Ping I Lee

List of Publications by Year
in descending order

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59 papers	2,773 citations	186265 28 h-index	175258 52 g-index
61 all docs	61 docs citations	61 times ranked	2660 citing authors

#	Article	IF	Citations
1	Kinetics of drug release from hydrogel matrices. Journal of Controlled Release, 1985, 2, 277-288.	9.9	338
2	Prediction of polymer dissolution in swellable controlled-release systems. Journal of Controlled Release, 1987, 6, 207-215.	9.9	167
3	Evolution of Supersaturation of Amorphous Pharmaceuticals: The Effect of Rate of Supersaturation Generation. Molecular Pharmaceutics, 2013, 10, 4330-4346.	4.6	151
4	pH-dependent swelling and solute diffusion characteristics of poly(hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (methacry	3.5	126
5	Probing the mechanisms of drug release from amorphous solid dispersions in medium-soluble and medium-insoluble carriers. Journal of Controlled Release, 2015, 211, 85-93.	9.9	124
6	Probing the mechanisms of drug release from hydroxypropylmethyl cellulose matrices. Pharmaceutical Research, 1994, 11, 1379-1384.	3.5	120
7	Probing the mechanisms of drug release from hydrogels. Journal of Controlled Release, 1991, 16, 229-236.	9.9	119
8	Novel Approach to Zero-order Drug Delivery Via Immobilized Nonuniform Drug Distribution in Glassy Hydrogels. Journal of Pharmaceutical Sciences, 1984, 73, 1344-1347.	3.3	111
9	Investigation on drug solubility enhancement using deep eutectic solvents and their derivatives. International Journal of Pharmaceutics, 2016, 505, 283-288.	5.2	106
10	Effect of non-uniform initial drug concentration distribution on the kinetics of drug release from glassy hydrogel matrices. Polymer, 1984, 25, 973-978.	3.8	102
11	Controlled Nitric Oxide Delivery Platform Based onS-Nitrosothiol Conjugated Interpolymer Complexes for Diabetic Wound Healing. Molecular Pharmaceutics, 2010, 7, 254-266.	4.6	87
12	Initial concentration distribution as a mechanism for regulating drug release from diffusion controlled and surface erosion controlled matrix systems. Journal of Controlled Release, 1986, 4, 1-7.	9.9	79
13	Enhanced kinetic solubility profiles of indomethacin amorphous solid dispersions in poly(2-hydroxyethyl methacrylate) hydrogels. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 149-158.	4.3	66
14	Enhancement of dissolution rate through eutectic mixture and solid solution of posaconazole and benznidazole. International Journal of Pharmaceutics, 2017, 525, 32-42.	5.2	59
15	Solid molecular dispersions of poorly water-soluble drugs in poly(2-hydroxyethyl methacrylate) hydrogels. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 65, 320-328.	4.3	56
16	Haste Makes Waste: The Interplay Between Dissolution and Precipitation of Supersaturating Formulations. AAPS Journal, 2015, 17, 1317-1326.	4.4	56
17	Modeling of drug release from matrix systems involving moving boundaries: Approximate analytical solutions. International Journal of Pharmaceutics, 2011, 418, 18-27.	5.2	54
18	A Potent, Covalent Inhibitor of Orotidine 5â€˜-Monophosphate Decarboxylase with Antimalarial Activity. Journal of Medicinal Chemistry, 2007, 50, 915-921.	6.4	53

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19	Composite poly(vinyl alcohol) beads for controlled drug delivery. Pharmaceutical Research, 1992, 09, 10-16.	3.5	50
20	Preparation and characterization of thermal- and pH-sensitive nanospheres. Pharmaceutical Research, 1993, 10, 1544-1547.	3.5	50
21	Preparation and characterization of inulin ester microspheres as drug carriers. Journal of Applied Polymer Science, 2000, 77, 833-840.	2.6	49
22	A new bioerodible polymer insert for the controlled release of metronidazole. Pharmaceutical Research, 1994, 11, 1605-1609.	3.5	44
23	Evolution of Supersaturation of Amorphous Pharmaceuticals: Nonlinear Rate of Supersaturation Generation Regulated by Matrix Diffusion. Molecular Pharmaceutics, 2015, 12, 1203-1215.	4.6	44
24	Hepatic clearance concepts and misconceptions: Why the well-stirred model is still used even though it is not physiologic reality?. Biochemical Pharmacology, 2019, 169, 113596.	4.4	43
25	Programmable drug delivery from an erodible association polymer system. Pharmaceutical Research, 1993, 10, 1144-1152.	3.5	36
26	Effect of Extent of Supersaturation on the Evolution of Kinetic Solubility Profiles. Molecular Pharmaceutics, 2017, 14, 206-220.	4.6	35
27	Combined Effects of Supersaturation Rates and Doses on the Kinetic-Solubility Profiles of Amorphous Solid Dispersions Based on Water-Insoluble Poly(2-hydroxyethyl methacrylate) Hydrogels. Molecular Pharmaceutics, 2018, 15, 2017-2026.	4.6	35
28	Crosslinked hydrogelsâ€"a promising class of insoluble solid molecular dispersion carriers for enhancing the delivery of poorly soluble drugs. Acta Pharmaceutica Sinica B, 2014, 4, 26-36.	12.0	33
29	Enhanced delivery of fixed-dose combination of synergistic antichagasic agents posaconazole-benznidazole based on amorphous solid dispersions. European Journal of Pharmaceutical Sciences, 2018, 119, 208-218.	4.0	27
30	Hydrophobic anionic gel beads for swelling-controlled drug delivery. Pharmaceutical Research, 1992, 09, 195-199.	3.5	26
31	Impact of phase separation morphology on release mechanism of amorphous solid dispersions. European Journal of Pharmaceutical Sciences, 2019, 136, 104955.	4.0	24
32	Swelling and dissolution kinetics during peptide release from erodible anionic gel beads. Pharmaceutical Research, 1993, 10, 980-985.	3.5	22
33	Effect of loading on swelling-controlled drug release from hydrophobic polyelectrolyte gel beads. Pharmaceutical Research, 1992, 09, 1268-1274.	3.5	21
34	A comparative investigation of hepatic clearance models: Predictions of metabolite formation and elimination. Journal of Pharmacokinetics and Pharmacodynamics, 1992, 20, 105-145.	0.6	18
35	Synthesis and characterization of suspension-polymerized poly(vinyl alcohol) beads with coreâ€"shell structure. Journal of Applied Polymer Science, 1992, 46, 2147-2157.	2.6	18
36	Elucidating the effect of crystallization on drug release from amorphous solid dispersions in soluble and insoluble carriers. International Journal of Pharmaceutics, 2020, 591, 120005.	5.2	18

