

Changquan Calvin Sun

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.

223 papers	7,983 citations	47 h-index	80 g-index
231 ext. papers	9,303 ext. citations	4.7 avg, IF	7.01 L-index

#	Paper	IF	Citations
223	Polymorphs, Salts, and Cocrystals: What's in a Name?. <i>Crystal Growth and Design</i> , 2012 , 12, 2147-2152	3.5	595
222	Characterization of thermal behavior of deep eutectic solvents and their potential as drug solubilization vehicles. <i>International Journal of Pharmaceutics</i> , 2009 , 378, 136-9	6.5	339
221	Improving Mechanical Properties of Caffeine and Methyl Gallate Crystals by Cocrystallization. <i>Crystal Growth and Design</i> , 2008 , 8, 1575-1579	3.5	260
220	Evaluation of the effects of tableting speed on the relationships between compaction pressure, tablet tensile strength, and tablet solid fraction. <i>Journal of Pharmaceutical Sciences</i> , 2005 , 94, 465-72	3.9	236
219	Influence of crystal structure on the tableting properties of sulfamerazine polymorphs. <i>Pharmaceutical Research</i> , 2001 , 18, 274-80	4.5	225
218	Decoding Powder Tableability: Roles of Particle Adhesion and Plasticity. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 483-499	2	187
217	Materials science tetrahedron--a useful tool for pharmaceutical research and development. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 1671-87	3.9	165
216	Cocrystallization for successful drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2013 , 10, 201-13	8	159
215	Mechanism of moisture induced variations in true density and compaction properties of microcrystalline cellulose. <i>International Journal of Pharmaceutics</i> , 2008 , 346, 93-101	6.5	159
214	Simultaneously improving the mechanical properties, dissolution performance, and hygroscopicity of ibuprofen and flurbiprofen by cocrystallization with nicotinamide. <i>Pharmaceutical Research</i> , 2012 , 29, 1854-65	4.5	148
213	True density of microcrystalline cellulose. <i>Journal of Pharmaceutical Sciences</i> , 2005 , 94, 2132-4	3.9	144
212	Reduced tableability of roller compacted granules as a result of granule size enlargement. <i>Journal of Pharmaceutical Sciences</i> , 2006 , 95, 200-6	3.9	134
211	Understanding the relationship between crystal structure, plasticity and compaction behaviour of theophylline, methyl gallate, and their 1 : 1 co-crystal. <i>CrystEngComm</i> , 2010 , 12, 2466	3.3	130
210	Quantifying effects of particulate properties on powder flow properties using a ring shear tester. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 4030-9	3.9	109
209	Setting the bar for powder flow properties in successful high speed tableting. <i>Powder Technology</i> , 2010 , 201, 106-108	5.2	103
208	Effects of initial particle size on the tableting properties of L-lysine monohydrochloride dihydrate powder. <i>International Journal of Pharmaceutics</i> , 2001 , 215, 221-8	6.5	92
207	Improved tableting properties of p-hydroxybenzoic acid by water of crystallization: a molecular insight. <i>Pharmaceutical Research</i> , 2004 , 21, 382-6	4.5	91

206	Correlation Among Crystal Structure, Mechanical Behavior, and Tableability in the Co-Crystals of Vanillin Isomers. <i>Crystal Growth and Design</i> , 2015 , 15, 1827-1832	3.5	90
205	Direct correlation among crystal structure, mechanical behaviour and tableability in a trimorphic molecular compound. <i>CrystEngComm</i> , 2012 , 14, 3865	3.3	87
204	Development of a high drug load tablet formulation based on assessment of powder manufacturability: moving towards quality by design. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 239-479	3.9	87
203	A critical Examination of the Phenomenon of Bonding Area - Bonding Strength Interplay in Powder Tableting. <i>Pharmaceutical Research</i> , 2016 , 33, 1126-32	4.5	84
202	Profoundly improving flow properties of a cohesive cellulose powder by surface coating with nano-silica through comilling. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 4943-52	3.9	78
