Lynne S Taylor

List of Publications by Citations

349 papers	16,456 citations	66 h-index	110 g-index
482 ext. papers	18,591 ext. citations	5.7 avg, IF	7.3 L-index

#	Paper	IF	Citations
349	Spectroscopic characterization of interactions between PVP and indomethacin in amorphous molecular dispersions. *Pharmaceutical Research*, **1997**, 14, 1691-8	4.5	696
348	Theoretical and practical approaches for prediction of drug-polymer miscibility and solubility. *Pharmaceutical Research*, **2006**, 23, 2417-26	4.5	433
347	A classification system to assess the crystallization tendency of organic molecules from undercooled melts. *Journal of Pharmaceutical Sciences*, **2010**, 99, 3787-806	3.9	422
346	Estimation of drug-polymer miscibility and solubility in amorphous solid dispersions using experimentally determined interaction parameters. *Pharmaceutical Research*, **2009**, 26, 139-51	4.5	371
345	Understanding the behavior of amorphous pharmaceutical systems during dissolution. *Pharmaceutical Research*, **2010**, 27, 608-18	4.5	352
344	Evaluation of amorphous solid dispersion properties using thermal analysis techniques. *Advanced Drug Delivery Reviews*, **2012**, 64, 396-421	18.5	311
343	Influence of different polymers on the crystallization tendency of molecularly dispersed amorphous felodipine. *Journal of Pharmaceutical Sciences*, **2006**, 95, 2692-705	3.9	296
342	Effect of polymer type on the dissolution profile of amorphous solid dispersions containing felodipine. *European Journal of Pharmaceutics and Biopharmaceutics*, **2008**, 70, 493-9	5.7	287
341	A comparison of the physical stability of amorphous felodipine and nifedipine systems. *Pharmaceutical Research*, **2006**, 23, 2306-16	4.5	226
340	Liquid□liquid Phase Separation in Highly Supersaturated Aqueous Solutions of Poorly Water-Soluble Drugs: Implications for Solubility Enhancing Formulations. *Crystal Growth and Design* , **2013**, 13, 1497-1509	3.5	215
339	Dissolution and precipitation behavior of amorphous solid dispersions. *Journal of Pharmaceutical Sciences*, **2011**, 100, 3316-3331	3.9	204
338	Physical chemistry of supersaturated solutions and implications for oral absorption. *Advanced Drug Delivery Reviews*, **2016**, 101, 122-142	18.5	200
337	The quantitative analysis of crystallinity using FT-Raman spectroscopy. *Pharmaceutical Research*, **1998**, 15, 755-61	4.5	198
336	Maintaining Supersaturation in Aqueous Drug Solutions: Impact of Different Polymers on Induction Times. *Crystal Growth and Design*, **2013**, 13, 740-751	3.5	177
335	Phase behavior of poly(vinylpyrrolidone) containing amorphous solid dispersions in the presence of moisture. *Molecular Pharmaceutics*, **2009**, 6, 1492-505	5.6	176
334	Understanding Polymer Properties Important for Crystal Growth Inhibition□Impact of Chemically Diverse Polymers on Solution Crystal Growth of Ritonavir. *Crystal Growth and Design*, **2012**, 12, 3133-3143	3.5	170
333	Mixing behavior of colyophilized binary systems. *Journal of Pharmaceutical Sciences*, **1998**, 87, 694-701	3.9	162

332	Effect of temperature and moisture on the miscibility of amorphous dispersions of felodipine and poly(vinyl pyrrolidone). *Journal of Pharmaceutical Sciences*, **2010**, 99, 169-85	3.9	157
331	Sugar-polymer hydrogen bond interactions in lyophilized amorphous mixtures. *Journal of Pharmaceutical Sciences*, **1998**, 87, 1615-21	3.9	153
330	Evaluation of drug-polymer miscibility in amorphous solid dispersion systems. *Pharmaceutical Research*, **2009**, 26, 2523-34	4.5	149
329	Kinetic study of catechin stability: effects of pH, concentration, and temperature. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 12531-9	5.7	144
328	Fourier transform Raman spectroscopic study of the interaction of water vapor with amorphous polymers. *Journal of Pharmaceutical Sciences*, **2001**, 90, 888-901	3.9	142
