Changquan Calvin Sun

List of Publications by Year
in descending order

229	10,648	53	90
papers	citations	h-index	g-index
		31902	45213

231	231	231	5781
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymorphs, Salts, and Cocrystals: Whatâ€™s in a Name?. Crystal Growth and Design, 2012, 12, 2147-2152.	1.4	767
2	Characterization of thermal behavior of deep eutectic solvents and their potential as drug solubilization vehicles. International Journal of Pharmaceutics, 2009, 378, 136-139.	2.6	417
3	Evaluation of the effects of tableting speed on the relationships between compaction pressure, tablet tensile strength, and tablet solid fraction. Journal of Pharmaceutical Sciences, 2005, 94, 465-472.	1.6	292
4	Improving Mechanical Properties of Caffeine and Methyl Gallate Crystals by Cocrystallization. Crystal Growth and Design, 2008, 8, 1575-1579.	1.4	292
5	Influence of crystal structure on the tableting properties of sulfamerazine polymorphs. , 2001, 18, 274-280.		258
6	Decoding Powder Tabletability: Roles of Particle Adhesion and Plasticity. Journal of Adhesion Science and Technology, 2011, 25, 483-499.	1.4	237
7	Materials Science Tetrahedronâ€"A Useful Tool for Pharmaceutical Research and Development. Journal of Pharmaceutical Sciences, 2009, 98, 1671-1687.	1.6	205
8	Mechanism of moisture induced variations in true density and compaction properties of microcrystalline cellulose. International Journal of Pharmaceutics, 2008, 346, 93-101.	2.6	191
9	Cocrystallization for successful drug delivery. Expert Opinion on Drug Delivery, 2013, 10, 201-213.	2.4	184
10	True Density of Microcrystalline Cellulose. Journal of Pharmaceutical Sciences, 2005, 94, 2132-2134.	1.6	182
11	Simultaneously Improving the Mechanical Properties, Dissolution Performance, and Hygroscopicity of Ibuprofen and Flurbiprofen by Cocrystallization with Nicotinamide. Pharmaceutical Research, 2012, 29, 1854-1865.	1.7	170
12	Reduced tabletability of roller compacted granules as a result of granule size enlargement. Journal of Pharmaceutical Sciences, 2006, 95, 200-206.	1.6	163
13	Understanding the relationship between crystal structure, plasticity and compaction behaviour of theophylline, methyl gallate, and their 1â€‰:â€‰1 co-crystal. CrystEngComm, 2010, 12, 2466.	1.3	142
14	Quantifying Effects of Particulate Properties on Powder Flow Properties Using a Ring Shear Tester. Journal of Pharmaceutical Sciences, 2008, 97, 4030-4039.	1.6	126
15	Setting the bar for powder flow properties in successful high speed tableting. Powder Technology, 2010, 201, 106-108.	2.1	117
16	Improved Tableting Properties of p-Hydroxybenzoic Acid by Water of Crystallization: A Molecular Insight. Pharmaceutical Research, 2004, 21, 382-386.	1.7	106
17	A critical Examination of the Phenomenon of Bonding Area - Bonding Strength Interplay in Powder Tableting. Pharmaceutical Research, 2016, 33, 1126-1132.	1.7	106
18	Correlation Among Crystal Structure, Mechanical Behavior, and Tabletability in the Co-Crystals of Vanillin Isomers. Crystal Growth and Design, 2015, 15, 1827-1832.	1.4	104

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19	Direct correlation among crystal structure, mechanical behaviour and tabletability in a trimorphic molecular compound. CrystEngComm, 2012, 14, 3865.	1.3	103
20	Effects of initial particle size on the tableting properties of l-lysine monohydrochloride dihydrate powder. International Journal of Pharmaceutics, 2001, 215, 221-228.	2.6	101
21	Development of a high drug load tablet formulation based on assessment of powder manufacturability: Moving towards quality by design. Journal of Pharmaceutical Sciences, 2009, 98, 239-247.	1.6	101