201	Influence of elastic deformation of particles on Heckel analysis. <i>Pharmaceutical Development and Technology</i> , 2001 , 6, 193-200	3.4	76
200	A novel method for deriving true density of pharmaceutical solids including hydrates and water-containing powders. <i>Journal of Pharmaceutical Sciences</i> , 2004 , 93, 646-53	3.9	72
199	Resveratrol cocrystals with enhanced solubility and tableability. <i>International Journal of Pharmaceutics</i> , 2016 , 509, 391-399	6.5	67
198	Overcoming poor tableability of pharmaceutical crystals by surface modification. <i>Pharmaceutical Research</i> , 2011 , 28, 3248-55	4.5	66
197	On the identification of slip planes in organic crystals based on attachment energy calculation. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 3456-61	3.9	65
196	Quantifying effects of moisture content on flow properties of microcrystalline cellulose using a ring shear tester. <i>Powder Technology</i> , 2016 , 289, 104-108	5.2	63
195	Origin of Deteriorated Crystal Plasticity and Compaction Properties of a 1:1 Cocrystal between Piroxicam and Saccharin. <i>Crystal Growth and Design</i> , 2014 , 14, 3864-3874	3.5	63
194	Mini review: Mechanisms to the loss of tableability by dry granulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 106, 9-14	5.7	62
193	Validation and applications of an expedited tablet friability method. <i>International Journal of Pharmaceutics</i> , 2015 , 484, 146-55	6.5	61
192	Impact of Crystal Habit on Biopharmaceutical Performance of Celecoxib. <i>Crystal Growth and Design</i> , 2013 , 13, 2824-2832	3.5	61
191	Exceptionally Elastic Single-Component Pharmaceutical Crystals. <i>Chemistry of Materials</i> , 2019 , 31, 1794-1799	5.9	59
190	Enhancing Bioavailability of Dihydromyricetin through Inhibiting Precipitation of Soluble Cocrystals by a Crystallization Inhibitor. <i>Crystal Growth and Design</i> , 2016 , 16, 5030-5039	3.5	56
189	Ionized form of acetaminophen with improved compaction properties. <i>CrystEngComm</i> , 2012 , 14, 2389-2390	3.9	55

188	Sweet Berberine. <i>Crystal Growth and Design</i> , 2016 , 16, 933-939	3.5	54
187	Kinetic Entrapment of a Hidden Curcumin Cocrystal with Phloroglucinol. <i>Crystal Growth and Design</i> , 2014 , 14, 5079-5089	3.5	54
186	Superior Plasticity and Tableability of Theophylline Monohydrate. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2047-2055	5.6	53
185	Twistable Pharmaceutical Crystal Exhibiting Exceptional Plasticity and Tableability. <i>Chemistry of Materials</i> , 2019 , 31, 3818-3822	9.6	51
184	Insensitivity of compaction properties of brittle granules to size enlargement by roller compaction. <i>Journal of Pharmaceutical Sciences</i> , 2007 , 96, 1445-50	3.9	51
183	Improved solid-state stability of salts by cocrystallization between conjugate acidBase pairs. <i>CrystEngComm</i> , 2013 , 15, 5756	3.3	49
182	Identifying Slip Planes in Organic Polymorphs by Combined Energy Framework Calculations and Topology Analysis. <i>Crystal Growth and Design</i> , 2018 , 18, 1909-1916	3.5	48
181	Origin of profound changes in powder properties during wetting and nucleation stages of high-shear wet granulation of microcrystalline cellulose. <i>Powder Technology</i> , 2011 , 208, 663-668	5.2	48
180	The landscape of mechanical properties of molecular crystals. <i>CrystEngComm</i> , 2020 , 22, 1149-1153	3.3	48
179	Microstructure of Tablet-Pharmaceutical Significance, Assessment, and Engineering. <i>Pharmaceutical Research</i> , 2017 , 34, 918-928	4.5	47
178	Development of highly stabilized curcumin nanoparticles by flash nanoprecipitation and lyophilization. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 94, 436-49	5.7	47
177	Crystal and Particle Engineering Strategies for Improving Powder Compression and Flow Properties to Enable Continuous Tablet Manufacturing by Direct Compression. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 968-974	3.9	47