327	Effect of polymer hygroscopicity on the phase behavior of amorphous solid dispersions in the presence of moisture. *Molecular Pharmaceutics*, **2010**, 7, 477-90	5.6	136
326	Effects of polymer type and storage relative humidity on the kinetics of felodipine crystallization from amorphous solid dispersions. *Pharmaceutical Research*, **2009**, 26, 2599-606	4.5	133
325	Crystallization tendency of active pharmaceutical ingredients following rapid solvent evaporation--classification and comparison with crystallization tendency from undercooled melts. *Journal of Pharmaceutical Sciences*, **2010**, 99, 3826-38	3.9	128
324	Crystallization of amorphous solid dispersions of resveratrol during preparation and storage-Impact of different polymers. *Journal of Pharmaceutical Sciences*, **2013**, 102, 171-84	3.9	124
323	Ability of different polymers to inhibit the crystallization of amorphous felodipine in the presence of moisture. *Pharmaceutical Research*, **2008**, 25, 969-78	4.5	123
322	Crystallization Monitoring by Raman Spectroscopy:Simultaneous Measurement of Desupersaturation Profile and Polymorphic Form in Flufenamic Acid Systems. *Industrial & Engineering Chemistry Research*, **2005**, 44, 1233-1240	3.9	123
321	Both solubility and chemical stability of curcumin are enhanced by solid dispersion in cellulose derivative matrices. *Carbohydrate Polymers*, **2013**, 98, 1108-16	10.3	122
320	Enhancements and limits in drug membrane transport using supersaturated solutions of poorly water soluble drugs. *Journal of Pharmaceutical Sciences*, **2014**, 103, 2736-2748	3.9	121
319	Use of in-line near-infrared spectroscopy in combination with chemometrics for improved understanding of pharmaceutical processes. *Analytical Chemistry*, **2005**, 77, 556-63	7.8	120
318	A spectroscopic investigation of hydrogen bond patterns in crystalline and amorphous phases in dihydropyridine calcium channel blockers. *Pharmaceutical Research*, **2002**, 19, 477-83	4.5	119
317	Water-solids interactions: deliquescence. *Annual Review of Food Science and Technology*, **2010**, 1, 41-63	14.7	111
316	pH-Induced precipitation behavior of weakly basic compounds: determination of extent and duration of supersaturation using potentiometric titration and correlation to solid state properties. *Pharmaceutical Research*, **2012**, 29, 2738-53	4.5	104
315	Pharmaceutical Applications of Cellulose Ethers and Cellulose Ether Esters. *Biomacromolecules*, **2018**, 19, 2351-2376	6.9	102

314	In-line monitoring of hydrate formation during wet granulation using Raman spectroscopy. *Journal of Pharmaceutical Sciences*, **2005**, 94, 209-19	3.9	100
313	Characterizing the Impact of Hydroxypropylmethyl Cellulose on the Growth and Nucleation Kinetics of Felodipine from Supersaturated Solutions. *Crystal Growth and Design*, **2012**, 12, 1538-1547	3.5	98
312	Role of polymer chemistry in influencing crystal growth rates from amorphous felodipine. *CrystEngComm*, **2010**, 12, 2390	3.3	98
311	Understanding the tendency of amorphous solid dispersions to undergo amorphous-amorphous phase separation in the presence of absorbed moisture. *AAPS PharmSciTech*, **2011**, 12, 1209-19	3.9	96
310	Assessment of the amorphous "solubility" of a group of diverse drugs using new experimental and theoretical approaches. *Molecular Pharmaceutics*, **2015**, 12, 484-95	5.6	93
309	Exploiting the Phenomenon of Liquid-Liquid Phase Separation for Enhanced and Sustained Membrane Transport of a Poorly Water-Soluble Drug. *Molecular Pharmaceutics*, **2016**, 13, 2059-69	5.6	93
308	Solid dispersion of quercetin in cellulose derivative matrices influences both solubility and stability. *Carbohydrate Polymers*, **2013**, 92, 2033-40	10.3	90
