

Yuriy A Abramov

List of Publications by Year in descending order

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26
papers

1,153
citations

471509

17
h-index

580821

25
g-index

34
all docs

34
docs citations

34
times ranked

1307
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-State Acid-Base Interactions in Complexes of Heterocyclic Bases with Dicarboxylic Acids: Crystallography, Hydrogen Bond Analysis, and 15N NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 8199-8210.	13.7	181
2	Rational Coformer or Solvent Selection for Pharmaceutical Cocrystallization or Desolvation. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 3687-3697.	3.3	150
3	Development of a Targeted Polymorph Screening Approach for a Complex Polymorphic and Highly Solvating API. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 3874-3886.	3.3	111
4	Integrating Intramolecular Hydrogen Bonding (IMHB) Considerations in Drug Discovery Using $\hat{\mu}$ logP As a Tool. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4870-4879.	6.4	79
5	A Computational Approach to Enzyme Design: Predicting $\hat{\mu}$ -Aminotransferase Catalytic Activity Using Docking and MM-CBSA Scoring. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 2334-2346.	5.4	78
6	Current Computational Approaches to Support Pharmaceutical Solid Form Selection. <i>Organic Process Research and Development</i> , 2013, 17, 472-485.	2.7	75
7	Low solubility in drug development: de-convoluting the relative importance of solvation and crystal packing. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 847-856.	2.4	48
8	Virtual Coformer Screening by Crystal Structure Predictions: Crucial Role of Crystallinity in Pharmaceutical Cocrystallization. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8832-8838.	4.6	40
9	Major Source of Error in QSPR Prediction of Intrinsic Thermodynamic Solubility of Drugs: Solid vs Nonsolid State Contributions?. <i>Molecular Pharmaceutics</i> , 2015, 12, 2126-2141.	4.6	33
10	An experimental and numerical modeling study of tribocharging in pharmaceutical granular mixtures. <i>Powder Technology</i> , 2016, 297, 211-219.	4.2	30
11	QTAIM Application in Drug Development: Prediction of Relative Stability of Drug Polymorphs from Experimental Crystal Structures. <i>Journal of Physical Chemistry A</i> , 2011, 115, 12809-12817.	2.5	27
12	Virtual hydrate screening and coformer selection for improved relative humidity stability. <i>CrystEngComm</i> , 2015, 17, 5216-5224.	2.6	27
13	Development of machine learning models of $\hat{\mu}$ -cyclodextrin and sulfobutylether- $\hat{\mu}$ -cyclodextrin complexation free energies. <i>International Journal of Pharmaceutics</i> , 2011, 418, 207-216.	5.2	26
14	Applications of Quantum Chemistry in Pharmaceutical Process Development: Current State and Opportunities. <i>Organic Process Research and Development</i> , 2020, 24, 1496-1507.	2.7	25
15	Evaluation of Milling Method on the Surface Energetics of Molecular Crystals Using Inverse Gas Chromatography. <i>Crystal Growth and Design</i> , 2012, 12, 5271-5282.	3.0	22
16	Quantification of Tribocharging of Pharmaceutical Powders in V-Blenders: Experiments, Multiscale Modeling, and Simulations. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1467-1477.	3.3	22
17	Computational Insights into Kinetic Hindrance Affecting Crystallization of Stable Forms of Active Pharmaceutical Ingredients. <i>Crystal Growth and Design</i> , 2020, 20, 1512-1525.	3.0	20
18	Emerging Landscape of Computational Modeling in Pharmaceutical Development. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 1160-1171.	5.4	18

#	ARTICLE	IF	CITATIONS
19	Guiding Lead Optimization for Solubility Improvement with Physics-Based Modeling. <i>Molecular Pharmaceutics</i> , 2020, 17, 666-673.	4.6	17
20	Current State-of-the-art In-house and Cloud-Based Applications of Virtual Polymorph Screening of Pharmaceutical Compounds: A Challenging Case of AZD1305 . <i>Crystal Growth and Design</i> , 2021, 21, 1972-1983.	3.0	17
21	Virtual coformer screening by a combined machine learning and physics-based approach. <i>CrystEngComm</i> , 2021, 23, 6039-6044.	2.6	15
22	Rational Solvent Selection for Pharmaceutical Impurity Purge. <i>Crystal Growth and Design</i> , 2018, 18, 1208-1214.	3.0	14
23	Solid-Form Transition Temperature Prediction from a Virtual Polymorph Screening: A Reality Check. <i>Crystal Growth and Design</i> , 2019, 19, 7132-7137.	3.0	12
24	Understanding the Risk of Agglomeration of Polar Pharmaceutical Crystals. <i>Crystal Growth and Design</i> , 2017, 17, 2873-2880.	3.0	10
25	Selecting a stable solid form of remdesivir using microcrystal electron diffraction and crystal structure prediction. <i>RSC Advances</i> , 2021, 11, 17408-17412.	3.6	9
26	Uncertainty Distribution of Crystal Structure Prediction. <i>Crystal Growth and Design</i> , 0, , .	3.0	5