22	Profoundly improving flow properties of a cohesive cellulose powder by surface coating with nanoâ€silica through comilling. Journal of Pharmaceutical Sciences, 2011, 100, 4943-4952.	1.6	95
23	Influence of Elastic Deformation of Particles on Heckel Analysis. Pharmaceutical Development and Technology, 2001, 6, 193-200.	1.1	92
24	A Novel Method for Deriving True Density of Pharmaceutical Solids Including Hydrates and Water-Containing Powders. Journal of Pharmaceutical Sciences, 2004, 93, 646-653.	1.6	92
25	Exceptionally Elastic Single-Component Pharmaceutical Crystals. Chemistry of Materials, 2019, 31, 1794-1799.	3.2	91
26	Resveratrol cocrystals with enhanced solubility and tabletability. International Journal of Pharmaceutics, 2016, 509, 391-399.	2.6	87
27	The landscape of mechanical properties of molecular crystals. CrystEngComm, 2020, 22, 1149-1153.	1.3	87
28	Mini review: Mechanisms to the loss of tabletability by dry granulation. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 106, 9-14.	2.0	85
29	Twistable Pharmaceutical Crystal Exhibiting Exceptional Plasticity and Tabletability. Chemistry of Materials, 2019, 31, 3818-3822.	3.2	82
30	Validation and applications of an expedited tablet friability method. International Journal of Pharmaceutics, 2015, 484, 146-155.	2.6	78
31	Superior Plasticity and Tabletability of Theophylline Monohydrate. Molecular Pharmaceutics, 2017, 14, 2047-2055.	2.3	78
32	Overcoming Poor Tabletability of Pharmaceutical Crystals by Surface Modification. Pharmaceutical Research, 2011, 28, 3248-3255.	1.7	77
33	Impact of Crystal Habit on Biopharmaceutical Performance of Celecoxib. Crystal Growth and Design, 2013, 13, 2824-2832.	1.4	77
34	Quantifying effects of moisture content on flow properties of microcrystalline cellulose using a ring shear tester. Powder Technology, 2016, 289, 104-108.	2.1	76
35	Enhancing Bioavailability of Dihydromyricetin through Inhibiting Precipitation of Soluble Cocrystals by a Crystallization Inhibitor. Crystal Growth and Design, 2016, 16, 5030-5039.	1.4	75
36	On the Identification of Slip Planes in Organic Crystals Based on Attachment Energy Calculation. Journal of Pharmaceutical Sciences, 2008, 97, 3456-3461.	1.6	73

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37	Kinetic Entrapment of a Hidden Curcumin Cocrystal with Phloroglucinol. Crystal Growth and Design, 2014, 14, 5079-5089.	1.4	72
38	Origin of Deteriorated Crystal Plasticity and Compaction Properties of a 1:1 Cocrystal between Piroxicam and Saccharin. Crystal Growth and Design, 2014, 14, 3864-3874.	1.4	70
39	Development of highly stabilized curcumin nanoparticles by flash nanoprecipitation and lyophilization. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 436-449.	2.0	70
40	Crystal and Particle Engineering Strategies for Improving Powder Compression and Flow Properties to Enable Continuous Tablet Manufacturing by Direct Compression. Journal of Pharmaceutical Sciences, 2018, 107, 968-974.	1.6	70
41	Dependence of ejection force on tableting speedâ€"A compaction simulation study. Powder Technology, 2015, 279, 123-126.	2.1	66
42	The relationship among tensile strength, Young's modulus, and indentation hardness of pharmaceutical compacts. Powder Technology, 2018, 331, 1-6.	2.1	66
43	Microstructure of Tabletâ€"Pharmaceutical Significance, Assessment, and Engineering. Pharmaceutical Research, 2017, 34, 918-928.	1.7	65
44	Insensitivity of Compaction Properties of Brittle Granules to Size Enlargement by Roller Compaction. Journal of Pharmaceutical Sciences, 2007, 96, 1445-1450.	1.6	64
