

Prof Ross Stewart Forgan MChem (Hons) FRSC MYAS

Publications List

Impact factors and citation data (Web of Science) correct as of 28th June 2021.

*78. F. Demir Duman and **R. S. Forgan*** “Applications of Nanoscale Metal-Organic Frameworks as Imaging Agents in Biology and Medicine” *J. Mater. Chem. B*, 2021, **9**, 3423–3449.

Invited review article.

(Impact Factor = 5.344, 0 citations).

77. C. S. Jennings, J. S. Rossman, B. A. Hourihan, R. J. Marshall, **R. S. Forgan** and B. A. Blight “Immobilising Giant Unilamellar Vesicles with Zirconium Metal-Organic Framework Anchors” *Soft Matter*, 2021, **17**, 2024–2027.

Featured on the inside cover of Issue 8, March 2021.

(Impact factor = 3.14, 0 citations).

*76. P. Markopoulou, N. Panagiotou, A. Li, R. Bueno-Perez, D. Madden, S. Buchanan, D. Fairen-Jimenez, P. G. Shiels and **R. S. Forgan*** “Identifying Differing Intracellular Cargo Release Mechanisms by Monitoring in vitro Drug Delivery from MOFs in Real Time” *Cell Rep. Phys. Sci.*, 2020, **1**, 100254.

(Impact factor not available, new journal, 0 citations).

75. G. Osorio-Toribio, M. de J. Velásquez-Hernández, P. G. M. Mileo, J. A. Zárate, J. Aguila-Rosas, G. Leyva-Gómez, R. Sánchez-Sánchez, J. J. Magaña, M. A. Pérez-Díaz, I. Abánades Lázaro, **R. S. Forgan**, G. Maurin, E. Lima and I. A. Ibarra “Controlled transdermal release of antioxidant ferulate by a Porous Sc(III) MOF” *iScience*, 2020, **23**, 101156.

(Impact factor = 4.447, 0 citations).

*74. **R. S. Forgan*** “Modulated Self-Assembly of Metal-Organic Frameworks” *Chem. Sci.* 2020, **11**, 4546–4562.

Invited Perspective Article

(Impact factor = 9.346, 24 citations).

*73. S. L. Griffin, M. L. Briuglia, J. H. ter Horst and **R. S. Forgan*** “Assessing Crystallisation Kinetics of Zr Metal-Organic Frameworks through Turbidity Measurements to Inform Rapid Microwave-Assisted Synthesis” *Chem. Eur. J.*, 2020, **26**, 6910-6918.

Hot Paper.

(Impact Factor = 4.857, 5 citations).

*72. S. Haddad, I. Abánades Lázaro, M. Fantham, A. Mishra, J. Silvestre-Albero, J. W. M. Osterrieth, G. S. Kaminski Schierle, C. F. Kaminski, **R. S. Forgan*** and D. Fairen-Jimenez “Design of a Functionalized Metal-Organic Framework System for Enhanced Targeted Delivery to Mitochondria” *J. Am. Chem. Soc.*, 2020, **142**, 6661–6674.

Featured in RSC Chemistry World 15th April 2020.

(Impact factor = 14.612, 21 citations).

*71. A. Sussardi, C. Hobday, R. J. Marshall, **R. S. Forgan***, A. C. Jones* and S. A. Moggach “Correlating Pressure-Induced Emission Modulation with Linker Rotation in a Photoluminescent MOF” *Angew. Chem. Int. Ed.* 2020, **59**, 8118–8122.

(Impact factor = 12.959, 6 citations).

