Blair F Johnston

List of Publications by Year
in descending order

50 papers	1,296 citations	361413 20 h-index	361022 35 g-index
50 all docs	50 docs citations	50 times ranked	2051 citing authors

#	Article	IF	Citations
1	A Novel Integrated Workflow for Isolation Solvent Selection Using Prediction and Modeling. Organic Process Research and Development, 2021, 25, 1143-1159.	2.7	13
2	Quantification of swelling characteristics of pharmaceutical particles. International Journal of Pharmaceutics, 2020, 590, 119903.	5.2	19
3	P1â€...Dysregulation of endothelial cell connexin-43 localisation in response to doxorubicin. , 2020, , .		0
4	Olanzapine crystal symmetry originates in preformed centrosymmetric solute dimers. Nature Chemistry, 2020, 12, 914-920.	13.6	26
5	Non-leaching, Highly Biocompatible Nanocellulose Surfaces That Efficiently Resist Fouling by Bacteria in an Artificial Dermis Model. ACS Applied Bio Materials, 2020, 3, 4095-4108.	4.6	12
6	Unraveling the Impact of High-Order Silk Structures on Molecular Drug Binding and Release Behaviors. Journal of Physical Chemistry Letters, 2019, 10, 4278-4284.	4.6	14
7	Microfluidic-assisted silk nanoparticle tuning. Nanoscale Advances, 2019, 1, 873-883.	4.6	23
8	Structural investigation and compression of a co-crystal of indomethacin and saccharin. CrystEngComm, 2019, 21, 4465-4472.	2.6	6
9	Enabling precision manufacturing of active pharmaceutical ingredients: workflow for seeded cooling continuous crystallisations. Molecular Systems Design and Engineering, 2018, 3, 518-549.	3.4	66
10	A random forest model for predicting crystal packing of olanzapine solvates. CrystEngComm, 2018, 20, 3947-3950.	2.6	13
11	Regioselective Reaction of Heterocyclic N-Oxides, an Acyl Chloride, and Cyclic Thioethers. Journal of Organic Chemistry, 2018, 83, 1510-1517.	3.2	20
12	Degradation Behavior of Silk Nanoparticlesâ€"Enzyme Responsiveness. ACS Biomaterials Science and Engineering, 2018, 4, 942-951.	5.2	74
13	Impact of Paracetamol Impurities on Face Properties: Investigating the Surface of Single Crystals Using TOF-SIMS. Crystal Growth and Design, 2018, 18, 2750-2758.	3.0	10
14	Metabolic Reprogramming of Macrophages Exposed to Silk, Poly(lacticâ€coâ€glycolic acid), and Silica Nanoparticles. Advanced Healthcare Materials, 2017, 6, 1601240.	7.6	51
15	Aqueous Solubility of Organic Salts. Investigating Trends in a Systematic Series of 51 Crystalline Salt Forms of Methylephedrine. Crystal Growth and Design, 2017, 17, 3277-3286.	3.0	17
16	Combined Chemoinformatics Approach to Solvent Library Design Using clusterSim and Multidimensional Scaling. Journal of Chemical Information and Modeling, 2017, 57, 1807-1815.	5.4	4
17	A factorial approach to understanding the effect of inner geometry of baffled meso-scale tubes on solids suspension and axial dispersion in continuous, oscillatory liquidâ€"solid plug flows. Chemical Engineering Journal, 2017, 308, 669-682.	12.7	37
18	Manufacture and Drug Delivery Applications of Silk Nanoparticles. Journal of Visualized Experiments, 2016, , .	0.3	29

