

Author List	Title	Journal	Volume	Issue	Pages
B de Souza, G Cogoni, R Tyrrell, PJ Frawley	Evidence of <a href="#">Crystal Nuclei Breeding in Laboratory Scale Seeded Batch Isothermal Crystallization Experiments</a>	Crystal Growth & Design	16	6	3443-3453
Sajjia, M., Shirazian, S., Kelly, C.B., Albadarin, A.B., Walker, G.	ANN <a href="#">Analysis of a Roller Compaction Process in the Pharmaceutical Industry</a>	Chemical Engineering and Technology			
Albadarin, A.B., Lewis, T.D., Walker, G.M.	Granulated <a href="#">polyhalite fertilizer caking propensity</a>	Powder Technology	308		193
Matteo Planchestainer, Martina Letizia Contente, Jennifer Cassidy, Francesco Molinari, Lucia Tamborini, Francesca Paradisi	Continuous <a href="#">flow biocatalysis: production and in-line purification of amines by immobilised transaminase from Halomonas elongata</a>	Green Chem.			
U. B. Rao Khandavilli, Balakrishna R. Bhogala, Anita R. Maguire and Simon E. Lawrence	Symmetry <a href="#">assisted tuning of bending and brittle multi-component forms of probenecid</a>	Chemical communications			
Shirazian, S., Kuhs, M., Darwish, S., Croker, D., Walker, G.M.	Artificial <a href="#">neural network modelling of continuous wet granulation using a twin-screw extruder</a>	International Journal of Pharmaceutics			
Lijun Jia, Michael Svard, Ake C. Rasmuson	Crystal <a href="#">Growth of Salicylic Acid in Organic Solvents</a>	Crystal Growth and Design			
Davis, M.T., Potter, C.B., Mohammadpour, M., Albadarin, A.B., Walker, G.M.	Design of spray dried ternary solid <a href="#">dispersions comprising itraconazole, soluplus and HPMCP: Effect of constituent compositions</a>	International Journal of Pharmaceutics			
Cian Kingston, Patrick J. Guiry	Enantiodivergent Synthesis of Tertiary $\alpha$ -Aryl 1-Indanones: <a href="#">Evidence Toward Disparate Mechanisms in the Palladium-Catalyzed Decarboxylative Asymmetric Protonation</a>	The Journal of Organic Chemistry	82	7	3806–3819
Rolan M, Serrano DR, Lalatsa A, de Pablo E, Torrado JJ, Ballesteros MP, Healy AM, Vega C, Coronel C, Bolas-Fernandez F, Dea-Ayuela MA	Engineering <a href="#">Oral and Parenteral Amorphous Amphotericin B Formulations against Experimental Trypanosoma cruzi Infections</a>	Molecular pharmaceutics	14	4	1095-1106
Claire Heffernan, Marko Ukrainczyk, Rama Krishna Gamidi, B. Kieran Hodnett, and Ake C. Rasmuson	Extraction and <a href="#">Purification of Curcuminoids from Crude Curcumin by a Combination of Crystallization and Chromatography</a>	Organic Process Design and Development			

Declan P. Gavin, Aoife Foley, Thomas S. Moody, U.B. Rao Khandavilli, Simon E. Lawrence, Pat O'Neill, Anita R. Maguire	<a href="#">Hydrolase-mediated resolution of the hemiacetal in 2-chromanols: The impact of remote substitution</a>	Tetrahedron: Asymmetry	28	4	577-585
Bueno RA, Crowley CM, Hodnett BK, Hudson S, Davern P.	Influence <a href="#">of Process Parameters on the Heterogeneous Nucleation of Active Pharmaceutical Ingredients onto Excipients</a>	Organic Process Research and Development	21	4	559-570
Sajjia, M., Shirazian, S., Egan, D., Iqbal, J., Albadarin, A.B., Southern, M., Walker, G.	Mechanistic <a href="#">modelling of industrial-scale roller compactor 'Freund TF-MINI model'</a>	Computers and Chemical Engineering			