307	Evaluation of solid-state forms present in tablets by Raman spectroscopy. *Journal of Pharmaceutical Sciences*, **2000**, 89, 1342-53	3.9	89
306	Dissolution of Danazol Amorphous Solid Dispersions: Supersaturation and Phase Behavior as a Function of Drug Loading and Polymer Type. *Molecular Pharmaceutics*, **2016**, 13, 223-31	5.6	87
305	Small scale screening to determine the ability of different polymers to inhibit drug crystallization upon rapid solvent evaporation. *Molecular Pharmaceutics*, **2010**, 7, 1328-37	5.6	87
304	Impact of surfactants on the crystallization of aqueous suspensions of celecoxib amorphous solid dispersion spray dried particles. *Molecular Pharmaceutics*, **2015**, 12, 533-41	5.6	86
303	Inhibition of solution crystal growth of ritonavir by cellulose polymers Ffactors influencing polymer effectiveness. *CrystEngComm*, **2012**, 14, 6503	3.3	84
302	Role of salt and excipient properties on disproportionation in the solid-state. *Pharmaceutical Research*, **2009**, 26, 2015-26	4.5	83
301	Impact of Solubilizing Additives on Supersaturation and Membrane Transport of Drugs. *Pharmaceutical Research*, **2015**, 32, 3350-64	4.5	82
300	Effect of molecular weight, temperature, and additives on the moisture sorption properties of polyethylene glycol. *Journal of Pharmaceutical Sciences*, **2010**, 99, 154-68	3.9	82
299	A comparison of alternative polymer excipients and processing methods for making solid dispersions of a poorly water soluble drug. *International Journal of Pharmaceutics*, **2001**, 222, 139-51	6.5	82
298	Impact of polymers on crystal growth rate of structurally diverse compounds from aqueous solution. *Molecular Pharmaceutics*, **2013**, 10, 2381-93	5.6	81
297	Recrystallization of nifedipine and felodipine from amorphous molecular level solid dispersions containing poly(vinylpyrrolidone) and sorbed water. *Pharmaceutical Research*, **2008**, 25, 647-56	4.5	80

296	Dissolution Performance of High Drug Loading Celecoxib Amorphous Solid Dispersions Formulated with Polymer Combinations. *Pharmaceutical Research*, **2016**, 33, 739-50	4.5	79
295	Glass-liquid phase separation in highly supersaturated aqueous solutions of telaprevir. *Molecular Pharmaceutics*, **2015**, 12, 496-503	5.6	79
294	Relationship between amorphous solid dispersion in vivo absorption and in vitro dissolution: phase behavior during dissolution, speciation, and membrane mass transport. *Journal of Controlled Release*, **2018**, 292, 172-182	11.7	77
293	Deliquescence Lowering in Food Ingredient Mixtures. *Journal of Food Science*, **2006**, 71, E10-E16	3.4	76
292	Role of viscosity in influencing the glass-forming ability of organic molecules from the undercooled melt state. *Pharmaceutical Research*, **2012**, 29, 271-84	4.5	73
291	Degradation kinetics of catechins in green tea powder: effects of temperature and relative humidity. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 6082-90	5.7	72
290	pH-Dependent Liquid-Liquid Phase Separation of Highly Supersaturated Solutions of Weakly Basic Drugs. *Molecular Pharmaceutics*, **2015**, 12, 2365-77	5.6	71
289	Effect of polymers on nucleation and crystal growth of amorphous acetaminophen. *CrystEngComm*, **2012**, 14, 5188	3.3	69
288	Nanoscale mid-infrared imaging of phase separation in a drug-polymer blend. *Journal of Pharmaceutical Sciences*, **2012**, 101, 2066-73	3.9	69
287	Influence of additives on the properties of nanodroplets formed in highly supersaturated aqueous solutions of ritonavir. *Molecular Pharmaceutics*, **2013**, 10, 3392-403	5.6	69
286	Non-Sink Dissolution Conditions for Predicting Product Quality and In Vivo Performance of Supersaturating Drug Delivery Systems. *Journal of Pharmaceutical Sciences*, **2016**, 105, 2477-2488	3.9	69