- *70.** I. Abánades Lázaro, Connor J. R. Wells and **R. S. Forgan*** “Multivariate Modulation of the Zr MOF UiO-66 for Defect-Controlled Multimodal Anticancer Drug Delivery” *Angew. Chem. Int. Ed.* 2020, **59**, 5211–5217.
(Impact factor = 12.959, 29 citations).
- *69.** P. Markopoulou and **R. S. Forgan*** “Postsynthetic Modification of MOFs for Biomedical Applications” in *Metal-Organic Frameworks for Biomedical Applications*, 2020, Ch12, pp245-276, edited by Masoud Mozafari. Amsterdam, Netherlands: Elsevier.
(No impact factor, 2 citations).
- *68.** **R. S. Forgan*** “The Surface Chemistry of Metal-Organic Frameworks and their Applications” *Dalton Trans.* 2019, **48**, 9037–9042.
Invited Frontier Article
(Impact factor = 4.174, 14 citations).
- *67.** D. Bara, C. Wilson, M. Mörtel, M. M. Khusniyarov, S. Ling, B. Slater, S. Sproules, **R. S. Forgan*** “Kinetic Control of Interpenetration in Fe-Biphenyl-4,4'-Dicarboxylate Metal-Organic Frameworks by Coordination and Oxidation Modulation” *J. Am. Chem. Soc.* 2019, **141**, 8346–8357.
(Impact factor = 14.612, 20 citations).
- *66.** E. Angioni, R. J. Marshall, N. J. Findlay, J. Bruckbauer, B. Breig, D. J. Wallis, R. W. Martin, **R. S. Forgan*** and P. J. Skabara “Implementing Fluorescent MOFs as Down-Converting Layers in Hybrid Light-Emitting Diodes” *J. Mater. Chem. C* 2019, **7**, 2394–2400.
(Impact factor = 7.059, 8 citations).
- *65.** S. L. Griffin, C. Wilson and **R. S. Forgan*** “Uncovering the Structural Diversity of Y(III) Naphthalene-2,6-Dicarboxylate MOFs through Coordination Modulation” *Front. Chem.* 2019, **7**, 36.
(Impact factor = 3.994, 8 citations).
- *64.** I. Abánades Lázaro and **R. S. Forgan*** “Application of Zirconium MOFs in Drug Delivery and Biomedicine” *Coord. Chem. Rev.* 2019, **380**, 230–259.
(Impact factor = 15.367, 140 citations).
- *63.** I. Abánades Lázaro, S. Haddad, J. M. Rodrigo-Muñoz, R. J. Marshall, B. Sastre, V. del Pozo, D. Fairen-Jimenez and **R. S. Forgan*** “Surface-Functionalisation of Zr-Fumarate MOF for Selective Cytotoxicity and Immune System Compatibility in Nanoscale Drug Delivery” *ACS Appl. Mater. Interfaces*, 2018, **10**, 31146–31157.
(Impact factor = 8.758, 42 citations).
- 62.** J. S. Foster, A. W. Prentice, **R. S. Forgan**, M. J. Paterson, G. O. Lloyd “Targetable Mechanical Properties by Switching between Self-Sorting and Co-Assembly with *in situ* Formed Tripodal Ketoenamine Supramolecular Hydrogels” *ChemNanoMat*, 2018, **4**, 853–859.
Invited article for special issue on Supramolecular Nanostructures.
(Impact factor = 3.384, 4 citations).
- 61.** M. Barter, J. Hartley, F. –J. Yazigi, R. J. Marshall, **R. S. Forgan**, A. Porch and M. O. Jones “Simultaneous Neutron Powder Diffraction and Microwave Dielectric Studies of Ammonia Absorption in Metal-Organic Framework Systems” *Phys. Chem. Chem. Phys.*, 2018, **20**, 10460–10469.
(Impact factor = 3.430, 3 citations).
- *60.** I. Abánades Lázaro, S. Abánades Lázaro and **R. S. Forgan*** “Enhancing Anticancer Cytotoxicity through Bimodal Drug Delivery from Ultrasmall Zr MOF Nanoparticles” *Chem. Commun.*, 2018, **54**, 2792–2795.
(Impact factor = 5.996, 42 citations).

*59. I. Abánades Lázaro, S. Haddad, J. M. Rodrigo-Muñoz, C. Orellana-Tavra, V. del Pozo, D. Fairen-Jimenez and **R. S. Forgan*** “Mechanistic Investigation into the Selective Anti-Cancer Cytotoxicity and Immune System Response of Surface-Functionalised, Dichloroacetate-Loaded, UiO-66 Nanoparticles” *ACS Appl. Mater. Interfaces*, 2018, **10**, 5255–5268.

