

# Blair F Johnston

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Exploring the Experimental and Computed Crystal Energy Landscape of Olanzapine. <i>Crystal Growth and Design</i> , 2013, 13, 1602-1617.	3.0	123
2	The molecular structure of tetra-tert-butylidiphosphine: an extremely distorted, sterically crowded molecule. <i>Dalton Transactions</i> , 2004, , 2469-2476.	3.3	108
3	Current strategies for drug discovery through natural products. <i>Expert Opinion on Drug Discovery</i> , 2010, 5, 559-568.	5.0	77
4	Degradation Behavior of Silk Nanoparticlesâ€™ Enzyme Responsiveness. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 942-951.	5.2	74
5	Enabling precision manufacturing of active pharmaceutical ingredients: workflow for seeded cooling continuous crystallisations. <i>Molecular Systems Design and Engineering</i> , 2018, 3, 518-549.	3.4	66
6	<i>In silico</i> modelling of drugâ€™polymer interactions for pharmaceutical formulations. <i>Journal of the Royal Society Interface</i> , 2010, 7, S423-33.	3.4	61
7	Targeted crystallisation of novel carbamazepine solvates based on a retrospective Random Forest classification. <i>CrystEngComm</i> , 2008, 10, 23-25.	2.6	51
8	Metabolic Reprogramming of Macrophages Exposed to Silk, Poly(lacticâ€™glycolic acid), and Silica Nanoparticles. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601240.	7.6	51
9	Identification of 2-Aminothiazole-4-Carboxylate Derivatives Active against <i>Mycobacterium tuberculosis</i> H37Rv and the Î²-Ketoacyl-ACP Synthase mtFabH. <i>PLoS ONE</i> , 2009, 4, e5617.	2.5	47
10	Side-on binding of p-sulphonatocalix[4]arene to the dinuclear platinum complex trans- $[\text{PtCl}(\text{NH}_3)_2]_2\text{1/4-dpzm}]^{2+}$ and its implications for anticancer drug delivery. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 448-454.	3.5	41
11	Short Lexitropsin that Recognizes the DNA Minor Groove at 5â€™-ACTAGT-3â€™:Â Understanding the Role of Isopropyl-thiazole. <i>Journal of the American Chemical Society</i> , 2004, 126, 11338-11349.	13.7	39
12	The Drug Discovery Portal: a resource to enhance drug discovery from academia. <i>Drug Discovery Today</i> , 2010, 15, 679-683.	6.4	37
13	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. <i>Chemical Engineering Journal</i> , 2017, 308, 669-682.	12.7	37
14	2-Aryl-3,3,3-trifluoro-2-hydroxypropionic acids: A new class of protein tyrosine phosphatase 1B inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6579-6583.	2.2	30
15	Manufacture and Drug Delivery Applications of Silk Nanoparticles. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	29
16	DNA binding of a short lexitropsin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1353-1356.	2.2	27
17	Olanzapine crystal symmetry originates in preformed centrosymmetric solute dimers. <i>Nature Chemistry</i> , 2020, 12, 914-920.	13.6	26
18	Folding of dinuclear platinum anticancer complexes within the cavity of para-sulphonatocalix[4]arene. <i>Inorganica Chimica Acta</i> , 2012, 393, 182-186.	2.4	23