285	Characterization of the phase transitions of trehalose dihydrate on heating and subsequent dehydration. *Journal of Pharmaceutical Sciences*, **1998**, 87, 347-55	3.9	68
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283	Physical stability of crystal hydrates and their anhydrates in the presence of excipients. *Journal of Pharmaceutical Sciences*, **2006**, 95, 446-61	3.9	66
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281	Improved understanding of factors contributing to quantification of anhydrate/hydrate powder mixtures. *Applied Spectroscopy*, **2005**, 59, 942-51	3.1	64
280	Airborne chemistry coupled to Raman spectroscopy. *Analytical Chemistry*, **2003**, 75, 2177-80	7.8	64
279	Tailoring supersaturation from amorphous solid dispersions. *Journal of Controlled Release*, **2018**, 279, 114-125	11.7	63

278	Selective detection and quantitation of organic molecule crystallization by second harmonic generation microscopy. *Analytical Chemistry*, **2010**, 82, 5425-32	7.8	62
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276	Application of mid-IR spectroscopy for the characterization of pharmaceutical systems. *International Journal of Pharmaceutics*, **2011**, 417, 3-16	6.5	61
275	Trends in the precipitation and crystallization behavior of supersaturated aqueous solutions of poorly water-soluble drugs assessed using synchrotron radiation. *Journal of Pharmaceutical Sciences*, **2015**, 104, 1981-1992	3.9	60
274	Deliquescence in binary mixtures. *Pharmaceutical Research*, **2005**, 22, 318-24	4.5	60
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272	An ab initiopolymer selection methodology to prevent crystallization in amorphous solid dispersions by application of crystal engineering principles. *CrystEngComm*, **2011**, 13, 6171	3.3	59
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270	Insights into the Dissolution Mechanism of Ritonavir-Copovidone Amorphous Solid Dispersions: Importance of Congruent Release for Enhanced Performance. *Molecular Pharmaceutics*, **2019**, 16, 1327-1339	5.6	56
269	Congruent release of drug and polymer: A "sweet spot" in the dissolution of amorphous solid dispersions. *Journal of Controlled Release*, **2019**, 298, 68-82	11.7	56
268	Stability and solubility enhancement of ellagic acid in cellulose ester solid dispersions. *Carbohydrate Polymers*, **2013**, 92, 1443-50	10.3	56
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266	Effect of Binary Additive Combinations on Solution Crystal Growth of the Poorly Water-Soluble Drug, Ritonavir. *Crystal Growth and Design*, **2012**, 12, 6050-6060	3.5	55
265	The effect of temperature on hydrogen bonding in crystalline and amorphous phases in dihydropyrine calcium channel blockers. *Pharmaceutical Research*, **2002**, 19, 484-90	4.5	55
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259	Comparison of sampling techniques for in-line monitoring using Raman spectroscopy. *Applied Spectroscopy*, **2005**, 59, 934-41	3.1	53
258	Bile Salts as Crystallization Inhibitors of Supersaturated Solutions of Poorly Water-Soluble Compounds. *Crystal Growth and Design*, **2015**, 15, 2593-2597	3.5	52
257	Influence of particle size on the ultraviolet spectrum of particulate-containing solutions: implications for in-situ concentration monitoring using UV/Vis fiber-optic probes. *Pharmaceutical Research*, **2011**, 28, 1643-52	4.5	52
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255	Application of partial least-squares (PLS) modeling in quantifying drug crystallinity in amorphous solid dispersions. *International Journal of Pharmaceutics*, **2010**, 398, 155-60	6.5	51
254	Effects of anticaking agents and storage conditions on the moisture sorption, caking, and flowability of deliquescent ingredients. *Food Research International*, **2012**, 45, 369-380	7	50