(Impact factor = 8.758, 41 citations).

*58. R. J. Marshall, C. T. Lennon, H. M. Senn, C. Wilson and **R. S. Forgan*** “Controlling Interpenetration through Linker Conformation in the Modulated Synthesis of Sc Metal-Organic Frameworks” *J. Mater. Chem. A*, 2018, **6**, 1181–1187.

(Impact Factor = 11.301, 26 citations).

*57. R. J. Marshall, J. McGuire, C. Wilson and **R. S. Forgan*** “Crystallographic Investigation into the Self-Assembly, Guest Binding, and Flexibility of Urea Functionalised Metal-Organic Frameworks” *Supramol. Chem.*, 2018, **30**, 124–133.

Invited article for "Emerging Supramolecular Chemistry in the UK" Special Issue

One of the most read articles in Supramolecular Chemistry

(Impact factor = 1.346, 4 citations).

*56. C. Orellana-Tavra, S. Haddad, R. J. Marshall, I. Abánades Lázaro, G. Boix, I. Imaz, D. Maspoch, **R. S. Forgan*** and D. Fairen-Jimenez “Tuning the Endocytosis Mechanism of Zr-Based MOFs Through Linker Functionalization” *ACS Appl. Mater. Interfaces*, 2017, **9**, 35516–35525.

(Impact factor = 8.758, 26 citations).

*55. I. Abánades Lázaro and **R. S. Forgan*** “Image-Guided Therapy using Maghemite-MOF Nanovectors” *Chem*, 2017, **3**, 200–202.

Preview article

(Impact factor = 19.735, 2 citations).

*54. F.-J. Yazigi, C. Wilson, D.-L. Long and **R. S. Forgan*** “Synthetic Considerations in the Self-Assembly of Coordination Polymers of Pyridine-Functionalised Hybrid Mn-Anderson Polyoxometalates” *Cryst. Growth Des.*, 2017, **17**, 4739–4748.

(Impact factor = 4.089, 20 citations).

*53. R. J. Marshall, Y. Kalinovsky, S. L. Griffin, C. Wilson, B. A. Blight and **R. S. Forgan*** “Functional Versatility of a Series of Zr Metal-Organic Frameworks Probed by Solid-State Photoluminescence Spectroscopy” *J. Am. Chem. Soc.*, 2017, **139**, 6253–6260.

(Impact factor = 14.612, 52 citations).

*52. I. Abánades Lázaro, S. Haddad, S. Sacca, C. Orellana-Tavra, D. Fairen-Jimenez and **R. S. Forgan*** “Selective Surface PEGylation of UiO-66 Nanoparticles for Enhanced Stability, Cell Uptake and pH Responsive Drug Delivery” *Chem*, 2017, **2**, 561–578.

(Impact factor = 19.735, 121 citations).

51. B. D. Roach, T. Lin, H. Bauer, **R. S. Forgan**, S. Parsons, D. M. Rogers, F. J. White and P. A. Tasker “Salicylaldehyde Hydrazones: Buttressing of Outer Sphere Hydrogen Bonding and Copper Extraction Properties” *Aust. J. Chem.*, 2017, **70**, 556–565.

Invited article for issue celebrating Len Lindoy's 80th birthday.

(Impact Factor = 1.226, 3 citations).

*50. C. Orellana-Tavra, R. J. Marshall, E. F. Baxter, I. Abánades Lázaro, A. Tao, A. K. Cheetham, **R. S. Forgan*** and D. Fairen-Jimenez “Drug Delivery and Controlled Release from Biocompatible Metal-Organic Frameworks using Mechanical Amorphization” *J. Mater. Chem. B*, 2016, **4**, 7697–7707.

(Impact Factor = 5.344, 84 citations).