45	Identifying Slip Planes in Organic Polymorphs by Combined Energy Framework Calculations and Topology Analysis. Crystal Growth and Design, 2018, 18, 1909-1916.	1.4	63
46	Computational Techniques for Predicting Mechanical Properties of Organic Crystals: A Systematic Evaluation. Molecular Pharmaceutics, 2019, 16, 1732-1741.	2.3	62
47	Sweet Berberine. Crystal Growth and Design, 2016, 16, 933-939.	1.4	61
48	The suitability of common compressibility equations for characterizing plasticity of diverse powders. International Journal of Pharmaceutics, 2017, 532, 124-130.	2.6	59
49	Origin of profound changes in powder properties during wetting and nucleation stages of high-shear wet granulation of microcrystalline cellulose. Powder Technology, 2011, 208, 663-668.	2.1	58
50	Cocrystal engineering of pharmaceutical solids: therapeutic potential and challenges. CrystEngComm, 2021, 23, 7005-7038.	1.3	58
51	Ionized form of acetaminophen with improved compaction properties. CrystEngComm, 2012, 14, 2389-2390.	1.3	56
52	Relationships among Crystal Structures, Mechanical Properties, and Tableting Performance Probed Using Four Salts of Diphenhydramine. Crystal Growth and Design, 2017, 17, 6030-6040.	1.4	56
53	Tablets of multi-unit pellet system for controlled drug delivery. Journal of Controlled Release, 2017, 262, 222-231.	4.8	56
54	A new tablet brittleness index. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 93, 260-266.	2.0	55

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55	Improving solid-state properties of berberine chloride through forming a salt cocrystal with citric acid. International Journal of Pharmaceutics, 2019, 554, 14-20.	2.6	55
56	Improved solid-state stability of salts by cocrystallization between conjugate acidâ€“base pairs. CrystEngComm, 2013, 15, 5756.	1.3	54
57	Powder properties and compaction parameters that influence punch sticking propensity of pharmaceuticals. International Journal of Pharmaceutics, 2017, 521, 374-383.	2.6	54
58	Dapagliflozin-citric acid cocrystal showing better solid state properties than dapagliflozin. European Journal of Pharmaceutical Sciences, 2017, 104, 255-261.	1.9	54
59	Mechanism and Kinetics of Punch Sticking of Pharmaceuticals. Journal of Pharmaceutical Sciences, 2017, 106, 151-158.	1.6	54
60	Massing in high shear wet granulation can simultaneously improve powder flow and deteriorate powder compaction: A double-edged sword. European Journal of Pharmaceutical Sciences, 2011, 43, 50-56.	1.9	51
61	Designing Micellar Nanocarriers with Improved Drug Loading and Stability Based on Solubility Parameter. Molecular Pharmaceutics, 2015, 12, 816-825.	2.3	51
62	The development of carbamazepine-succinic acid cocrystal tablet formulations with improved <i>in vitro</i> and <i>in vivo</i> performance. Drug Development and Industrial Pharmacy, 2016, 42, 969-976.	0.9	51
63	Gaining insight into tablet capping tendency from compaction simulation. International Journal of Pharmaceutics, 2017, 524, 111-120.	2.6	51
64	Preparation and Characterization of Surface-Engineered Coarse Microcrystalline Cellulose Through Dry Coating with Silica Nanoparticles. Journal of Pharmaceutical Sciences, 2012, 101, 4258-4266.	1.6	50
65	Effect of Crystal Habit on Intrinsic Dissolution Behavior of Celecoxib Due to Differential Wettability. Crystal Growth and Design, 2014, 14, 5283-5292.	1.4	50
66	Structural Origins of Elastic and 2D Plastic Flexibility of Molecular Crystals Investigated with Two Polymorphs of Conformationally Rigid Coumarin. Chemistry of Materials, 2021, 33, 1053-1060.	3.2	50