Mary Ellen Crowley, Avril Hegarty, Michael A.P. McAuliffe, Graham E. O'Mahony, Luke Kiernan, Kevin Hayes, Abina M. Crean	Near-infrared monitoring of roller compacted <a href="#">ribbon density: Investigating sources of variation contributing to noisy spectral data</a>	European Journal of Pharmaceutical Sciences			
Potter C.B., Kollamaram G., Zeglinski J., Whitaker D.A., Croker D.M., Walker G.M.	Investigation <a href="#">of polymorphic transitions of piracetam induced during wet granulation</a>	European Journal of Pharmaceutical & Bio pharmaceutical research			
Kumar, V., Connon, S.J.	Direct, <a href="#">efficient NHC-catalysed aldehyde oxidative amidation: In situ formed benzils as unconventional acylating agents</a>	Chemical Communications			
Carol A. McCarthy, Waleed Faisal, Joseph P. O'Shea, Colm Murphy, Katie B. Ryan, Brendan T. Griffin, Abina M. Crean	In vitro dissolution models for the <a href="#">prediction of in vivo performance of an oral mesoporous silica formulation</a>	Journal of Controlled Release	250		86-94
Tierney T, Bodnar K, Rasmuson Ake, Hudson S	Carrier <a href="#">particle design for stabilization and isolation of drug nanoparticles</a>	International journal of pharmaceuticals	518	01-Feb	111-118
de Souza, B., Keshavarz, L., Cogoni, G., Frawley, P.J.	Pressurized-Synthetic Methodology for <a href="#">Solubility Determination at Elevated Temperatures with Application to Paracetamol in Pure Solvents</a>	Journal of Chemical and Engineering Data, 62 (5), pp 1689-1700	62	5	1689-1700
A.R. Pallipurath, F. Civati, J. Sibick, C. Crowley, A. J. Zeitler, P. McArdle, A. Erxleben	A comprehensive <a href="#">spectroscopic study of the polymorphs of diflunisal and their phase transformations</a>	Int. J. Pharm.			

Hanah Mesallati, Anita Umerska, Krzysztof J. Paluch, Lidia Tajber	Amorphous <a href="#">Polymeric Drug Salts as Ionic Solid Dispersion Forms of Ciprofloxacin</a>	Molecular Pharmaceutics			
<b>Worku ZA</b> , Kumar D, Gomes JV, He Y, Glennon B, Ramisetty KA, Rasmuson Å...C, O'Connell P, Gallagher K. H., Woods T, Shastri NR, Healy AM	<b>Modelling</b> and understanding powder flow properties and compactability of selected active <a href="#">pharmaceutical ingredients, Excipients and physical mixtures from critical material properties</a>	<b>International</b> journal of pharmaceutics	<b>531</b>	<b>1</b>	<b>191-204</b>
M. Aljohani, A. Pallipurath, P. McArdle, A. Erxleben,	A <a href="#">comprehensive cocrystal screening study of chlorothiazide</a>	Cryst. Growth Des.			
Aoife M. Foley, Declan P. Gavin, Ilona Joniec, Anita R. Maguire	Impact of variation of the acyl group <a href="#">on the efficiency and selectivity of the lipase-mediated resolution of 2-phenylalkanols</a>	Tetrahedron: Asymmetry	28	9	1144-1153
Tierney, Teresa; Rasmuson, Ake C.; Hudson, Sarah	Size <a href="#">and shape control of micron-sized salicylic acid crystals during antisolvent crystallization</a>	Organic Process Research and Development	21		1732-1740
Ahuja, D., Pauric Bannigan and Ake C. Rasmuson	Study <a href="#">of three solvates of sulfamethazine</a>	CrystEngComm	19		6481-6488
K. Gniado, P. MacFhionnghaile, P. McArdle, A. Erxleben.	The Natural Bile Acid Surfactant Sodium Taurocholate (NaTC) as a Coformer <a href="#">in Coamorphous Systems: Enhanced Physical Stability and Dissolution Behavior of Coamorphous Drug-NaTC Systems</a>	Int. J. Pharm.			