176	Dependence of ejection force on tableting speedA compaction simulation study. <i>Powder Technology</i> , 2015 , 279, 123-126	5.2	46
175	Transforming powder mechanical properties by core/shell structure: compressible sand. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 4458-62	3.9	45
174	The suitability of common compressibility equations for characterizing plasticity of diverse powders. <i>International Journal of Pharmaceutics</i> , 2017 , 532, 124-130	6.5	44
173	A material-sparing method for simultaneous determination of true density and powder compaction properties--aspartame as an example. <i>International Journal of Pharmaceutics</i> , 2006 , 326, 94-9	6.5	43
172	Dapagliflozin-citric acid cocrystal showing better solid state properties than dapagliflozin. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 104, 255-261	5.1	42
171	Relationships among Crystal Structures, Mechanical Properties, and Tableting Performance Probed Using Four Salts of Diphenhydramine. <i>Crystal Growth and Design</i> , 2017 , 17, 6030-6040	3.5	42

170	Massing in high shear wet granulation can simultaneously improve powder flow and deteriorate powder compaction: a double-edged sword. <i>European Journal of Pharmaceutical Sciences</i> , 2011 , 43, 50-6	5.1	42
169	Designing micellar nanocarriers with improved drug loading and stability based on solubility parameter. <i>Molecular Pharmaceutics</i> , 2015 , 12, 816-25	5.6	41
168	The development of carbamazepine-succinic acid cocrystal tablet formulations with improved in vitro and in vivo performance. <i>Drug Development and Industrial Pharmacy</i> , 2016 , 42, 969-76	3.6	41
167	Improving manufacturability of an ibuprofen powder blend by surface coating with silica nanoparticles. <i>Powder Technology</i> , 2013 , 249, 290-296	5.2	41
166	Mechanism and Kinetics of Punch Sticking of Pharmaceuticals. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 151-158	3.9	41
165	Improving powder flow properties of citric acid by crystal hydration. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 1744-9	3.9	41
164	Preparation and characterization of surface-engineered coarse microcrystalline cellulose through dry coating with silica nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 4258-66	3.9	40
163	Influence of crystal structure on the tableting properties of n-alkyl 4-hydroxybenzoate esters (parabens). <i>Journal of Pharmaceutical Sciences</i> , 2007 , 96, 3324-33	3.9	40
162	Near-infrared chemical imaging (NIR-CI) as a process monitoring solution for a production line of roll compaction and tableting. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 93, 293-302	5.7	39
161	Reproducibility of flow properties of microcrystalline cellulose Avicel PH102. <i>Powder Technology</i> , 2011 , 212, 253-257	5.2	39
160	Computational Techniques for Predicting Mechanical Properties of Organic Crystals: A Systematic Evaluation. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1732-1741	5.6	38
159	Effect of Crystal Habit on Intrinsic Dissolution Behavior of Celecoxib Due to Differential Wettability. <i>Crystal Growth and Design</i> , 2014 , 14, 5283-5292	3.5	38
158	Roles of granule size in over-granulation during high shear wet granulation. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 3322-5	3.9	38
157	Powder properties and compaction parameters that influence punch sticking propensity of pharmaceuticals. <i>International Journal of Pharmaceutics</i> , 2017 , 521, 374-383	6.5	37
156	Tablets of multi-unit pellet system for controlled drug delivery. <i>Journal of Controlled Release</i> , 2017 , 262, 222-231	11.7	37
155	From molecular salt to pseudo CAB cocrystal: Expanding solid-state landscape of carboxylic acids based on charge-assisted COOH...COO ⁻ hydrogen bonds. <i>Journal of Molecular Structure</i> , 2015 , 1099, 516-522	3.4	36