67	A material-sparing method for simultaneous determination of true density and powder compaction propertiesâ€”Aspartame as an example. International Journal of Pharmaceutics, 2006, 326, 94-99.	2.6	49
68	Improving manufacturability of an ibuprofen powder blend by surface coating with silica nanoparticles. Powder Technology, 2013, 249, 290-296.	2.1	49
69	Direct Compression Tablet Containing 99% Active Ingredientâ€”A Tale of Spherical Crystallization. Journal of Pharmaceutical Sciences, 2019, 108, 1396-1400.	1.6	49
70	Transforming Powder Mechanical Properties by Core/Shell Structure: Compressible Sand. Journal of Pharmaceutical Sciences, 2010, 99, 4458-4462.	1.6	47
71	Initial moisture content in raw material can profoundly influence high shear wet granulation process. International Journal of Pharmaceutics, 2011, 416, 43-48.	2.6	47
72	Systematic evaluation of common lubricants for optimal use in tablet formulation. European Journal of Pharmaceutical Sciences, 2018, 117, 118-127.	1.9	47

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73	Influence of crystal structure on the tableting properties of nâ€alkyl 4â€hydroxybenzoate esters (parabens). Journal of Pharmaceutical Sciences, 2007, 96, 3324-3333.	1.6	46
74	Improving Powder Flow Properties of Citric Acid by Crystal Hydration. Journal of Pharmaceutical Sciences, 2009, 98, 1744-1749.	1.6	45
75	Roles of Granule Size in Over-Granulation During High Shear Wet Granulation. Journal of Pharmaceutical Sciences, 2010, 99, 3322-3325.	1.6	45
76	Near-infrared chemical imaging (NIR-CI) as a process monitoring solution for a production line of roll compaction and tableting. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 93, 293-302.	2.0	45
77	Dependence of Friability on Tablet Mechanical Properties and a Predictive Approach for Binary Mixtures. Pharmaceutical Research, 2017, 34, 2901-2909.	1.7	45
78	Lubrication with magnesium stearate increases tablet brittleness. Powder Technology, 2017, 309, 126-132.	2.1	44
79	Conformation Directed Interaction Anisotropy Leading to Distinct Bending Behaviors of Two ROY Polymorphs. Crystal Growth and Design, 2020, 20, 4764-4769.	1.4	44
80	Reproducibility of flow properties of microcrystalline cellulose â€" Avicel PH102. Powder Technology, 2011, 212, 253-257.	2.1	43
81	Protonation of Cytosine: Cytosinium vs Hemicytosinium Duplexes. Crystal Growth and Design, 2013, 13, 429-432.	1.4	43
82	Assessment of the relative performance of a confined impinging jets mixer and a multi-inlet vortex mixer for curcumin nanoparticle production. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 462-471.	2.0	43
83	Understanding Size Enlargement and Hardening of Granules on Tabletability of Unlubricated Granules Prepared by Dry Granulation. Journal of Pharmaceutical Sciences, 2011, 100, 758-766.	1.6	42
84	Solid-state characterization of optically pure (+)Dihydromyricetin extracted from Ampelopsis grossedentata leaves. International Journal of Pharmaceutics, 2016, 511, 245-252.	2.6	42
85	Comparative analyses of flow and compaction properties of diverse mannitol and lactose grades. International Journal of Pharmaceutics, 2018, 546, 39-49.	2.6	42
86	From molecular salt to pseudo CAB cocrystal: Expanding solid-state landscape of carboxylic acids based on charge-assisted COOHâ‹¯COOâˆ' hydrogen bonds. Journal of Molecular Structure, 2015, 1099, 516-522.	1.8	41
87	Improving Dissolution Rate of Carbamazepine-Glutaric Acid Cocrystal Through Solubilization by Excess Coformer. Pharmaceutical Research, 2018, 35, 4.	1.7	41
88	Recent Advances in Co-processed APIs and Proposals for Enabling Commercialization of These Transformative Technologies. Molecular Pharmaceutics, 2020, 17, 2232-2244.	2.3	41
