

Jonathan C Burley

List of Publications by Year in descending order

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236925

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3593
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Excipients on Salt Disproportionation during Dissolution: A Novel Application of In Situ Raman Imaging. <i>Molecular Pharmaceutics</i> , 2021, 18, 3247-3259.	4.6	5
2	Poly (Glycerol Adipate): From a Functionalized Nanocarrier to a Polymeric-Prodrug Matrix to Create Amorphous Solid Dispersions. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1347-1355.	3.3	14
3	Investigation of Potential Amorphisation and Co-Amorphisation Behaviour of the Benzene Di-Carboxylic Acids upon Cryo-Milling. <i>Molecules</i> , 2019, 24, 3990.	3.8	1
4	Application of biorelevant saliva-based dissolution for optimisation of orally disintegrating formulations of felodipine. <i>International Journal of Pharmaceutics</i> , 2019, 555, 228-236.	5.2	15
5	Establishing a New Method to Evaluate the Recrystallization of Nanogram Quantities of Paracetamol Printed as a Microarray Using Inkjet Printing. <i>Crystal Growth and Design</i> , 2019, 19, 638-647.	3.0	1
6	Water Solubility Enhancement of Pyrazolo[3,4- <i>d</i>]pyrimidine Derivatives via Miniaturized Polymer-Drug Microarrays. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 193-197.	2.8	10
7	High-Throughput Miniaturized Screening of Nanoparticle Formation via Inkjet Printing. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800146.	3.6	8
8	In Silico Screening for Solid Dispersions: The Trouble with Solubility Parameters and fH . <i>Molecular Pharmaceutics</i> , 2018, 15, 4654-4667.	4.6	35
9	Rapid Nanogram Scale Screening Method of Microarrays to Evaluate Drug-Polymer Blends Using High-Throughput Printing Technology. <i>Molecular Pharmaceutics</i> , 2017, 14, 2079-2087.	4.6	12
10	Rapid quantification of low level polymorph content in a solid dose form using transmission Raman spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 35-45.	2.8	36
11	Use of the Dynamic Gastric Model as a tool for investigating fed and fasted sensitivities of low polymer content hydrophilic matrix formulations. <i>International Journal of Pharmaceutics</i> , 2016, 510, 210-220.	5.2	14
12	New N-acyl amino acid-functionalized biodegradable polyesters for pharmaceutical and biomedical applications. <i>RSC Advances</i> , 2016, 6, 109401-109405.	3.6	25
13	Properties of acyl modified poly(glycerol-adipate) comb-like polymers and their self-assembly into nanoparticles. <i>Journal of Polymer Science Part A</i> , 2016, 54, 3267-3278.	2.3	45
14	Indomethacin-Kollidon VA64 Extrudates: A Mechanistic Study of pH-Dependent Controlled Release. <i>Molecular Pharmaceutics</i> , 2016, 13, 1166-1175.	4.6	32
15	Investigating the Dissolution Performance of Amorphous Solid Dispersions Using Magnetic Resonance Imaging and Proton NMR. <i>Molecules</i> , 2015, 20, 16404-16418.	3.8	17
16	Thermal Behavior of Benzoic Acid/Isonicotinamide Binary Cocrystals. <i>Crystal Growth and Design</i> , 2015, 15, 3249-3256.	3.0	8
17	3D printing of tablets containing multiple drugs with defined release profiles. <i>International Journal of Pharmaceutics</i> , 2015, 494, 643-650.	5.2	384
18	The influence of polymer content on early gel-layer formation in HPMC matrices: The use of CLSM visualisation to identify the percolation threshold. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 485-492.	4.3	21