154	A new tablet brittleness index. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 93, 260-65.7	5.7	36
153	Assessment of the relative performance of a confined impinging jets mixer and a multi-inlet vortex mixer for curcumin nanoparticle production. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 462-71	5.7	36

152	Comparative analyses of flow and compaction properties of diverse mannitol and lactose grades. <i>International Journal of Pharmaceutics</i> , 2018 , 546, 39-49	6.5	33
151	The relationship among tensile strength, Young's modulus, and indentation hardness of pharmaceutical compacts. <i>Powder Technology</i> , 2018 , 331, 1-6	5.2	32
150	Compaction properties of L-lysine salts. <i>Pharmaceutical Research</i> , 2001 , 18, 281-6	4.5	32
149	Improving solid-state properties of berberine chloride through forming a salt cocrystal with citric acid. <i>International Journal of Pharmaceutics</i> , 2019 , 554, 14-20	6.5	32
148	Enabling tablet product development of 5-fluorocytosine through integrated crystal and particle engineering. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 1126-32	3.9	31
147	Protonation of Cytosine: Cytosinium vs Hemicytosinium Duplexes. <i>Crystal Growth and Design</i> , 2013 , 13, 429-432	3.5	31
146	Initial moisture content in raw material can profoundly influence high shear wet granulation process. <i>International Journal of Pharmaceutics</i> , 2011 , 416, 43-8	6.5	31
145	Understanding size enlargement and hardening of granules on tableability of unlubricated granules prepared by dry granulation. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 758-66	3.9	31
144	Thermal expansion of organic crystals and precision of calculated crystal density: a survey of Cambridge Crystal Database. <i>Journal of Pharmaceutical Sciences</i> , 2007 , 96, 1043-52	3.9	31
143	Macroindentation hardness measurement-Modernization and applications. <i>International Journal of Pharmaceutics</i> , 2016 , 506, 262-7	6.5	31
142	Gaining insight into tablet capping tendency from compaction simulation. <i>International Journal of Pharmaceutics</i> , 2017 , 524, 111-120	6.5	30
141	Improving Dissolution Rate of Carbamazepine-Glutaric Acid Cocrystal Through Solubilization by Excess Coformer. <i>Pharmaceutical Research</i> , 2017 , 35, 4	4.5	30
140	Particle Engineering for Enabling a Formulation Platform Suitable for Manufacturing Low-Dose Tablets by Direct Compression. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 1772-1777	3.9	28
139	Expedited development of a high dose orally disintegrating metformin tablet enabled by sweet salt formation with acesulfame. <i>International Journal of Pharmaceutics</i> , 2017 , 532, 435-443	6.5	28
138	Quantifying errors in tableting data analysis using the Ryshkewitch equation due to inaccurate true density. <i>Journal of Pharmaceutical Sciences</i> , 2005 , 94, 2061-8	3.9	28
137	Direct Compression Tablet Containing 99% Active Ingredient-A Tale of Spherical Crystallization. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 1396-1400	3.9	28
136	Design and synthesis of solid state structures with conjugate acidBase pair interactions. <i>CrystEngComm</i> , 2012 , 14, 3851	3.3	27
135	Solid-state characterization of optically pure (+)Dihydromyricetin extracted from <i>Ampelopsis grossedentata</i> leaves. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 245-252	6.5	27

134	Lubrication with magnesium stearate increases tablet brittleness. <i>Powder Technology</i> , 2017 , 309, 126-132	3.2	26
133	Preparation, Characterization, and Formulation Development of Drug-Drug Protic Ionic Liquids of Diphenhydramine with Ibuprofen and Naproxen. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4190-4201	5.6	26
132	Tabletability Modulation Through Surface Engineering. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 2645-8	3.9	25
131	Design, synthesis, and characterization of new 5-fluorocytosine salts. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2462-6	5.6	25