89	Quantifying Errors in Tableting Data Analysis Using the Ryshkewitch Equation Due to Inaccurate True Density. Journal of Pharmaceutical Sciences, 2005, 94, 2061-2068.	1.6	40
90	Preparation, Characterization, and Formulation Development of Drugâ€"Drug Protic Ionic Liquids of Diphenhydramine with Ibuprofen and Naproxen. Molecular Pharmaceutics, 2018, 15, 4190-4201.	2.3	40

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91	Cocrystallization of Curcumin with Benzenediols and Benzenetriols via Rapid Solvent Removal. Crystal Growth and Design, 2018, 18, 5534-5546.	1.4	40
92	Thermal Expansion of Organic Crystals and Precision of Calculated Crystal Density: A Survey of Cambridge Crystal Database. Journal of Pharmaceutical Sciences, 2007, 96, 1043-1052.	1.6	39
93	Macroindentation hardness measurementâ€"Modernization and applications. International Journal of Pharmaceutics, 2016, 506, 262-267.	2.6	38
94	Expedited development of a high dose orally disintegrating metformin tablet enabled by sweet salt formation with acesulfame. International Journal of Pharmaceutics, 2017, 532, 435-443.	2.6	37
95	Polymer Nanocoating of Amorphous Drugs for Improving Stability, Dissolution, Powder Flow, and Tabletability: The Case of Chitosan-Coated Indomethacin. Molecular Pharmaceutics, 2019, 16, 1305-1311.	2.3	37
96	Enabling Tablet Product Development of 5-Fluorocytosine Through Integrated Crystal and Particle Engineering. Journal of Pharmaceutical Sciences, 2014, 103, 1126-1132.	1.6	36
97	Cocrystal Engineering of Itraconazole with Suberic Acid via Rotary Evaporation and Spray Drying. Crystal Growth and Design, 2019, 19, 2736-2745.	1.4	36
98	Compaction properties of L-lysine salts. , 2001, 18, 281-286.		35
99	Tableting performance of various mannitol and lactose grades assessed by compaction simulation and chemometrical analysis. International Journal of Pharmaceutics, 2019, 566, 24-31.	2.6	35
100	Extended Release of Highly Water Soluble Isoniazid Attained through Cocrystallization with Curcumin. Crystal Growth and Design, 2020, 20, 1951-1960.	1.4	35
101	Particle Engineering for Enabling a Formulation Platform Suitable for Manufacturing Low-Dose Tablets by Direct Compression. Journal of Pharmaceutical Sciences, 2017, 106, 1772-1777.	1.6	34
102	Dependence of tablet brittleness on tensile strength and porosity. International Journal of Pharmaceutics, 2015, 493, 208-213.	2.6	32
103	A classification system for tableting behaviors of binary powder mixtures. Asian Journal of Pharmaceutical Sciences, 2016, 11, 486-491.	4.3	32
104	Mechanical Properties and Tableting Behavior of Amorphous Solid Dispersions. Journal of Pharmaceutical Sciences, 2017, 106, 217-223.	1.6	32
105	The phenomenon of tablet flashing â€" Its impact on tableting data analysis and a method to eliminate it. Powder Technology, 2017, 305, 117-124.	2.1	32
106	Crystal Growth of Celecoxib from Amorphous State: Polymorphism, Growth Mechanism, and Kinetics. Crystal Growth and Design, 2019, 19, 3592-3600.	1.4	32
107	Design, Synthesis, and Characterization of New 5-Fluorocytosine Salts. Molecular Pharmaceutics, 2013, 10, 2462-2466.	2.3	31
108	Harvesting Potential Dissolution Advantages of Soluble Cocrystals by Depressing Precipitation Using the Common Coformer Effect. Crystal Growth and Design, 2016, 16, 6719-6721.	1.4	30

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109	Evolution of Structure and Properties of Granules Containing Microcrystalline Cellulose and Polyvinylpyrrolidone During High-Shear Wet Granulation. Journal of Pharmaceutical Sciences, 2014, 103, 207-215.	1.6	29