Hanah Mesallati, Lidia Tajber	Polymer/ <a href="#">Amorphous Salt Solid Dispersions of Ciprofloxacin</a>	Pharmaceutical Research			
Li, B., Casamayou-Boucau, Y., Calvet, A., and Ryder, A.G.	Chemometric <a href="#">approaches to Low-content quantification (LCQ) in solid-state mixtures using Raman mapping spectroscopy</a>	Analytical Methods	9		6293 - 6301
Serrano DR, Walsh D, O'Connell P, Mugheirbi NA, Ayenew Worku Z, Bolas-Fernandez F, Galiana C, Auxiliadora Dea-Ayuela M, Marie Healy A	Optimising the <a href="#">in vitro and in vivo performance of oral cocrystal formulations via spray coating</a>	European journal of pharmaceutics and biopharmaceutics : official journal of Arbeitsgemeinschaft fur Pharmazeutische Verfahrenstechnik e.V	124		13-27
Jennifer Cassidy, Larah Bruen, Elena Rosini, Gianluca Molla, Loredano Pollegioni, Francesca Paradisi	Engineering <a href="#">substrate promiscuity in halophilic alcohol dehydrogenase (HvADH2) by in silico design</a>	PLOS ONE			

Verma, V., Peddapatla, R.V.G., Crowley, C.M., Crean, A.M., Davern, P., Hudson, S., Hodnett, B.K.	Experimental Study on the Influence of <a href="#">Excipients on the Heterogeneous Crystallization and Dissolution Properties of an Active Pharmaceutical Ingredient</a>	Crystal Growth and Design	18		338-350
<b>A. Maguire</b> , R. O'Mahony, D. Lynch, H. Hayes, E. Ni Thuama, P. Donnellan, R. Jones, B. Glennon & S. Collins	<b>Exploiting</b> the Continuous <a href="#">In Situ Generation of Mesyl Azide for Use in a Telescoped Process</a>	<b>European Journal of Organic Chemistry</b>			
Mesallati H, Conroy D, Hudson S, Tajber L	Preparation <a href="#">and characterization of amorphous ciprofloxacin-amino acid salts</a>	European journal of pharmaceutics and biopharmaceutics : official journal of Arbeitsgemeinschaft fur Pharmazeutische Verfahrenstechnik e.V	121		73-89
Christina Despotopoulou, Sean C. McKeon, Robert Connon, Vincent Coeffard, Helge Muller-Bunz, Patrick J. Guiry	Application of a <a href="#">One-Pot Friedel-Crafts Alkylation/Michael Addition Methodology to the Asymmetric Synthesis of Ergoline Derivatives</a>	European Journal of Organic Chemistry		45	6734-6738
Walsh D, Serrano DR, Worku ZA, Norris BA, Healy AM	<a href="#">Production of Cocrystals in an Excipient Matrix by Spray Drying</a>	International journal of pharmaceutics	536	1	467-477
Gerard P. McGlacken, Sarah Hayes, Anita R. Maguire, Jon O'Halloran, and Kieran Hodnett	Industry Academia Partnership: The Synthesis and <a href="#">Solid-State Pharmaceutical Centre (SSPC) as a Collaborative Approach from Molecule to Medicine</a>	Chemistry: A European Journal			
Albadarin, A.B., Collins, M.N., Naushad, M., Shirazian, S., Walker, G., Mangwandi, C.	<a href="#">Activated lignin-chitosan extruded blends for efficient adsorption of methylene blue</a>	Chemical Engineering Journal	307	2017	264-272
Yanyan, L., Kurniawan, T.A., Albadarin, A.B., Walker, G.	Enhanced removal of acetaminophen from synthetic wastewater using multi-walled carbon nanotubes (MWCNTs) chemically modified with NaOH, <a href="#">HNO<sub>3</sub> / H<sub>2</sub>SO<sub>4</sub></a> , <a href="#">ozone</a> , <a href="#">and/or chitosan</a>	Journal of Molecular Liquids	251	Feb-18	369-377