- *49.** R. J. Marshall and **R. S. Forgan*** “Postsynthetic Modification of Zirconium Metal-Organic Frameworks” *Eur. J. Inorg. Chem.*, 2016, 4310–4331.
Invited article for cluster issue "Metal-Organic Frameworks – Heading Towards Application".
One of the most accessed articles in Eur. J. Inorg. Chem. in 2017-19.
One of the most cited articles in Eur. J. Inorg. Chem. in 2016-17.
(Impact Factor = 2.529, 108 citations).
- *48.** R. J. Marshall, S. L. Griffin, C. Wilson and **R. S. Forgan*** “Stereoselective Halogenation of Integral Unsaturated C-C Bonds in Chemically and Mechanically Robust Zr and Hf MOFs” *Chem. Eur. J.*, 2016, **22**, 4870–4877.
Hot Paper.
(Impact Factor = 4.857, 40 citations).
- *47.** R. J. Marshall, C. L. Hobday, C. F. Murphie, S. L. Griffin, C. A. Morrison, S. A. Moggach and **R. S. Forgan*** “Amino Acids as Highly Efficient Modulators for Single Crystals of Zirconium and Hafnium Metal-Organic Frameworks” *J. Mater. Chem. A*, 2016, **4**, 6955–6963.
Invited article for Emerging Investigators Issue 2016.
(Impact Factor = 11.301, 84 citations).
- *46.** C. L. Hobday, R. J. Marshall, C. F. Murphie, J. Sotelo, T. Richards, D. Allan, T. Düren, F. –X. Coudert, **R. S. Forgan***, C. A. Morrison, S. A. Moggach and T. D. Bennett “A Computation and Experimental Approach Linking Disorder, High-Pressure Behaviour, and Mechanical Properties in UiO Frameworks” *Angew. Chem. Int. Ed.*, 2016, **55**, 2401–2405.
(Impact factor = 12.959, 67 citations).
- 45.** I. A. Smellie, **R. S. Forgan**, C. Brodie, J. S. Gavine, L. Harris, D. Houston, A. D. Hoyland, R. P. McCaughan, A. J. Miller, L. Wilson and F. Woodhall “Solvent Extraction of Copper: An Extractive Metallurgy Exercise for Undergraduate Teaching Laboratories” *J. Chem. Ed.*, 2016, **93**, 362–367.
(Impact factor = 1.385, 5 citations).
- *44.** R. J. Marshall, T. Richards, C. Hobday, C. F. Murphie, C. Wilson, S. A. Moggach, T. D. Bennett and **R. S. Forgan*** “Postsynthetic Bromination of UiO-66 Analogues: Altering Linker Flexibility and Mechanical Compliance” *Dalton Trans.*, 2016, **45**, 4132–4135.
(Impact factor = 4.174, 21 citations).
- 43.** M. R. Healy, E. Carter, I. A. Fallis, **R. S. Forgan**, R. J. Gordon, E. Kamenetzky, J. B. Love, C. A. Morrison, D. M. Murphy and P. A. Tasker “An EPR/ENDOR and Computational Study of Outer Sphere Interactions in Copper Complexes of Phenolic Oximes” *Inorg. Chem.*, 2015, **54**, 8465–8473.
(Impact factor = 4.825, 8 citations).
- *42.** R. J. Marshall, S. L. Griffin, C. Wilson and **R. S. Forgan*** “Single-Crystal to Single-Crystal Mechanical Contraction of Metal-Organic Frameworks through Stereoselective Postsynthetic Bromination” *J. Am. Chem. Soc.*, 2015, **137**, 9527–9530.
(Impact factor = 14.612, 80 citations).
- *41.** **R. S. Forgan***, R. J. Marshall, M. Struckmann, A. B. Bleine, D. –L. Long, M. C. Bernini and D. Fairen-Jimenez “Structure-Directing Factors when Introducing Hydrogen Bond Functionality to Metal-Organic Frameworks” *CrystEngComm*, 2015, **17**, 299–306.
(Impact factor = 3.117, 26 citations).
- *40.** C. V. McGuire and **R. S. Forgan*** “The Surface Chemistry of Metal-Organic Frameworks” *Chem. Commun.*, 2015, **51**, 5199–5217.
Invited article for Emerging Investigators Issue 2015.
One of top 25 most downloaded articles in April-June 2015, July-September 2015, October-December 2015 and January-March 2016.
(Impact factor = 5.996, 213 citations).