110	Tabletability Modulation Through Surface Engineering. Journal of Pharmaceutical Sciences, 2015, 104, 2645-2648.	1.6	29
111	Process optimization of dry granulation based tableting line: Extracting physical material characteristics from granules, ribbons and tablets using near-IR (NIR) spectroscopic measurement. Powder Technology, 2016, 300, 120-125.	2.1	29
112	Dependence of Punch Sticking on Compaction Pressureâ€"Roles of Particle Deformability and Tablet Tensile Strength. Journal of Pharmaceutical Sciences, 2017, 106, 2060-2067.	1.6	29
113	A systematic evaluation of dual functionality of sodium lauryl sulfate as a tablet lubricant and wetting enhancer. International Journal of Pharmaceutics, 2018, 552, 139-147.	2.6	29
114	Cubosomes with surface cross-linked chitosan exhibit sustained release and bioavailability enhancement for vinpocetine. RSC Advances, 2019, 9, 6287-6298.	1.7	29
115	Design and synthesis of solid state structures with conjugate acidâ€"base pair interactions. CrystEngComm, 2012, 14, 3851.	1.3	28
116	A Formulation Strategy for Solving the Overgranulation Problem in High Shear Wet Granulation. Journal of Pharmaceutical Sciences, 2014, 103, 2434-2440.	1.6	28
117	Spherical Cocrystallizationâ€"An Enabling Technology for the Development of High Dose Direct Compression Tablets of Poorly Soluble Drugs. Crystal Growth and Design, 2019, 19, 2503-2510.	1.4	27
118	On the mechanism of reduced tabletability of granules prepared by roller compaction. International Journal of Pharmaceutics, 2008, 347, 171-172.	2.6	26
119	Significant Expansion of the Solid State Landscape of Salicylic Acid Based on Charge-Assisted Hydrogen Bonding Interactions. Crystal Growth and Design, 2015, 15, 24-28.	1.4	26
120	Modulating Sticking Propensity of Pharmaceuticals Through Excipient Selection in a Direct Compression Tablet Formulation. Pharmaceutical Research, 2018, 35, 113.	1.7	26
121	Mechanism for the Reduced Dissolution of Ritonavir Tablets by Sodium Lauryl Sulfate. Journal of Pharmaceutical Sciences, 2019, 108, 516-524.	1.6	26
122	Molecular Interpretation of the Compaction Performance and Mechanical Properties of Caffeine Cocrystals: A Polymorphic Study. Molecular Pharmaceutics, 2020, 17, 21-31.	2.3	26
123	Origin of Two Modes of Non-isothermal Crystallization of Glasses Produced by Milling. Pharmaceutical Research, 2012, 29, 1020-1032.	1.7	25
124	Effect of screw profile and processing conditions on physical transformation and chemical degradation of gabapentin during twin-screw melt granulation. European Journal of Pharmaceutical Sciences, 2019, 131, 243-253.	1.9	25
125	Microstructures and pharmaceutical properties of ferulic acid agglomerates prepared by different spherical crystallization methods. International Journal of Pharmaceutics, 2020, 574, 118914.	2.6	25
126	Mitigating Punch Sticking Propensity of Celecoxib by Cocrystallization: An Integrated Computational and Experimental Approach. Crystal Growth and Design, 2020, 20, 4217-4223.	1.4	25

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127	Enabling direct compression of formulated Danshen powder by surface engineering. Powder Technology, 2013, 241, 211-218.	2.1	24
128	Reduced Punch Sticking Propensity of Acesulfame by Salt Formation: Role of Crystal Mechanical Property and Surface Chemistry. Molecular Pharmaceutics, 2019, 16, 2700-2707.	2.3	24
129	Design and Preparation of a 4:1 Lamivudineâ€“Oxalic Acid CAB Cocrystal for Improving the Lamivudine Purification Process. Crystal Growth and Design, 2014, 14, 3990-3995.	1.4	23
