

## Dr John S. Fossey

Senior Lecturer in Synthetic Chemistry  
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### About

Website: [www.johnfossey.com](http://www.johnfossey.com) (<http://www.johnfossey.com/>)

### Qualifications

- Oct 2000 - Dec 2003 PhD with Dr Christopher J. Richards at Queen Mary University of London
- Oct 1996 - June 2000 MChem at Cardiff University of Wales

John's full professional profile can be found at [www.johnfossey.com/group/jsf](http://www.johnfossey.com/group/jsf) (<http://www.johnfossey.com/group/jsf>)

### Research

#### Research Interests

- Multi-component, atom economic organic synthesis
- Chiral induction in molecular processes
- Cation  $\pi$ -stacking
- Carbohydrate and glycoconjugate recognition
- Carbohydrate analytical chemistry

Detailed information can be found on John's [ResearcherID profile](http://www.researcherid.com/rid/C-3172-2009) (<http://www.researcherid.com/rid/C-3172-2009>).

### Publications

Selected recent publications include:

A water-soluble boronate-based fluorescence probe for the selective detection of peroxynitrite and imaging in living cells: L. Sun, Q. Xu, G. Kim, S. E. Flower, J. P. Lowe, J. Yoon, J. S. Fossey, X. Qian, S. D. Bull and T. D. James, **Chem. Sci.**, **2014**, doi: [10.1039/c4sc01417k](https://doi.org/10.1039/c4sc01417k) (<http://pubs.rsc.org/en/Content/ArticleLanding/2014/SC/c4sc01417k#!divAbstract>)

DDQ-Mediated oxidative coupling: An approach to 2,3-dicyanofuran (thiophene): Z.-L. Wang, H.-L. Li, L.-S. Ge, X.-L. An, Z.-G. Zhang, X. Luo, J. S. Fossey and W.-P. Deng, **J. Org. Chem.**, **2014**, **79**, 1156 (<http://pubs.acs.org/doi/abs/10.1021/jo4026034>)

Bi-Aryl rotation in phenyldihydroimidazoquinoline catalysts for kinetic resolution of arylalkyl carbinols: Z. Wang, J. Ye, R. Wu, Y. Li, J. S. Fossey, J. Cheng and Wei Ping Deng, **Cat. Sci. Technol.**, **2014**, doi: [10.1039/c3cy00904a](https://doi.org/10.1039/c3cy00904a) (<http://pubs.rsc.org/en/Content/ArticleLanding/2014/CY/c3cy00904a#!divAbstract>)  
>>Front Cover<<

A bis-boronic acid modified electrode for the sensitive and selective determination of glucose concentrations: H.-C. Wang, H. Zhou, B. Chen, P. M. Mendes, J. S. Fossey, T. D. James and Y.-T. Long, **Analyst**, **2013**, **138**, 7146 (<http://pubs.rsc.org/en/Content/ArticleLanding/2013/AN/c3an01234d#!divAbstract>)  
>>Inside Cover<<

Glucose selective SPR-based bis-boronic acid surface sensor: A. Stephenson-Brown, H.-C. Wang, P. Iqbal, J. A. Preece, Y.-T. Long, J. S. Fossey, T. D. James and P. M. Mendes, **Analyst**, **2013**, **138**, 7140 (<http://pubs.rsc.org/en/Content/ArticleLanding/2013/AN/c3an01233f#!divAbstract>)  
>>Front Cover<<

Synthesis of azetidines and pyrrolidines via iodocyclisation of homoallyl amines and exploration of activity in a zebrafish embryo assay: A. Feula, S. S. Dhillon, R. Byravan, M. Sangha, R. Ebanks, M. A. Hama Salih, N. Spencer, L. Male, I. Magyary, W.-P. Deng, F. Müller and J. S. Fossey, **Org. Biomol. Chem.**, **2013**, **11**, 5083 (<http://pubs.rsc.org/en/Content/ArticleLanding/2013/OB/c3ob41007b#!divAbstract>)  
>>Front Cover – Hot Article – Top 10 most accessed (Q3 2013)<<

Selective sensing of saccharides using simple boronic acids and their aggregates: X. Wu, Z. Li, X.-X. Chen, J. S. Fossey, T. D. James and Y.-B. Jiang, **Chem. Soc. Rev.**, **2013**, **42**, 8032 (<http://pubs.rsc.org/en/Content/ArticleLanding/2013/CS/c3cs60148j#!divAbstract>)  
>>Inside Cover<<

Colorimetric enantioselective recognition of chiral secondary alcohols via hydrogen bonding to a chiral metallocene containing chemosensor: S.-Y. Xu, B. Hu, S. E. Flower, Y.-B. Jiang, J. S. Fossey, W.-P. Deng and T. D. James, **Chem. Commun.**, **2013**, **49**, 8314 (<http://pubs.rsc.org/en/Content/ArticleLanding/2013/CC/c3cc43083a#!divAbstract>)

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Integrated and insulated boronate-based fluorescent probes for the detection of hydrogen peroxide: X. Sun, S. Xu, S. E. Flower, J. S. Fossey, X. Qian and T. D. James, **Chem. Commun.**, 2013, 49, 8311 (<http://pubs.rsc.org/en/Content/ArticleLanding/2013/CC/c3cc43265c#!divAbstract>)

>>Front Cover - Top 10 most accessed (Q3 2013)<<

Pyrene-anchored boronic acid Receptors on carbon nanoparticle supports: Fluxionality and pore effects: K. Lawrence, T. Nishimura, P. Haffenden, J. M. Mitchels, K. Sakurai, J. S. Fossey, S. D. Bull, T. D. James and F. Marken, **New J. Chem.**, 2013, 37, 1883 (<http://pubs.rsc.org/en/Content/ArticleLanding/2013/NJ/c3nj00017f#!divAbstract>)

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A full list of John's publications can be found at [johnfossey.com/publications](http://johnfossey.com/publications) (<http://johnfossey.com/publications>)

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