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19	In situ Raman mapping for identifying transient solid forms. CrystEngComm, 2015, 17, 5280-5287.	2.6	8
20	Monitoring the Dissolution Mechanisms of Amorphous Bicalutamide Solid Dispersions via Real-Time Raman Mapping. Molecular Pharmaceutics, 2015, 12, 1512-1522.	4.6	26
21	3D printing of five-in-one dose combination polypill with defined immediate and sustained release profiles. Journal of Controlled Release, 2015, 217, 308-314.	9.9	446
22	Insights into the influence of the cooling profile on the reconstitution times of amorphous lyophilized protein formulations. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 247-254.	4.3	46
23	Desktop 3D printing of controlled release pharmaceutical bilayer tablets. International Journal of Pharmaceutics, 2014, 461, 105-111.	5.2	404
24	Sucrose/Glucose Molecular Alloys by Cryomilling. Journal of Pharmaceutical Sciences, 2014, 103, 2098-2106.	3.3	6
25	Quantification of pharmaceuticals via transmission Raman spectroscopy: data sub-selection. Analyst, The, 2014, 139, 74-78.	3.5	7
26	High throughput screening for biomaterials discovery. Journal of Controlled Release, 2014, 190, 115-126.	9.9	38
27	Real time Raman imaging to understand dissolution performance of amorphous solid dispersions. Journal of Controlled Release, 2014, 188, 53-60.	9.9	62
28	Strategies for MCR image analysis of large hyperspectral data sets. Surface and Interface Analysis, 2013, 45, 466-470.	1.8	15
29	A kinetic and mechanistic study into the formation of the Cu-Cr layered double hydroxide. Physical Chemistry Chemical Physics, 2013, 15, 8616.	2.8	12
30	Analysis and prediction of defects in UV photo-initiated polymer microarrays. Journal of Materials Chemistry B, 2013, 1, 1035-1043.	5.8	18
31	Correlating Physicochemical Properties of Boronic Acid-Chitosan Conjugates to Glucose Adsorption Sensitivity. Pharmaceutics, 2013, 5, 69-80.	4.5	12
32	The selective intercalation of organic carboxylates and sulfonates into hydroxy double salts. Journal of Materials Chemistry, 2012, 22, 13600.	6.7	18
33	Investigating the Recrystallization Behavior of Amorphous Paracetamol by Variable Temperature Raman Studies and Surface Raman Mapping. Molecular Pharmaceutics, 2012, 9, 1544-1558.	4.6	56
34	Transmission Raman spectroscopy for quality control in model cocrystal tablets. Analyst, The, 2012, 137, 3052.	3.5	20
35	Analysis of phase transitions in molecular solids: quantitative assessment of phonon-mode vs intra-molecular spectral data. RSC Advances, 2012, 2, 209-216.	3.6	10
36	Probing Intermolecular Hydrogen Bonding in Sildenafil Hydrochloride Polymorphs by High-Resolution 1H Double-Quantum Solid-State NMR Spectroscopy. Journal of Pharmaceutical Sciences, 2012, 101, 1821-1830.	3.3	20

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37	Confocal Raman Microscope Mapping of a Kofler Melt. <i>Crystal Growth and Design</i> , 2011, 11, 422-430.	3.0	11
38	The application of statistical methodology to the analysis of time-resolved X-ray diffraction data. <i>Analytical Methods</i> , 2011, 3, 814.	2.7	12
39	Identifying Guanosine Self Assembly at Natural Isotopic Abundance by High-Resolution ¹ H and ¹³ C Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 19777-19795.	13.7	72
40	An assessment of beclomethasone dipropionate clathrate formation in a model suspension metered dose inhaler. <i>International Journal of Pharmaceutics</i> , 2010, 391, 98-106.	5.2	10
41	Transmission Raman spectroscopy as a tool for quantifying polymorphic content of pharmaceutical formulations. <i>Analyst</i> , 2010, 135, 2328.	3.5	60
42	Rapid polymorph screening on milligram quantities of pharmaceutical material using phonon-mode Raman spectroscopy. <i>CrystEngComm</i> , 2010, 12, 1038-1040.	2.6	33
43	Structural diversity in imidazolidinone organocatalysts: a synchrotron and computational study. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, o10-o14.	0.4	24
44	Exploring the relationship between cocrystal stability and symmetry: is Wallach's rule applicable to multi-component solids?. <i>Chemical Communications</i> , 2008, , 1644.	4.1	70
45	Concomitant Hydrate Polymorphism in the Precipitation of Sparfloxacin from Aqueous Solution. <i>Crystal Growth and Design</i> , 2008, 8, 114-118.	3.0	27
46	Structure and Phase Transitions of Genipin, An Herbal Medicine and Naturally Occurring Cross-Linker. <i>Crystal Growth and Design</i> , 2008, 8, 1748-1753.	3.0	15
47	Diclofenac Solubility: Independent Determination of the Intrinsic Solubility of Three Crystal Forms. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 979-983.	6.4	109
48	Structural control of dithiazolyl radicals: Case studies on 3- and 4-cyano-benzo-1,3,2-dithiazolyl, NCC6H3S2N. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2750-2760.	1.8	22
49	A new method for the reproducible generation of polymorphs: two forms of sulindac with very different solubilities. <i>Journal of Applied Crystallography</i> , 2007, 40, 379-381.	4.5	44
50	Dichloro[(1-5-cyclopentadienyl)dimethyl(1-5-3-phenylindenyl)silane]hafnium(IV): a powder study. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m238-m240.	0.2	0
51	Enforcing Ostwald's rule of stages: Isolation of paracetamol forms III and II. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 31, 271-276.	4.0	84
52	Polymorphism of Scyllo-Inositol: Joining Crystal Structure Prediction with Experiment to Elucidate the Structures of Two Polymorphs. <i>Crystal Growth and Design</i> , 2006, 6, 2301-2307.	3.0	23
53	Insights into crystallization mechanism: a synchrotron study of polymorphism in a cobalt acetate cluster compound. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, m63-m66.	0.4	3
54	Ampicillin trihydrate from synchrotron powder diffraction data. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o797-o799.	0.2	16