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19	Associations between obesity and cognition in the preâ€school years. Obesity, 2016, 24, 207-214.	3.0	22
20	A random forest model for predicting the crystallisability of organic molecules. CrystEngComm, 2015, 17, 4272-4275.	2.6	19
21	Changes to inhaled corticosteroid dose when initiating combination inhaler therapy in long-acting Î² agonist-naÃ¯ve patients with asthma: a retrospective database analysis. Thorax, 2014, 69, 1056-1058.	5.6	6
22	Investigation of Acrylic Acid at High Pressure Using Neutron Diffraction. Journal of Physical Chemistry B, 2014, 118, 4044-4051.	2.6	14
23	Exploring the Experimental and Computed Crystal Energy Landscape of Olanzapine. Crystal Growth and Design, 2013, 13, 1602-1617.	3.0	123
24	A complementary experimental and computational study of loxapine succinate and its monohydrate. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 1273-1278.	0.4	5
25	Is the BTS/SIGN guideline confusing? A retrospective database analysis of asthma therapy. Primary Care Respiratory Journal: Journal of the General Practice Airways Group, 2013, 22, 290-295.	2.3	10
26	Folding of dinuclear platinum anticancer complexes within the cavity of para-sulphonatocalix[4]arene. Inorganica Chimica Acta, 2012, 393, 182-186.	2.4	23
27	Carbamazepine on a carbamazepine monolayer forms unique 1D supramolecular assemblies. Chemical Communications, 2011, 47, 9627.	4.1	3
28	Experimental and Predicted Crystal Energy Landscapes of Chlorothiazide. Crystal Growth and Design, 2011, 11, 405-413.	3.0	9
29	The Drug Discovery Portal: A Computational Platform for Identifying Drug Leads from Academia. Current Pharmaceutical Design, 2010, 16, 1697-1702.	1.9	3
30	The Drug Discovery Portal: a resource to enhance drug discovery from academia. Drug Discovery Today, 2010, 15, 679-683.	6.4	37
31	In silico modelling of drugâ€“polymer interactions for pharmaceutical formulations. Journal of the Royal Society Interface, 2010, 7, S423-33.	3.4	61
32	Current strategies for drug discovery through natural products. Expert Opinion on Drug Discovery, 2010, 5, 559-568.	5.0	77
33	Surface-Mediated Two-Dimensional Growth of the Pharmaceutical Carbamazepine. ACS Nano, 2010, 4, 5061-5068.	14.6	15
34	Identification of 2-Aminothiazole-4-Carboxylate Derivatives Active against Mycobacterium tuberculosis H37Rv and the Î²-Ketoacyl-ACP Synthase mtFabH. PLoS ONE, 2009, 4, e5617.	2.5	47
35	Nicotinamideâ€“2,2,2-trifluoroethanol (2/1). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o727-o728.	0.2	2
36	Side-on binding of p-sulphonatocalix[4]arene to the dinuclear platinum complex trans-[{PtCl(NH3)2}2Î¼-dpzm]2+ and its implications for anticancer drug delivery. Journal of Inorganic Biochemistry, 2009, 103, 448-454.	3.5	41

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37	3D-QSAR Studies on Chromone Derivatives as HIV-1 Protease Inhibitors: Application of Molecular Field Analysis. Archiv Der Pharmazie, 2008, 341, 357-364.	4.1	9
38	Targeted crystallisation of novel carbamazepine solvates based on a retrospective Random Forest classification. CrystEngComm, 2008, 10, 23-25.	2.6	51
39	Exploring DNA topoisomerase I inhibition by the benzo[c]phenanthridines fagaronine and ethoxidine using steered molecular dynamics. Bioorganic and Medicinal Chemistry, 2007, 15, 4741-4752.	3.0	14
40	2-Aryl-3,3,3-trifluoro-2-hydroxypropionic acids: A new class of protein tyrosine phosphatase 1B inhibitors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6579-6583.	2.2	30
41	A modelling study of a non-concerted hydrolytic cycloaddition reaction by the catalytic antibody H11. Bioorganic and Medicinal Chemistry, 2006, 14, 2674-2683.	3.0	2
42	Atmospheric pressure chemical vapour deposition of fluorine-doped tin(IV) oxide from fluoroalkyltin precursors. Applied Organometallic Chemistry, 2005, 19, 644-657.	3.5	11
43	Atmospheric pressure deposition of fluorine-doped SnO2 thin films from organotin fluorocarboxylate precursors. Applied Organometallic Chemistry, 2005, 19, 658-671.	3.5	22
44	The experimental gas-phase structures of 1,3,5-trisilylbenzene and hexasilylbenzene and the theoretical structures of all benzenes with three or more silyl substituents. Dalton Transactions, 2005, , 2292.	3.3	6
45	In Silico Footprinting of Ligands Binding to the Minor Groove of DNA. Journal of Chemical Information and Modeling, 2005, 45, 1896-1907.	5.4	13
46	DNA binding of a short lexitropsin. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1353-1356.	2.2	27
47	The molecular structures of pentaborane(9) with halogen substituents in apical and basal positions, determined by electron diffraction and theoretical calculations. Dalton Transactions, 2004, , 1719-1725.	3.3	3
48	Short Lexitropsin that Recognizes the DNA Minor Groove at 5â€˜-ACTAGT-3â€˜:Â Understanding the Role of Isopropyl-thiazole. Journal of the American Chemical Society, 2004, 126, 11338-11349.	13.7	39
49	The molecular structure of tetra-tert-butyldiphosphine: an extremely distorted, sterically crowded molecule. Dalton Transactions, 2004, , 2469-2476.	3.3	108
50	Molecular Structure of Ru(Î·-C5Me5)(Î·-C5F5) by Gas-Phase Electron Diffraction and Density Functional Theory. Organometallics, 2002, 21, 4840-4846.	2.3	10