39. R. S. Forgan “Edible Metal-Organic Frameworks” in *Metal-Organic Framework Materials*, 2014, edited by Leonard R. MacGillivray and Charles M. Lukehart. Chichester, UK: John Wiley & Sons, Ltd.

(No impact factor, 8 citations).

38.** P. J. Kitson, R. J. Marshall, D. Long, **R. S. Forgan and L. Cronin “3D Printed High-Throughput Hydrothermal Reactionware for Discovery, Optimization, and Scale-Up” *Angew. Chem. Int. Ed.*, 2014, **53**, 12723–12728.

Featured in RSC Chemistry World 6th August 2014.

Featured in Nature Chemistry News and Views, 2014, 6, 953–954.

(Impact factor = 12.959, 93 citations).

37. R. S. Forgan, A. K. Blackburn, M. M. Boyle, S. T. Schneebeli and J. F. Stoddart “The Topological and Chemical Implications of Introducing Oriented Rings to [3]Catenanes” *Supramol. Chem.*, 2014, **26**, 192–201.

Special Issue for the 8th International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC-8).

(Impact factor = 1.346, 3 citations).

36. K. J. Hartlieb, A. K. Blackburn, S. T. Schneebeli, **R. S. Forgan**, A. A. Sarjeant, C. L. Stern, D. Cao and J. F. Stoddart “Topological Isomerism in a Chiral Handcuff Catenane” *Chem. Sci.*, 2014, **5**, 90–100.

Featured in RSC Chemistry World 9th September 2013.

(Impact factor = 9.346, 12 citations).

35. P. Yin, T. Li, **R. S. Forgan**, C. Lydon, X. Zuo, N. Zheng, B. Lee, L. Cronin and T. Liu “Exploring the Programmable Assembly of a Polyoxometalate-Organic Hybrid via Metal Ion Coordination” *J. Am. Chem. Soc.*, 2013, **135**, 13425–13432.

(Impact factor = 14.612, 58 citations).

34. K. J. Hartlieb, A. N. Basuray, C. Ke, A. A. Sarjeant, H. –P. Jacquot de Rouville, T. Kikuchi, **R. S. Forgan**, J. W. Kurutz and J. F. Stoddart “Chameleonic Binding of the Dimethyldiazaperopyrenium Dication by Cucurbit[8]uril” *Asian J. Org. Chem.*, 2013, **2**, 225–229.

(Impact factor = 3.130, 7 citations).

33. R. S. Forgan, J. J. Gassensmith, D. B. Cordes, M. M. Boyle, K. J. Hartlieb, D. C. Friedman, A. M. Z. Slawin and J. F. Stoddart “Self-Assembly of a [2]Pseudorota[3]Catenane in Water” *J. Am. Chem. Soc.*, 2012, **134**, 17007–17010.

(Impact factor = 14.612, 27 citations).

32. M. M. Boyle, J. J. Gassensmith, A. C. Whalley, **R. S. Forgan**, R. A. Smaldone, K. J. Hartlieb, A. K. Blackburn, J.-P. Sauvage and J. F. Stoddart “Stereochemistry of Molecular Figure-of-Eights” *Chem. Eur. J.*, 2012, **18**, 10312–10323.

Selected as a VIP paper.

(Impact factor = 4.857, 10 citations).

31. G. Barin, **R. S. Forgan** and J. F. Stoddart “Mechanostereochemistry and the Mechanical Bond” *Proc. R. Soc. A*, 2012, **468**, 2849–2880.

Featured on the front cover of Volume 469 (2013).

3rd most accessed article in PRSA in 2012.

(Impact factor = 2.818, 41 citations).

30. J. J. Gassensmith, R. A. Smaldone, **R. S. Forgan**, C. E. Wilmer, D. Cordes, Y. Y. Botros, A. M. Z. Slawin, R. Q. Snurr and J. F. Stoddart “Polyporous Metal Coordination Frameworks” *Org. Lett.*, 2012, **14**, 1460–1463.

