Ahmad Y Sheikh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5254198/publications.pdf

Version: 2024-02-01

20 papers	292 citations	933447 10 h-index	940533 16 g-index
23 all docs	23 docs citations	23 times ranked	330 citing authors

#	Article	IF	Citations
1	Combining Theoretical and Data-Driven Approaches To Predict Drug Substance Hydrate Formation. Crystal Growth and Design, 2018, 18, 57-67.	3.0	36
2	Development of the Enabling Route for Glecaprevir via Ring-Closing Metathesis. Organic Process Research and Development, 2020, 24, 183-200.	2.7	27
3	Implications of the Conformationally Flexible, Macrocyclic Structure of the First-Generation, Direct-Acting Anti-Viral Paritaprevir on Its Solid Form Complexity and Chameleonic Behavior. Journal of the American Chemical Society, 2021, 143, 17479-17491.	13.7	27
4	A comparative assessment of the influence of different crystallization screening methodologies on the solid forms of carbamazepine co-crystals. CrystEngComm, 2013, 15, 3862.	2.6	26
5	Molecular, Solid-State and Surface Structures of the Conformational Polymorphic Forms of Ritonavir in Relation to their Physicochemical Properties. Pharmaceutical Research, 2021, 38, 971-990.	3.5	24
6	Evaluation of Effects of Pharmaceutical Processing on Structural Disorders of Active Pharmaceutical Ingredient Crystals Using Nanoindentation and High-Resolution Total Scattering Pair Distribution Function Analysis. Journal of Pharmaceutical Sciences, 2014, 103, 3879-3890.	3.3	23
7	Process development of ABT-450 â€“ A first generation NS3/4A protease inhibitor for HCV. Tetrahedron, 2019, 75, 4271-4286.	1.9	18
8	A machine learning framework for computationally expensive transient models. Scientific Reports, 2020, 10, 11492.	3.3	14
9	Expanding the Repertoire for â€œLarge Small Moleculesâ€ Prodrug ABBV-167 Efficiently Converts to Venetoclax with Reduced Food Effect in Healthy Volunteers. Molecular Cancer Therapeutics, 2021, 20, 999-1008.	4.1	12
10	Novel Physics-Based Ensemble Modeling Approach That Utilizes 3D Molecular Conformation and Packing to Access Aqueous Thermodynamic Solubility: A Case Study of Orally Available Bromodomain and Extraterminal Domain Inhibitor Lead Optimization Series. Journal of Chemical Information and Modeling, 2021, 61, 1412-1426.	5.4	12
11	Optimal synthesis of stagewise continuous crystallization process networks. AICHE Journal, 1998, 44, 1637-1645.	3.6	11
12	Crystallization process optimization via a revised machine learning methodology. AICHE Journal, 1997, 43, 1448-1457.	3.6	9
13	Distinct Hybrid Hydrates of Paritaprevir: Combined Experimental and Computational Assessment of their Hydrationâ€“Dehydration Behavior and Implications for Regulatory Controls. Crystal Growth and Design, 2022, 22, 726-737.	3.0	9
14	Insights into the Polymorphic Structures and Enantiotropic Layer-Slip Transition in Paracetamol Form III from Enhanced Molecular Dynamics. Crystal Growth and Design, 2021, 21, 886-896.	3.0	8
15	Polymorphism and surface diversity arising from stress-induced transformations â€“ the case of multicomponent forms of carbamazepine. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 54-67.	1.1	8
16	Assessment of impact breakage of carbamazepine dihydrate due to aerodynamic dispersion. International Journal of Pharmaceutics, 2019, 572, 118780.	5.2	5
17	Effect of Solution Composition on the Crystallization of Multicomponent Forms of Carbamazepine beyond Crystal Form and Shape: Surface as a Source of Diversity in the Solid-Form Landscape. Crystal Growth and Design, 2021, 21, 52-64.	3.0	5
18	Understanding stress-induced disorder and breakage in organic crystals: beyond crystal structure anisotropy. Chemical Science, 2021, 12, 14270-14280.	7.4	5

#	Article	IF	Citations
19	Origins and Implications of Extraordinarily Soft Crystals in a Fixed-Dose Combination Hepatitis C Regimen. Crystal Growth and Design, 0, , .	3.0	5
20	Overcoming Bioavailability Challenges of Dasabuvir and Enabling a Triple-Combination Direct-Acting Antiviral HCV Regimen through a Salt of Very Weak Acid for Oral Delivery. Molecular Pharmaceutics, 2022, 19, 2367-2379.	4.6	3