130	Expedited Development of Diphenhydramine Orally Disintegrating Tablet through Integrated Crystal and Particle Engineering. Molecular Pharmaceutics, 2017, 14, 3399-3408.	2.3	23
131	Effects of thermal binders on chemical stabilities and tabletability of gabapentin granules prepared by twin-screw melt granulation. International Journal of Pharmaceutics, 2019, 559, 37-47.	2.6	23
132	Novel Quasi-Emulsion Solvent Diffusion-Based Spherical Cocrystallization Strategy for Simultaneously Improving the Manufacturability and Dissolution of Indomethacin. Crystal Growth and Design, 2020, 20, 6752-6762.	1.4	23
133	Robust bulk preparation and characterization of sulfamethazine and saccharine salt and cocrystal polymorphs. CrystEngComm, 2019, 21, 2089-2096.	1.3	22
134	Development of piroxicam mini-tablets enabled by spherical cocrystallization. International Journal of Pharmaceutics, 2020, 590, 119953.	2.6	22
135	The Manufacture of Low-Dose Oral Solid Dosage Form to Support Early Clinical Studies Using an Automated Micro-Filing System. AAPS PharmSciTech, 2011, 12, 88-95.	1.5	21
136	Reduction of Punch-Sticking Propensity of Celecoxib by Spherical Crystallization via Polymer Assisted Quasi-Emulsion Solvent Diffusion. Molecular Pharmaceutics, 2020, 17, 1387-1396.	2.3	21
137	Tensile and shear methods for measuring strength of bilayer tablets. International Journal of Pharmaceutics, 2017, 523, 121-126.	2.6	20
138	Profoundly Improved Plasticity and Tabletability of Griseofulvin by in Situ Solvation and Desolvation during Spherical Crystallization. Crystal Growth and Design, 2019, 19, 2350-2357.	1.4	20
139	Structural Features of Sulfamethizole and Its Cocrystals: Beauty Within. Crystal Growth and Design, 2019, 19, 7185-7192.	1.4	19
140	Novel Salt-Cocrystals of Berberine Hydrochloride with Aliphatic Dicarboxylic Acids: Oddâ€“Even Alternation in Physicochemical Properties. Molecular Pharmaceutics, 2021, 18, 1758-1767.	2.3	19
141	A Study of Sulfamerazine Single Crystals Using Atomic Force Microscopy, Transmission Light Microscopy, and Raman Spectroscopy. Journal of Pharmaceutical Sciences, 2005, 94, 1881-1892.	1.6	18
142	Synthon preference in O-protonated amide crystals â€“ dominance of short strong hydrogen bonds. CrystEngComm, 2013, 15, 8941.	1.3	18
143	Solvent and additive interactions as determinants in the nucleation pathway: general discussion. Faraday Discussions, 2015, 179, 383-420.	1.6	18
144	Correction for Polymorphs, Salts and Cocrystals: Whatâ€™s in a Name?. Crystal Growth and Design, 2012, 12, 4290-4291.	1.4	17

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145	Analytical method development for powder characterization: Visualization of the critical drug loading affecting the processability of a formulation for direct compression. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 462-468.	1.4	17
146	A top coating strategy with highly bonding polymers to enable direct tableting of multiple unit pellet system (MUPS). Powder Technology, 2017, 305, 591-596.	2.1	17
147	A mesoporous silica based platform to enable tablet formulations of low dose drugs by direct compression. International Journal of Pharmaceutics, 2018, 539, 184-189.	2.6	17
148	Relationship between hydrate stability and accuracy of true density measured by helium pycnometry. International Journal of Pharmaceutics, 2019, 567, 118444.	2.6	17
149	Enabling the Tablet Product Development of 5-Fluorocytosine by Conjugate Acid Base Cocrystals. Journal of Pharmaceutical Sciences, 2016, 105, 1960-1966.	1.6	16
150	Anion Exchange Reaction for Preparing Acesulfame Solid Forms. Crystal Growth and Design, 2018, 18, 4215-4219.	1.4	16
