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Journal Refereed Research Publications Directly Supported by SFI award						
Author List (as published)	Publication Title	Year	Journal	Volume	Issue	Page numbers *
MacFhionnghaile, Pol; Hu, Yun; McArdle, Patrick; Erxleben, Andrea	A comprehensive near infrared spectroscopic study of the limits of quantitative analysis of sulfathiazole polymorphism	2013	Journal of Near Infrared Spectroscopy	21	1	55-66
Karpinska, Jolanta; Erxleben, Andrea; McArdle, Patrick	Applications of Low Temperature Gradient Sublimation in Vacuo: Rapid Production of High Quality Crystals. The First Solvent-Free Crystals of Ethinyl Estradiol	2013	Crystal Growth & Design	13	3	1122-1130
Karpinska, Jolanta; Erxleben, Andrea; McArdle, Patrick	17 $\beta$ -Hydroxy-17 $\alpha$ -methylandrosta-1,4-dien-3-one	2013	Acta Crystallographica, Section E: Structure Reports	69	1	o60
Hennigan, Michelle.C., Ryder, Alan G.	Quantitative polymorph contaminant analysis in tablets using Raman and near infra-red spectroscopies.	2013	Journal of Pharmaceutical and Biomedical Analysis	72		163-171
Curtin V., Amharar Y., Hu Y., Erxleben A., McArdle P., Caron V., Tajber L., Corrigan O.I. and Healy A.M.	Investigation of the capacity of low glass transition temperature excipients to minimise amorphisation of sulfadimidine on co-milling.	2013	Molecular Pharmaceutics	10	1	386-396
Caron, V., Hu, Y., Tajber, L., Erxleben, A., Corrigan, O.I., McArdle, P. and Healy, A.M.	Amorphous solid dispersions of sulfonamide/Soluplus® and sulfonamide/PVP prepared by ball milling	2013	AAPS PharmSciTech	14	1	464-474
Wojnarowska Z., Kołodziejczyk K., Paluch K.J., Tajber L., Grzybowska K., Ngai K.L. and Paluch M.	Decoupling of conductivity relaxation from structural relaxation in protic ionic liquids and general properties.	2013	Physical Chemistry Chemical Physics	15	23	9205-9211
Kenny O, McCarthy C, Brunton N, Hossain M, Rai D, Collins S, Jones P, Maguire A*, O'Brien N	Anti-inflammatory properties of potato glycoalkaloids in stimulated Jurkat and Raw 264.7 mouse macrophages	2013	Life Sci.	92	13	775-782
C Slattery, A R Maguire*	Copper-catalysed enantioselective intramolecular C–H insertion reactions of $\alpha$ -diazo- $\beta$ -keto esters and $\alpha$ -diazo- $\beta$ -keto phosphonates	2013	Tet Lett	54		2799–2801
Long, Bohua; Tang, Shoubin; Chen, Ligong; Qu, Shiwei; Chen, Bo; Liu, Junyang; Maguire, Anita R; Wang, Zhuo; Liu, Yuqing; Zhang, Hui; Xu, Zhengshuang; Ye, Tao	Total synthesis of padanamides A and B	2013	Chem Comm	49	29	2977-2979
S G Collins, O C M O'Sullivan, P G Kelleher, A R Maguire*	Design and Synthesis of Stable $\alpha$ -Diazo- $\beta$ -oxo sulfoxides	2013	Org. Biomol. Chem	11		1706 – 1725



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F O McCarthy, A McCluskey, A R Maguire, J Sakoff, F Deane	Synthesis and evaluation of novel Ellipticines as potential anti-cancer agents	2013	Org & Biomol. Chem	11	8	1334 - 1344
D A Foley, P O'Leary, N R Buckley, S E Lawrence and A R Maguire	Synthetic approaches to the daucane sesquiterpene derivatives employing the intramolecular Buchner cyclisation of $\alpha$ -diazoketones	2013	Tetrahedron	69		1778-1794
C N Slattery, LA Clarke, A Ford, AR Maguire*	Catalyst, additive and counterion effects on the efficiency and enantioselectivity of copper-catalysed C-H insertion reactions of $\alpha$ -diazosulfones	2013	Tetrahedron	69	4	1297-1301
N M O'Brien, A R Maguire, C Forest, G Lizard, L Iuliano, F O McCarthy	Synthesis and assessment of the relative toxicity of the oxidised derivatives of campesterol and dihydrobrassicasterol in U937 and HepG2 cells	2013	Biochimie	95	(3)	496-503
John A. Hayes, Kevin S. Eccles, Curtis J. Elcoate, Carla A. Daly, Simon E. Lawrence and Humphrey A. Moynihan*	Crystal polymorphism of methyl 2,3,4-tri-O-acetyl-1-O-(trichloroacetimidoyl)- $\alpha$ -D-glucopyranouronate	2013	Journal of Chemical Crystallography	43	2	138-143
Humphrey A. Moynihan, John A. Hayes, Kevin S. Eccles, Simon J. Coles, Simon E. Lawrence	Hydrogen bonding in crystal forms of primary amide functionalized glucose and cellobiose	2013	Carbohydrate Research	374		29-39
Denise M Croker, Roger J. Davey, Åke C Rasmuson, and Colin C Seaton	Solution Mediated Phase Transformations between Co-crystals	2013	CrystEngComm	15	11	2044-2047
Shamim Bukenya, Tasnim Munshi, Ian J Scowen, Rachael Skyner, Darren A Whitaker, and Colin C Seaton	Building multi-component crystals from cations and co-crystals: the use of chaperones	2013	CrystEngComm	15	12	2241-2250
Marcus A O'Mahony, Colin C Seaton, Denise M Croker, Stephane Veesler, Åke C Rasmuson, and Benjamin Kieran Hodnett	Investigation into the Mechanism of Solution-Mediated Transformation from FI to FIII Carbamazepine: The Role of Dissolution and the Interaction between Polymorph Surfaces	2013	Crystal Growth & Design	13	5	1861-1871
Colin C Seaton, Tasnim Munshi, Sara E Williams, and Ian J Scowen	Multi-component crystals of 4-phenylpyridine: challenging the boundaries between co-crystal and organic salt formation with insight into solid-state proton transfer	2013	CrystEngComm	15	26	5250-5260
Colin C Seaton, Nicholas Blagden, Tasnim Munshi, and Ian J Scowen	Creation of Ternary Multi-Component Crystals by Exploitation of Charge Transfer Interactions	2013	Chemistry - A European Journal			In press
Denise M. Croker, Roger J. Davey, Åke C. Rasmuson, Colin C. Seaton	Nucleation in the p-toluenesulfonamide / triphenylphosphine oxide cocrystal system	2013	Crystal Growth & Design			In press