(Impact factor = 6.091, 30 citations).

29. **R. S. Forgan**, R. A. Smaldone, J. J. Gassensmith, H. Furukawa, D. Cordes, Q. Li, C. E. Wilmer, Y. Y. Botros, R. Q. Snurr, A. M. Z. Slawin and J. F. Stoddart “Nanoporous Carbohydrate Frameworks” *J. Am. Chem. Soc.*, 2012, **134**, 406–417.
Highlighted in Science, 6th January 2012.
(Impact factor = 14.612, 175 citations).
28. G. W. Bates, J. E. Davidson, **R. S. Forgan**, P. A. Gale, D. K. Henderson, M. G. King, M. E. Light, S. J. Moore, P. A. Tasker and C. C. Tong “A Dual Host Approach to NiSO₄ Extraction” *Supramol. Chem.*, 2012, **24**, 117–126.
(Impact factor = 1.346, 7 citations).
27. **R. S. Forgan**, C. Wang, D. C. Friedman, J. M. Spruell, C. L. Stern, A. A. Sarjeant, D. Cao and J. F. Stoddart “Donor-Acceptor Ring-in-Ring Complexes” *Chem. Eur. J.*, 2012, **18**, 202–212.
(Impact factor = 4.857, 28 citations).
26. M. M. Boyle, **R. S. Forgan**, D. C. Friedman, J. J. Gassensmith, R. A. Smaldone, J. F. Stoddart and J.-P. Sauvage “Donor–Acceptor Molecular Figures-of-Eight” *Chem. Commun.*, 2011, **47**, 11870–11872.
(Impact factor = 5.996, 26 citations).
25. J. J. Gassensmith, H. Furukawa, R. A. Smaldone, **R. S. Forgan**, Y. Y. Botros, O. M. Yaghi and J. F. Stoddart “Strong and Reversible Binding of CO₂ in a Green Metal-Organic Framework” *J. Am. Chem. Soc.*, 2011, **133**, 15312–15315.
Featured in The Daily, Science Daily, Discovery Channel News and more.
(Impact factor = 14.357, 265 citations).
24. **R. S. Forgan**, J.-P. Sauvage and J. F. Stoddart “Chemical Topology: Complex Molecular Knots, Links and Entanglements” *Chem. Rev.*, 2011, **111**, 5434–5464.
(Impact factor = 52.758, 524 citations).
23. **R. S. Forgan**, B. D. Roach, P. A. Wood, F. J. White, J. Campbell, D. K. Henderson, E. Kamenetzky, F. E. McAllister, S. Parsons, E. Pidcock, P. Richardson, R. M. Swart and P. A. Tasker “Using the Outer Coordination Sphere to Tune the Strength of Metal Extractants” *Inorg. Chem.*, 2011, **50**, 4515–4522.
(Impact factor = 4.825, 28 citations).
22. N. L. Strutt, **R. S. Forgan**, J. M. Spruell, Y. Y. Botros and J. F. Stoddart “Monofunctionalized Pillar[5]arene as a Host for Alkanediamines” *J. Am. Chem. Soc.*, 2011, **133**, 5668–5671.
(Impact factor = 14.612, 407 citations).
21. A. Coskun, J. M. Spruell, G. Barin, A. C. Fahrenbach, **R. S. Forgan**, M. T. Colvin, R. Carmielli, D. Benítez, E. Tkatchouk, D. C. Friedman, A. A. Sarjeant, M. R. Wasielewski, W. A. Goddard III and J. F. Stoddart, “Mechanically Stabilized Tetrathiafulvalene Radical Dimers” *J. Am. Chem. Soc.*, 2011, **133**, 4538–4547.
Featured in RSC Chemistry World, 7 March 2011.
(Impact factor = 14.612, 97 citations).
20. S. Han, Y. Wei, C. A. Valente, **R. S. Forgan**, J. J. Gassensmith, R. A. Smaldone, H. Nakanishi, A. Coskun, J. F. Stoddart and B. A. Grzybowski “Imprinting Chemical and Responsive Micropatterns into Metal-Organic Frameworks” *Angew. Chem. Int. Ed.*, 2011, **50**, 276–279.
(Impact factor = 12.959, 55 citations).

