

Ahmad Y Sheikh

List of Publications by Year in descending order

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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	Distinct Hybrid Hydrates of Paritaprevir: Combined Experimental and Computational Assessment of their Hydration–Dehydration Behavior and Implications for Regulatory Controls. <i>Crystal Growth and Design</i> , 2022, 22, 726-737.	3.0	9
2	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. <i>Molecular Pharmaceutics</i> , 2022, 19, 2367-2379.	4.6	3
3	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. <i>Crystal Growth and Design</i> , 2021, 21, 52-64.	3.0	5
4	Insights into the Polymorphic Structures and Enantiotropic Layer-Slip Transition in Paracetamol Form III from Enhanced Molecular Dynamics. <i>Crystal Growth and Design</i> , 2021, 21, 886-896.	3.0	8
5	Expanding the Repertoire for “Large Small Molecules” Prodrug ABBV-167 Efficiently Converts to Venetoclax with Reduced Food Effect in Healthy Volunteers. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 999-1008.	4.1	12
6	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. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 1412-1426.	5.4	12
7	Molecular, Solid-State and Surface Structures of the Conformational Polymorphic Forms of Ritonavir in Relation to their Physicochemical Properties. <i>Pharmaceutical Research</i> , 2021, 38, 971-990.	3.5	24
8	Polymorphism and surface diversity arising from stress-induced transformations – the case of multicomponent forms of carbamazepine. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 54-67.	1.1	8
9	Understanding stress-induced disorder and breakage in organic crystals: beyond crystal structure anisotropy. <i>Chemical Science</i> , 2021, 12, 14270-14280.	7.4	5
10	Implications of the Conformationally Flexible, Macrocyclic Structure of the First-Generation, Direct-Acting Anti-Viral Paritaprevir on Its Solid Form Complexity and Chameleonic Behavior. <i>Journal of the American Chemical Society</i> , 2021, 143, 17479-17491.	13.7	27
11	Development of the Enabling Route for Glecaprevir via Ring-Closing Metathesis. <i>Organic Process Research and Development</i> , 2020, 24, 183-200.	2.7	27
12	A machine learning framework for computationally expensive transient models. <i>Scientific Reports</i> , 2020, 10, 11492.	3.3	14
13	Process development of ABT-450 – A first generation NS3/4A protease inhibitor for HCV. <i>Tetrahedron</i> , 2019, 75, 4271-4286.	1.9	18
14	Assessment of impact breakage of carbamazepine dihydrate due to aerodynamic dispersion. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118780.	5.2	5
15	Combining Theoretical and Data-Driven Approaches To Predict Drug Substance Hydrate Formation. <i>Crystal Growth and Design</i> , 2018, 18, 57-67.	3.0	36
16	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. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3879-3890.	3.3	23
17	A comparative assessment of the influence of different crystallization screening methodologies on the solid forms of carbamazepine co-crystals. <i>CrystEngComm</i> , 2013, 15, 3862.	2.6	26
18	Optimal synthesis of stagewise continuous crystallization process networks. <i>AIChE Journal</i> , 1998, 44, 1637-1645.	3.6	11

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19	Crystallization process optimization via a revised machine learning methodology. AICHE Journal, 1997, 43, 1448-1457.	3.6	9
20	Origins and Implications of Extraordinarily Soft Crystals in a Fixed-Dose Combination Hepatitis C Regimen. Crystal Growth and Design, 0, , .	3.0	5