151	Ribbon density and milling parameters that determine fines fraction in a dry granulation. Powder Technology, 2018, 338, 162-167.	2.1	16
152	The role of the screw profile on granular structure and mixing efficiency of a high-dose hydrophobic drug formulation during twin screw wet granulation. International Journal of Pharmaceutics, 2020, 575, 118958.	2.6	16
153	Modulation of the powder properties of lamotrigine by crystal forms. International Journal of Pharmaceutics, 2021, 595, 120274.	2.6	16
154	Confused HCl: Hydrogen Chloride or Hydrochloric Acid?. Chemistry - A European Journal, 2012, 18, 6462-6464.	1.7	15
155	Improving Powder Characteristics by Surface Modification Using Atomic Layer Deposition. Organic Process Research and Development, 2019, 23, 2362-2368.	1.3	15
156	Toward a Molecular Understanding of the Impact of Crystal Size and Shape on Punch Sticking. Molecular Pharmaceutics, 2020, 17, 1148-1158.	2.3	15
157	Drugâ€"Drug Cocrystallization Simultaneously Improves Pharmaceutical Properties of Genistein and Ligustrazine. Crystal Growth and Design, 2021, 21, 3461-3468.	1.4	15
158	Efficient development of sorafenib tablets with improved oral bioavailability enabled by coprecipitated amorphous solid dispersion. International Journal of Pharmaceutics, 2021, 610, 121216.	2.6	15
159	Self-templating accelerates precipitation of carbamazepine dihydrate during the dissolution of a soluble carbamazepine cocrystal. CrystEngComm, 2017, 19, 1156-1159.	1.3	14
160	Insights into the effect of compaction pressure and material properties on interfacial bonding strength of bilayer tablets. Powder Technology, 2019, 354, 867-876.	2.1	14
161	Expedited Tablet Formulation Development of a Highly Soluble Carbamazepine Cocrystal Enabled by Precipitation Inhibition in Diffusion Layer. Pharmaceutical Research, 2019, 36, 90.	1.7	14
162	Simultaneous taste-masking and oral bioavailability enhancement of Ligustrazine by forming sweet salts. International Journal of Pharmaceutics, 2020, 577, 119089.	2.6	14

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163	Lack of dependence of mechanical properties of baicalein cocrystals on those of the constituent components. CrystEngComm, 2018, 20, 5486-5489.	1.3	13
164	Molecular Interpretation of Mechanical Behavior in Four Basic Crystal Packing of Isoniazid with Homologous Cocrystal Formers. Crystal Growth and Design, 2020, 20, 832-844.	1.4	13
165	Tabletability Flip â€“ Role of Bonding Area and Bonding Strength Interplay. Journal of Pharmaceutical Sciences, 2020, 109, 3569-3573.	1.6	13
166	Profound tabletability deterioration of microcrystalline cellulose by magnesium stearate. International Journal of Pharmaceutics, 2020, 590, 119927.	2.6	13
167	Reducing the Sublimation Tendency of Ligustrazine through Salt Formation. Crystal Growth and Design, 2020, 20, 2057-2063.	1.4	13
168	Solid-state properties and crystallization behavior of PHA-739521 polymorphs. International Journal of Pharmaceutics, 2006, 319, 114-120.	2.6	12
169	Effects of Water on Powder Flowability of Diverse Powders Assessed by Complimentary Techniques. Journal of Pharmaceutical Sciences, 2019, 108, 2613-2620.	1.6	12
170	A systematic evaluation of poloxamers as tablet lubricants. International Journal of Pharmaceutics, 2020, 576, 118994.	2.6	12
171	Simultaneous improvement of physical stability, dissolution, bioavailability, and antithrombus efficacy of Aspirin and Ligustrazine through cocrystallization. International Journal of Pharmaceutics, 2022, 616, 121541.	2.6	12
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