19. C. D. Meyer, **R. S. Forgan**, K. S. Chichak, A. J. Peters, N. Tangchaivang, G. W. V. Cave, S. I. Khan, S. J. Cantrill, and J. F. Stoddart "The Dynamic Chemistry of Molecular Borromean Rings and Solomon Knots" *Chem. Eur. J.*, 2010, **16**, 12570–12581.
Featured as a Spotlight in Angew. Chem. 2010, **49**, 8554-8556.
(Impact factor = 4.857, 66 citations).
18. R. A. Smaldone,† **R. S. Forgan**,† H. Furukawa, J. J. Gassensmith, A. M. Z. Slawin, O. M. Yaghi and J. F. Stoddart "Metal-Organic Frameworks from Edible Natural Products" *Angew. Chem. Int. Ed.*, 2010, **49**, 8630–8634.
† *Co-first authors*
Featured on the front cover of Issue 46, November 2010, and in the New York Times, Frankfurt Allgemeine Zeitung, Nature Chemistry, Angewandte Chemie, New Scientist, Chemistry World, C&E News, Science Daily and more.
(Impact factor = 12.959, 352 citations).
17. J. M. Spruell, A. Coskun, D. C. Friedman, **R. S. Forgan**, A. A. Sarjeant, A. Trabolsi, A. C. Fahrenbach, G. Barin, W. F. Paxton, S. K. Dey, M. A. Olson, D. Benítez, E. Tkatchouk, M. T. Colvin, R. Carmielli, S. T. Caldwell, G. M. Rosair, S. G. Hewage, F. Duclairoir, J. L. Seymour, A. M. Z. Slawin, W. A. Goddard III, M. R. Wasielewski, G. Cooke and J. F. Stoddart "Highly Stable TTF Radical Dimers in [3]Catenanes" *Nature Chem.*, 2010, **2**, 870–879.
(Impact factor = 21.687, 131 citations).
16. **R. S. Forgan**, D. C. Friedman, C. L. Stern, C. J. Bruns, J. F. Stoddart "Directed Self-Assembly of a Ring-in-Ring Complex" *Chem. Commun.*, 2010, **46**, 5861–5863.
Featured on the front cover of Issue 32, August 2010.
(Impact factor = 5.996, 33 citations).
15. B. D. Roach, **R. S. Forgan**, P. A. Tasker, R. M. Swart, J. Campbell, F. E. McAllister, A. P. Stopford and B. J. Duncombe "Collision Induced Dissociation (CID) to Probe the Outer Sphere Coordination Chemistry of bis-Salicylaldoximate Complexes" *Dalton Trans.*, 2010, **39**, 5614–5616.
(Impact factor = 4.174, 4 citations).
14. **R. S. Forgan**, J. E. Davidson, F. P. A. Fabbiani, S. G. Galbraith, D. K. Henderson, S. A. Moggach, S. Parsons, P. A. Tasker and F. J. White "Cation and Anion Selectivity of Zwitterionic Salicylaldoxime Metal Salt Extractants" *Dalton Trans.*, 2010, **39**, 1763–1770.
Featured as an RSC Highlight in Chemical Technology, 18 January 2010.
(Impact factor = 4.174, 20 citations).
13. **R. S. Forgan**, J. M. Spruell, J.-C. Olsen, C. L. Stern and J. F. Stoddart, "Towards the Stepwise Assembly of Molecular Borromean Rings. A Donor-Acceptor Ring-in-Ring Complex" *J. Mex. Chem. Soc.*, 2009, **53**, 134–138.
Special Edition Dedicated to the Memory of Ernest L. Eliel.
(Impact factor = 0.434, 16 citations).
12. M. Wenzel, **R. S. Forgan**, A. Faure, K. Mason, P. A. Tasker, S. Piligkos, E. K. Brechin and P. G. Plioger "A New Polynuclear Coordination Mode in Cu(II)-Salicylaldoxime Complexes: Structure and Magnetics of a Cu₆-Oxime Cluster" *Eur. J. Inorg. Chem.*, 2009, **31**, 4613–4617.
(Impact factor = 2.529, 27 citations).
11. P. A. Wood, **R. S. Forgan**, S. Parsons, E. Pidcock and P. A. Tasker "3-Fluorosalicylaldoxime at 6.5 GPa" *Acta Cryst.*, 2009, **E65**, o2001.
(Impact factor not available, 0 citations).
10. M. Wenzel, G. B. Jameson, L. A. Ferguson, Q. W. Knapp, **R. S. Forgan**, F. J. White, S. Parsons, P. A. Tasker, P. G. Plioger "Anion-Induced Contraction of Helical Receptors" *Chem. Commun.*, 2009, 3606–3608.