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55	Pamoic acid determined from powder diffraction data. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o1170-o1172.	0.2	11
56	Amodiaquinium dichloride dihydrate from laboratory powder diffraction data. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4196-o4199.	0.2	13
57	Exploring cocrystalâ€œcocrystal reactivity via liquid-assisted grinding: the assembling of racemic and dismantling of enantiomeric cocrystals. Chemical Communications, 2006, , 5009-5011.	4.1	102
58	Structure and intermolecular interactions of glipizide from laboratory X-ray powder diffraction. Acta Crystallographica Section B: Structural Science, 2005, 61, 710-716.	1.8	22
59	$\frac{1}{2}$ -Aqua-bis($\frac{1}{2}$ -trifluoroaceto- \hat{O})bis[bis(pyridine- \hat{N})(trifluoroaceto- \hat{O})cobalt(II)]. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m1422-m1424.	0.2	5
60	Magnetism and structural chemistry of the n=2 Ruddlesdenâ€œPopper phase La3LiMnO7. Journal of Solid State Chemistry, 2004, 177, 119-125.	2.9	19
61	Syntheses, structures and magnetic properties of Mn(ii) dimers [CpMn($\frac{1}{4}$ -X)]2(Cp = C5H5; X = RNH, R1R2N,) Tj ETQq1 1 0.784314 mgE 3.3 37	1.1	37
62	Synthesis and structural characterization of Ba14Pd3Ir8O33. Journal of Solid State Chemistry, 2003, 174, 96-103.	2.9	4
63	Crystal and magnetic structure of NdBaCo2O5+ $\frac{1}{2}$: Spin states in a perovskite-derived, mixed-valent cobaltite. Journal of Applied Physics, 2003, 93, 7364-7366.	2.5	27
64	Synthesis and Characterization of Ru-Doped n= 1 and n= 2 Ruddlesdenâ€œPopper Manganates. Chemistry of Materials, 2002, 14, 3976-3983.	6.7	14
65	Magnetism and Structural Chemistry of the n = 1 Ruddlesdenâ€œPopper Phases La4LiMnO8 and La3SrLiMnO8. Journal of the American Chemical Society, 2002, 124, 620-628.	13.7	38
66	Structural and Magnetic Chemistry of La2Sr2BMnO8 (B=Mg, Zn). Journal of Solid State Chemistry, 2002, 168, 202-207.	2.9	6
67	Control of Magnetic Ordering by Jahnâ€œTeller Distortions in Nd2GaMnO6 and La2GaMnO6. Journal of the American Chemical Society, 2001, 123, 1111-1122.	13.7	44
68	Incommensurate phases in the Ba-Mn-Pd-O system. Journal of Materials Chemistry, 1999, 9, 479-483.	6.7	15