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37	Effect of geometry on solvent front penetration in glassy polymers. Journal of Membrane Science, 1992, 65, 77-92.	8.2	17
38	Comment on a paper by Hurung-Rern Lee, Tsai-An Yu, and Yu-Der Lee. Macromolecules, 1990, 23, 3868-3868.	4.8	16
39	A new bioerodible system for sustained local drug delivery based on hydrolytically activated in situ macromolecular association. International Journal of Pharmaceutics, 2010, 383, 45-52.	5.2	15
40	Evolution of supersaturation from amorphous solid dispersions in water-insoluble polymer carriers: Effects of swelling capacity and interplay between partition and diffusion. International Journal of Pharmaceutics, 2020, 581, 119292.	5.2	15
41	Release mechanisms of a sparingly water-soluble drug from controlled porosity-osmotic pump pellets using sulfobutylether-Î²-cyclodextrin as both a solubilizing and osmotic agent. Journal of Pharmaceutical Sciences, 2009, 98, 1992-2000.	3.3	14
42	Effect of sample size on Case II diffusion of methanol in poly(methyl methacrylate) beads. Polymer, 2006, 47, 7726-7730.	3.8	12
43	Solid dispersions to enhance the delivery of a potential drug candidate LPSF/FZ4 for the treatment of schistosomiasis. European Journal of Pharmaceutical Sciences, 2018, 115, 270-285.	4.0	11
44	Swelling effect of semicrystalline poly(vinyl alcohol) in hydrogen peroxide. Journal of Applied Polymer Science, 1991, 42, 3077-3082.	2.6	10
45	Temperature dependence of methanol transport in spherical PMMA beads. Polymer, 1993, 34, 2397-2400.	3.8	10
46	Finding T_{max}and C_{max}in Multicompartmental Models. Drug Metabolism and Disposition, 2018, 46, 1796-1804.	3.3	10
47	Swelling-induced zero-order release from rubbery polydimethylsiloxane beads. Journal of Controlled Release, 1992, 18, 19-24.	9.9	8
48	Sorption and transport of ethanol and water in poly(ethylene-co-vinyl acetate) membranes. Journal of Membrane Science, 1992, 69, 223-234.	8.2	8
49	Overview of Controlled-Release Drug Delivery. ACS Symposium Series, 1987, , 1-13.	0.5	7
50	A Mechanistic Model for Predicting the Physical Stability of Amorphous Solid Dispersions. Journal of Pharmaceutical Sciences, 2021, 110, 1495-1512.	3.3	6
51	On the usefulness of sink index in characterizing the degree of nonsinkness in dissolution studies. International Journal of Pharmaceutics, 2021, 605, 120845.	5.2	6
52	Poly(vinyl alcohol) membrane systems for the controlled release of chlorinated isocyanurates. Journal of Applied Polymer Science, 1993, 50, 941-947.	2.6	5
53	Constant-Rate Drug Release from Novel Anionic Gel Beads with Transient Composite Structure. Journal of Pharmaceutical Sciences, 1993, 82, 964-967.	3.3	5
54	Enhanced and Retarded Drug Release from Hydrophobic Ionic Beads. Journal of Macromolecular Science - Pure and Applied Chemistry, 1996, 33, 1227-1238.	2.2	4

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55	Applications of Dynamic Mechanical Analysis in the Engineering of Amorphous Solid Dispersions. Pharmaceutical Fronts, 2020, 02, e55-e63.	0.8	3
56	Swelling-controlled release, swelling/erosion mechanisms, and front synchronization: comments on the paper by Devi et al. Pharmaceutical Research, 1990, 07, 431-432.	3.5	2
57	Comments on â€œModeling the controlled release of drug embedded in a plate-like polymer matrixâ€•by Lin et al.. Chemical Engineering Science, 2005, 60, 7172-7173.	3.8	1
58	A rotating disk electrokinetic method for characterizing polyelectrolyte pharmaceutical gels. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 199-206.	4.3	1
59	Kinetics of Drug Release from Glassy Polymers: Effect of Initially Nonuniform Drug Distribution. , 1985, , 79-85.		1