(Impact factor = 5.996, 16 citations).

09. R. S. Forgan, J. E. Davidson, S. G. Galbraith, D. K. Henderson, S. Parsons, P. A. Tasker and F. J. White “Transport of Metal Salts by Zwitterionic Ligands; Simple but Highly Efficient Salicylaldoxime Extractants” *Chem. Commun.*, 2008, 4049–4051.

(Impact factor = 5.996, 19 citations).

08. R. S. Forgan, D. K. Henderson, F. E. McAllister, S. Parsons, P. A. Tasker, F. J. White, J. Campbell and R. M. Swart “Copper Extractant Strength: The Effects of 3-Substitution on Hydroxyoxime Extractant Strength” *Can. Metall. Quart.*, 2008, **47**, 293–300.

(Impact factor = 1.456, 0 citations).

07. P. A. Wood, **R. S. Forgan**, A. R. Lennie, S. Parsons, E. Pidcock, P. A. Tasker and J. E. Warren “The Effect of Pressure and Substituents on the Size of Pseudo-Macrocyclic Cavities in Salicylaldoxime Ligands” *CrystEngComm*, 2008, 239–251.

(Impact factor = 3.117, 17 citations).

06. R. S. Forgan, P. A. Wood, J. Campbell, D. K. Henderson, F. E. McAllister, S. Parsons, E. Pidcock, R. M. Swart and P. A. Tasker “Supramolecular Chemistry in Metal Recovery; H-Bond Buttressing to Tune Extractant Strength” *Chem. Commun.*, 2007, 4940–4942.

(Impact factor = 5.996, 17 citations).

05. R. S. Forgan, S. Parsons, P. A. Tasker and F. J. White “3-(5-*tert*-Butyl-2-hydroxybenzyl)propanoic acid” *Acta Cryst.*, 2007, **E63**, o3249.

(Impact factor not available, 0 citations).

04. P. A. Wood, **R. S. Forgan**, S. Parsons, E. Pidcock and P. A. Tasker “3-Fluorosalicylaldoxime” *Acta Cryst.*, 2007, **E63**, o3132.

(Impact factor not available, 2 citations).

03. P. A. Wood, **R. S. Forgan**, S. Parsons, E. Pidcock and P. A. Tasker “3-Hydroxysalicylaldoxime” *Acta Cryst.*, 2007, **E63**, o3131.

(Impact factor not available, 3 citations).

02. P. A. Wood, **R. S. Forgan**, S. Parsons, E. Pidcock and P. A. Tasker “Salicylaldoxime-III” *Acta Cryst.*, 2006, **E62**, o3944-o3946.

(Impact factor not available, 10 citations).

01. P. A. Wood, **R. S. Forgan**, D. K. Henderson, S. Parsons, E. Pidcock, P. A. Tasker and J. E. Warren “Effect of Pressure on the Crystal Structure of Salicylaldoxime-I, and the Structure of Salicylaldoxime-II at 5.93 GPa” *Acta Cryst.*, 2006, **B62**, 1099–1111.

(Impact factor = 2.048, 48 citations).