130	Process optimization of dry granulation based tableting line: Extracting physical material characteristics from granules, ribbons and tablets using near-IR (NIR) spectroscopic measurement. <i>Powder Technology</i> , 2016 , 300, 120-125	5.2	25
129	Polymer Nanocoating of Amorphous Drugs for Improving Stability, Dissolution, Powder Flow, and Tabletability: The Case of Chitosan-Coated Indomethacin. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1305-1311	5.6	24
128	Dependence of tablet brittleness on tensile strength and porosity. <i>International Journal of Pharmaceutics</i> , 2015 , 493, 208-13	6.5	24
127	Significant Expansion of the Solid State Landscape of Salicylic Acid Based on Charge-Assisted Hydrogen Bonding Interactions. <i>Crystal Growth and Design</i> , 2015 , 15, 24-28	3.5	24
126	Systematic evaluation of common lubricants for optimal use in tablet formulation. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 117, 118-127	5.1	24
125	Dependence of Friability on Tablet Mechanical Properties and a Predictive Approach for Binary Mixtures. <i>Pharmaceutical Research</i> , 2017 , 34, 2901-2909	4.5	23
124	Harvesting Potential Dissolution Advantages of Soluble Cocrystals by Depressing Precipitation Using the Common Coformer Effect. <i>Crystal Growth and Design</i> , 2016 , 16, 6719-6721	3.5	23
123	Cocrystallization of Curcumin with Benzenediols and Benzenetriols via Rapid Solvent Removal. <i>Crystal Growth and Design</i> , 2018 , 18, 5534-5546	3.5	23
122	The phenomenon of tablet flashing ¶ts impact on tableting data analysis and a method to eliminate it. <i>Powder Technology</i> , 2017 , 305, 117-124	5.2	23
121	Origin of two modes of non-isothermal crystallization of glasses produced by milling. <i>Pharmaceutical Research</i> , 2012 , 29, 1020-32	4.5	23
120	Conformation Directed Interaction Anisotropy Leading to Distinct Bending Behaviors of Two ROY Polymorphs. <i>Crystal Growth and Design</i> , 2020 , 20, 4764-4769	3.5	23
119	Dependence of Punch Sticking on Compaction Pressure-Roles of Particle Deformability and Tablet Tensile Strength. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2060-2067	3.9	22
118	Tableting performance of various mannitol and lactose grades assessed by compaction simulation and chemometrical analysis. <i>International Journal of Pharmaceutics</i> , 2019 , 566, 24-31	6.5	22
117	Crystal Growth of Celecoxib from Amorphous State: Polymorphism, Growth Mechanism, and Kinetics. <i>Crystal Growth and Design</i> , 2019 , 19, 3592-3600	3.5	21

116	Cocrystal Engineering of Itraconazole with Suberic Acid via Rotary Evaporation and Spray Drying. <i>Crystal Growth and Design</i> , 2019 , 19, 2736-2745	3.5	21
115	Design and Preparation of a 4:1 Lamivudine:Oxalic Acid CAB Cocrystal for Improving the Lamivudine Purification Process. <i>Crystal Growth and Design</i> , 2014 , 14, 3990-3995	3.5	21
114	Mechanical Properties and Tableting Behavior of Amorphous Solid Dispersions. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 217-223	3.9	21
113	On the mechanism of reduced tableability of granules prepared by roller compaction. <i>International Journal of Pharmaceutics</i> , 2008 , 347, 171-2; author reply 173-4	6.5	21
112	Enabling direct compression of formulated Danshen powder by surface engineering. <i>Powder Technology</i> , 2013 , 241, 211-218	5.2	20
111	A formulation strategy for solving the overgranulation problem in high shear wet granulation. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 2434-40	3.9	20
110	Evolution of structure and properties of granules containing microcrystalline cellulose and polyvinylpyrrolidone during high-shear wet granulation. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 207-15	3.9	20
109	Extended Release of Highly Water Soluble Isoniazid Attained through Cocrystallization with Curcumin. <i>Crystal Growth and Design</i> , 2020 , 20, 1951-1960	3.5	19