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19	Microfluidic-assisted silk nanoparticle tuning. <i>Nanoscale Advances</i> , 2019, 1, 873-883.	4.6	23
20	Atmospheric pressure deposition of fluorine-doped SnO <sub>2</sub> thin films from organotin fluorocarboxylate precursors. <i>Applied Organometallic Chemistry</i> , 2005, 19, 658-671.	3.5	22
21	Associations between obesity and cognition in the pre-school years. <i>Obesity</i> , 2016, 24, 207-214.	3.0	22
22	Regioselective Reaction of Heterocyclic <i>N</i> -Oxides, an Acyl Chloride, and Cyclic Thioethers. <i>Journal of Organic Chemistry</i> , 2018, 83, 1510-1517.	3.2	20
23	A random forest model for predicting the crystallisability of organic molecules. <i>CrystEngComm</i> , 2015, 17, 4272-4275.	2.6	19
24	Quantification of swelling characteristics of pharmaceutical particles. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119903.	5.2	19
25	Aqueous Solubility of Organic Salts. Investigating Trends in a Systematic Series of 51 Crystalline Salt Forms of Methylephedrine. <i>Crystal Growth and Design</i> , 2017, 17, 3277-3286.	3.0	17
26	Surface-Mediated Two-Dimensional Growth of the Pharmaceutical Carbamazepine. <i>ACS Nano</i> , 2010, 4, 5061-5068.	14.6	15
27	Exploring DNA topoisomerase I inhibition by the benzo[ <i>c</i> ]phenanthridines fagaronine and ethoxidine using steered molecular dynamics. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4741-4752.	3.0	14
28	Investigation of Acrylic Acid at High Pressure Using Neutron Diffraction. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4044-4051.	2.6	14
29	Unraveling the Impact of High-Order Silk Structures on Molecular Drug Binding and Release Behaviors. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4278-4284.	4.6	14
30	In Silico Footprinting of Ligands Binding to the Minor Groove of DNA. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 1896-1907.	5.4	13
31	A random forest model for predicting crystal packing of olanzapine solvates. <i>CrystEngComm</i> , 2018, 20, 3947-3950.	2.6	13
32	A Novel Integrated Workflow for Isolation Solvent Selection Using Prediction and Modeling. <i>Organic Process Research and Development</i> , 2021, 25, 1143-1159.	2.7	13
33	Non-leaching, Highly Biocompatible Nanocellulose Surfaces That Efficiently Resist Fouling by Bacteria in an Artificial Dermis Model. <i>ACS Applied Bio Materials</i> , 2020, 3, 4095-4108.	4.6	12
34	Atmospheric pressure chemical vapour deposition of fluorine-doped tin(IV) oxide from fluoroalkyltin precursors. <i>Applied Organometallic Chemistry</i> , 2005, 19, 644-657.	3.5	11
35	Molecular Structure of Ru( $\eta$ -C <sub>5</sub> Me <sub>5</sub> )( $\eta$ -C <sub>5</sub> F <sub>5</sub> ) by Gas-Phase Electron Diffraction and Density Functional Theory. <i>Organometallics</i> , 2002, 21, 4840-4846.	2.3	10
36	Is the BTS/SIGN guideline confusing? A retrospective database analysis of asthma therapy. <i>Primary Care Respiratory Journal: Journal of the General Practice Airways Group</i> , 2013, 22, 290-295.	2.3	10

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37	Impact of Paracetamol Impurities on Face Properties: Investigating the Surface of Single Crystals Using TOF-SIMS. <i>Crystal Growth and Design</i> , 2018, 18, 2750-2758.	3.0	10
38	3D-QSAR Studies on Chromone Derivatives as HIV-1 Protease Inhibitors: Application of Molecular Field Analysis. <i>Archiv Der Pharmazie</i> , 2008, 341, 357-364.	4.1	9
39	Experimental and Predicted Crystal Energy Landscapes of Chlorothiazide. <i>Crystal Growth and Design</i> , 2011, 11, 405-413.	3.0	9
40	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. <i>Dalton Transactions</i> , 2005, , 2292.	3.3	6
41	Changes to inhaled corticosteroid dose when initiating combination inhaler therapy in long-acting $\beta_2$ agonist-naïve patients with asthma: a retrospective database analysis. <i>Thorax</i> , 2014, 69, 1056-1058.	5.6	6
42	Structural investigation and compression of a co-crystal of indomethacin and saccharin. <i>CrystEngComm</i> , 2019, 21, 4465-4472.	2.6	6
43	A complementary experimental and computational study of loxapine succinate and its monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1273-1278.	0.4	5
44	Combined Chemoinformatics Approach to Solvent Library Design Using clusterSim and Multidimensional Scaling. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 1807-1815.	5.4	4
45	The molecular structures of pentaborane(9) with halogen substituents in apical and basal positions, determined by electron diffraction and theoretical calculations. <i>Dalton Transactions</i> , 2004, , 1719-1725.	3.3	3
46	The Drug Discovery Portal: A Computational Platform for Identifying Drug Leads from Academia. <i>Current Pharmaceutical Design</i> , 2010, 16, 1697-1702.	1.9	3
47	Carbamazepine on a carbamazepine monolayer forms unique 1D supramolecular assemblies. <i>Chemical Communications</i> , 2011, 47, 9627.	4.1	3
48	A modelling study of a non-concerted hydrolytic cycloaddition reaction by the catalytic antibody H11. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 2674-2683.	3.0	2
49	Nicotinamide-2,2,2-trifluoroethanol (2/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o727-o728.	0.2	2
50	PI-3K...Dysregulation of endothelial cell connexin-43 localisation in response to doxorubicin. , 2020, , .		0