	37
6	Fabrication of pluronic and methylcellulose for etidronate delivery and their application for osteogenesis. <i>International Journal of Pharmaceutics</i> , 2016, 499, 110-118.	5.2	31
7	Characterization of supramolecular gels based on β -cyclodextrin and polyethyleneglycol and their potential use for topical drug delivery. <i>Materials Science and Engineering C</i> , 2015, 50, 242-250.	7.3	30
8	Characterization of Cimetidine-Piroxicam Coprecipitate Interaction Using Experimental Studies and Molecular Dynamic Simulations. <i>AAPS PharmSciTech</i> , 2010, 11, 952-958.	3.3	29
9	Prediction of aqueous solubility of organic salts of diclofenac using PLS and molecular modeling. <i>International Journal of Pharmaceutics</i> , 2004, 275, 133-139.	5.2	27
10	Exploring potential cofomers for oxyresveratrol using principal component analysis. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119630.	5.2	23
11	Characterization of mefenamic acid-guaiacol ester: stability and transport across Caco-2 cell monolayers. <i>Pharmaceutical Research</i> , 2002, 19, 1013-1018.	3.5	20
12	ATR-FTIR characterization of transport properties of benzoic acid ion-pairs in silicone membranes. <i>International Journal of Pharmaceutics</i> , 2004, 283, 111-116.	5.2	20
13	Thermosensitive Polymer Blend Composed of Poloxamer 407, Poloxamer 188 and Polycarbophil for the Use as Mucoadhesive In Situ Gel. <i>Polymers</i> , 2022, 14, 1836.	4.5	20
14	The effect of the preservative methylparaben on the thermoresponsive gelation behavior of aqueous solutions of poloxamer 407. <i>Journal of Molecular Liquids</i> , 2017, 240, 622-629.	4.9	19
15	Crystal Structure Transformations and Dissolution Studies of Cimetidine-Piroxicam Coprecipitates and Physical Mixtures. <i>AAPS PharmSciTech</i> , 2009, 10, 789-795.	3.3	16
16	Prediction of the aqueous solubility of benzylamine salts using QSPR model. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 411-415.	2.8	15
17	Micro-DSC, rheological and NMR investigations of the gelation of gallic acid and xyloglucan. <i>Soft Matter</i> , 2012, 8, 7258.	2.7	14
18	Microphase Separation and Gelation of Methylcellulose in the Presence of Gallic Acid and NaCl as an In Situ Gel-Forming Drug Delivery System. <i>AAPS PharmSciTech</i> , 2017, 18, 605-616.	3.3	14

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19	Characterization of κ -carrageenan/methylcellulose/cellulose nanocrystal hydrogels for 3D bioprinting. <i>Polymer International</i> , 2022, 71, 181-191.	3.1	14
20	Effect of Eriochrome Black T on the gelatinization of xyloglucan investigated using rheological measurement and release behavior of Eriochrome Black T from xyloglucan gel matrices. <i>International Journal of Pharmaceutics</i> , 2010, 388, 196-201.	5.2	13
21	3,4,5-Trihydroxybenzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o787-o787.	0.2	13
22	In situ mucoadhesive hydrogel based on methylcellulose/xyloglucan for periodontitis. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 531-542.	2.4	13
23	Structural characterization using SAXS and rheological behaviors of pluronic F127 and methylcellulose blends. <i>Polymer Bulletin</i> , 2021, 78, 1175-1187.	3.3	12
24	Use of Drifts and PLS for the Determination of Polymorphs of Piroxicam Alone and in Combination with Pharmaceutical Excipients: A Technical Note. <i>AAPS PharmSciTech</i> , 2008, 9, 95-99.	3.3	11
25	A Supramolecular Gel Based on κ -Hydroxystearic Acid/Virgin Coconut Oil for Injectable Drug Delivery. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1800178.	1.5	10
26	Characterization of freeze-dried gallic acid/xyloglucan. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 194-200.	2.0	8
27	The effect of poly(acrylic acid) on temperature-dependent behaviors and structural evolution of poloxamer 407. <i>Polymer International</i> , 2021, 70, 1282-1289.	3.1	8
28	Experimental and Computational Studies of Epithelial Transport of Mefenamic Acid Ester Prodrugs. <i>Pharmaceutical Research</i> , 2005, 22, 721-727.	3.5	7
29	Novel in situ mucoadhesive gels based on Pluronic F127 and xyloglucan containing metronidazole for treatment of periodontal disease. <i>Iranian Polymer Journal (English Edition)</i> , 2017, 26, 851-859.	2.4	7
30	Investigation of the efficiency of gelation of melamine with the positional isomers of aminobenzoic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 446, 118-126.	4.7	6
31	Preparation and characterization of κ -carrageenan and xyloglucan blends for sustained release of a hydrophilic drug. <i>Polymer Bulletin</i> , 2015, 72, 1647-1661.	3.3	5
32	Nano-structure, phase transition and morphology of gallic acid and xyloglucan hydrogel. <i>Polymer Bulletin</i> , 2016, 73, 2211-2226.	3.3	5
33	Micellization and gelation characteristics of different blends of pluronic F127/methylcellulose and their use as mucoadhesive in situ gel for periodontitis. <i>Polymer Bulletin</i> , 2022, 79, 4515-4534.	3.3	5
34	Development and characterization of pluronic F127 and methylcellulose based hydrogels for 3D bioprinting. <i>Polymer Bulletin</i> , 2023, 80, 4555-4572.	3.3	5
35	Glabridin. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3501-o3501.	0.2	4
36	Prediction of P-gp/ATPase interaction and rhodamine 123 efflux inhibitory activities of propafenone analogs using PLS statistics. <i>Computational and Theoretical Chemistry</i> , 2005, 718, 183-189.	1.5	3

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37	SAXS and ATR-FTIR studies on EBTâ€“TSX mixtures in their solâ€“gel phases. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 423-430.	7.5	3
38	Syntheses and crystal structures of hydrated and anhydrous 1:2 cocrystals of oxyresveratrol and zwitterionic proline. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 1528-1534.	0.5	3
39	Chemometric and Experimental Investigations of Organogelation Based on β -Cyclodextrin. <i>Advanced Materials Research</i> , 2014, 1060, 133-136.	0.3	2