108	Synthon preference in O-protonated amide crystals: Dominance of short strong hydrogen bonds. <i>CrystEngComm</i> , 2013 , 15, 8941	3.3	18
107	Effect of screw profile and processing conditions on physical transformation and chemical degradation of gabapentin during twin-screw melt granulation. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 131, 243-253	5.1	17
106	Expedited Development of Diphenhydramine Orally Disintegrating Tablet through Integrated Crystal and Particle Engineering. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3399-3408	5.6	17
105	The manufacture of low-dose oral solid dosage form to support early clinical studies using an automated micro-filing system. <i>AAPS PharmSciTech</i> , 2011 , 12, 88-95	3.9	17
104	Cocrystal engineering of pharmaceutical solids: therapeutic potential and challenges. <i>CrystEngComm</i> ,	3.3	17
103	Modulating Sticking Propensity of Pharmaceuticals Through Excipient Selection in a Direct Compression Tablet Formulation. <i>Pharmaceutical Research</i> , 2018 , 35, 113	4.5	16
102	A classification system for tableting behaviors of binary powder mixtures. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016 , 11, 486-491	9	16
101	Effects of thermal binders on chemical stabilities and tableability of gabapentin granules prepared by twin-screw melt granulation. <i>International Journal of Pharmaceutics</i> , 2019 , 559, 37-47	6.5	16
100	Mechanism for the Reduced Dissolution of Ritonavir Tablets by Sodium Lauryl Sulfate. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 516-524	3.9	16
99	Cubosomes with surface cross-linked chitosan exhibit sustained release and bioavailability enhancement for vinpocetine.. <i>RSC Advances</i> , 2019 , 9, 6287-6298	3.7	15

98	Solvent and additive interactions as determinants in the nucleation pathway: general discussion. <i>Faraday Discussions</i> , 2015 , 179, 383-420	3.6	15
97	Robust bulk preparation and characterization of sulfamethazine and saccharine salt and cocrystal polymorphs. <i>CrystEngComm</i> , 2019 , 21, 2089-2096	3.3	15
96	Correction for Polymorphs, Salts and Cocrystals: What's in a Name?. <i>Crystal Growth and Design</i> , 2012 , 12, 4290-4291	3.5	15
95	Structural Origins of Elastic and 2D Plastic Flexibility of Molecular Crystals Investigated with Two Polymorphs of Conformationally Rigid Coumarin. <i>Chemistry of Materials</i> , 2021 , 33, 1053-1060	9.6	15
94	Self-templating accelerates precipitation of carbamazepine dihydrate during the dissolution of a soluble carbamazepine cocrystal. <i>CrystEngComm</i> , 2017 , 19, 1156-1159	3.3	14
93	Recent Advances in Co-processed APIs and Proposals for Enabling Commercialization of These Transformative Technologies. <i>Molecular Pharmaceutics</i> , 2020 , 17, 2232-2244	5.6	14
92	Mitigating Punch Sticking Propensity of Celecoxib by Cocrystallization: An Integrated Computational and Experimental Approach. <i>Crystal Growth and Design</i> , 2020 , 20, 4217-4223	3.5	14
91	Analytical method development for powder characterization: Visualization of the critical drug loading affecting the processability of a formulation for direct compression. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 128, 462-468	3.5	14
90	Confused HCl: hydrogen chloride or hydrochloric acid?. <i>Chemistry - A European Journal</i> , 2012 , 18, 6462-4	4.8	14
89	A study of sulfamerazine single crystals using atomic force microscopy, transmission light microscopy, and Raman spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2005 , 94, 1881-92	3.9	14
88	Microstructures and pharmaceutical properties of ferulic acid agglomerates prepared by different spherical crystallization methods. <i>International Journal of Pharmaceutics</i> , 2020 , 574, 118914	6.5	14
87	A systematic evaluation of dual functionality of sodium lauryl sulfate as a tablet lubricant and wetting enhancer. <i>International Journal of Pharmaceutics</i> , 2018 , 552, 139-147	6.5	14