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250	Dropwise additive manufacturing of pharmaceutical products for melt-based dosage forms. *Journal of Pharmaceutical Sciences*, **2015**, 104, 1641-9	3.9	48
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248	Investigating the Interaction Pattern and Structural Elements of a Drug-Polymer Complex at the Molecular Level. *Molecular Pharmaceutics*, **2015**, 12, 2459-68	5.6	47
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240	Factors influencing crystal growth rates from undercooled liquids of pharmaceutical compounds. *Journal of Physical Chemistry B*, **2014**, 118, 9974-82	3.4	44
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238	Synthesis and structure-property evaluation of cellulose Ecarboxyesters for amorphous solid dispersions. *Carbohydrate Polymers*, **2014**, 100, 116-25	10.3	44
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233	Dropwise additive manufacturing of pharmaceutical products for solvent-based dosage forms. *Journal of Pharmaceutical Sciences*, **2014**, 103, 496-506	3.9	42
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231	Interaction of environmental moisture with powdered green tea formulations: effect on catechin chemical stability. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 4068-77	5.7	41
230	Influence of alkali metal counterions on the glass transition temperature of amorphous indomethacin salts. *Pharmaceutical Research*, **2002**, 19, 649-54	4.5	41
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226	Influence of polymeric excipients on crystal hydrate formation kinetics in aqueous slurries. *Journal of Pharmaceutical Sciences*, **2008**, 97, 5198-211	3.9	40
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219	Effect of substrates on naproxen-polyvinylpyrrolidone solid dispersions formed via the drop printing technique. *Journal of Pharmaceutical Sciences*, **2013**, 102, 638-48	3.9	38
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216	Improved Release of Celecoxib from High Drug Loading Amorphous Solid Dispersions Formulated with Polyacrylic Acid and Cellulose Derivatives. *Molecular Pharmaceutics*, **2016**, 13, 873-84	5.6	37
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213	Origin of Nanodroplet Formation Upon Dissolution of an Amorphous Solid Dispersion: A Mechanistic Isotope Scrambling Study. *Journal of Pharmaceutical Sciences*, **2017**, 106, 1998-2008	3.9	36
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209	Insights into Nano- and Micron-Scale Phase Separation in Amorphous Solid Dispersions Using Fluorescence-Based Techniques in Combination with Solid State Nuclear Magnetic Resonance Spectroscopy. *Pharmaceutical Research*, **2017**, 34, 1364-1377	4.5	35
208	Influence of Polymers on the Crystal Growth Rate of Felodipine: Correlating Adsorbed Polymer Surface Coverage to Solution Crystal Growth Inhibition. *Langmuir*, **2015**, 31, 11279-87	4	35
207	Characterization of Supersaturated Danazol Solutions - Impact of Polymers on Solution Properties and Phase Transitions. *Pharmaceutical Research*, **2016**, 33, 1276-88	4.5	35

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194	Using Environment-Sensitive Fluorescent Probes to Characterize Liquid-Liquid Phase Separation in Supersaturated Solutions of Poorly Water Soluble Compounds. *Pharmaceutical Research*, **2015**, 32, 3660-73	4.5	32
193	Analysis of counterfeit Cialis® tablets using Raman microscopy and multivariate curve resolution. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 66, 126-35	3.5	32
192	Evaluation of the Crystal Growth Rate of Felodipine Polymorphs in the Presence and Absence of Additives As a Function of Temperature. *Crystal Growth and Design*, **2013**, 13, 4349-4354	3.5	32
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