86	Tensile and shear methods for measuring strength of bilayer tablets. <i>International Journal of Pharmaceutics</i> , 2017 , 523, 121-126	6.5	13
85	Reduced Punch Sticking Propensity of Acesulfame by Salt Formation: Role of Crystal Mechanical Property and Surface Chemistry. <i>Molecular Pharmaceutics</i> , 2019 , 16, 2700-2707	5.6	13
84	Ribbon density and milling parameters that determine fines fraction in a dry granulation. <i>Powder Technology</i> , 2018 , 338, 162-167	5.2	13
83	Profoundly Improved Plasticity and Tableability of Griseofulvin by in Situ Solvation and Desolvation during Spherical Crystallization. <i>Crystal Growth and Design</i> , 2019 , 19, 2350-2357	3.5	13
82	Anion Exchange Reaction for Preparing Acesulfame Solid Forms. <i>Crystal Growth and Design</i> , 2018 , 18, 4215-4219	3.5	13
81	Reduction of Punch-Sticking Propensity of Celecoxib by Spherical Crystallization via Polymer Assisted Quasi-Emulsion Solvent Diffusion. <i>Molecular Pharmaceutics</i> , 2020 , 17, 1387-1396	5.6	12

80	A top coating strategy with highly bonding polymers to enable direct tableting of multiple unit pellet system (MUPS). <i>Powder Technology</i> , 2017 , 305, 591-596	5.2	12
79	Spherical Cocrystallization: An Enabling Technology for the Development of High Dose Direct Compression Tablets of Poorly Soluble Drugs. <i>Crystal Growth and Design</i> , 2019 , 19, 2503-2510	3.5	12
78	Solid-state properties and crystallization behavior of PHA-739521 polymorphs. <i>International Journal of Pharmaceutics</i> , 2006 , 319, 114-20	6.5	11
77	Enabling the Tablet Product Development of 5-Fluorocytosine by Conjugate Acid Base Cocrystals. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 1960-1966	3.9	11
76	Expedited Tablet Formulation Development of a Highly Soluble Carbamazepine Cocrystal Enabled by Precipitation Inhibition in Diffusion Layer. <i>Pharmaceutical Research</i> , 2019 , 36, 90	4.5	10
75	A mesoporous silica based platform to enable tablet formulations of low dose drugs by direct compression. <i>International Journal of Pharmaceutics</i> , 2018 , 539, 184-189	6.5	10
74	Ribbon thickness influences fine generation during dry granulation. <i>International Journal of Pharmaceutics</i> , 2017 , 529, 87-88	6.5	9
73	Developing Biologics Tablets: The Effects of Compression on the Structure and Stability of Bovine Serum Albumin and Lysozyme. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1119-1131	5.6	9
72	Structural Features of Sulfamethizole and Its Cocrystals: Beauty Within. <i>Crystal Growth and Design</i> , 2019 , 19, 7185-7192	3.5	9
71	The role of the screw profile on granular structure and mixing efficiency of a high-dose hydrophobic drug formulation during twin screw wet granulation. <i>International Journal of Pharmaceutics</i> , 2020 , 575, 118958	6.5	9
70	Novel Quasi-Emulsion Solvent Diffusion-Based Spherical Cocrystallization Strategy for Simultaneously Improving the Manufacturability and Dissolution of Indomethacin. <i>Crystal Growth and Design</i> , 2020 , 20, 6752-6762	3.5	9
69	Relationship between hydrate stability and accuracy of true density measured by helium pycnometry. <i>International Journal of Pharmaceutics</i> , 2019 , 567, 118444	6.5	8
68	Effects of Water on Powder Flowability of Diverse Powders Assessed by Complimentary Techniques. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 2613-2620	3.9	8
67	Toward a Molecular Understanding of the Impact of Crystal Size and Shape on Punch Sticking. <i>Molecular Pharmaceutics</i> , 2020 , 17, 1148-1158	5.6	8
66	Simultaneous taste-masking and oral bioavailability enhancement of Ligustrazine by forming sweet salts. <i>International Journal of Pharmaceutics</i> , 2020 , 577, 119089	6.5	8
65	Lack of dependence of mechanical properties of baicalein cocrystals on those of the constituent components. <i>CrytEngComm</i> , 2018 , 20, 5486-5489	3.3	8
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