

Second Joint NSFC-RSC
Symposium on Sustainable
Chemistry and Processes



19–20 September 2019
York, UK

19 September

		Session chair
09:00	Registration and coffee	
10:15	Welcome remarks Stuart Govan, <i>Royal Society of Chemistry, UK</i> Zhijian Zhao, <i>NSFC, China</i>	James Clark
10:30	Shedding light on heterogeneous catalyst systems for selective oxidation reactions Christopher Parlett, <i>University of Manchester, UK</i>	ZhiJian Zhao
11:00	Catalytic transfer hydrogenolysis of bio-polyols to value-added chemicals over bimetallic catalysts: structure-sensitivity study and reaction pathway analysis Xin Jin, <i>China University of Petroleum, China</i>	
11:30	Coffee break	
11:45	Dynamics of bubble breakup at a microfluidic T-junction Taotao Fu, <i>Tianjin University, China</i>	Christopher Parlett
12:15	Engineering sustainable processes: determining suitable infrastructure materials Kyra Sedransk Campbell, <i>Imperial College London, UK</i>	
12:45	Lunch and poster session	
14:00	Enhanced production of triterpenoids in engineered <i>Saccharomyces cerevisiae</i> Ying Wang, <i>Beijing Institute of Technology, China</i>	Jiajun (Alice) Fan
14:30	Selective oxidation reactions: toward sustainable and practical molecular catalysis Mark Muldoon, <i>Queen's University Belfast, UK</i>	
15:00	Development of high temperature stable single-atom alloy PDH catalyst Zhijian Zhao, <i>Tianjin University, China</i>	
15:30	Coffee break	
15:45	Supramolecular chemistry under continuous flow conditions Anna Slater, <i>University of Liverpool, UK</i>	Jianying Shi
16:15	Using flow photochemistry and heterocyclic metamorphosis to synthesize new molecules Christopher D Smith, <i>University of Reading, UK</i>	

16:45	RSC journals and tips for success Anna Simpson, Royal Society of Chemistry, UK	Stuart Govan
17.15	Close of session	
17:30	Drinks followed by dinner – Derwent Hall Dining Room	

20 September

		Session chair
09:00	Coffee	
09:15	Presentation of RSC 2018 Green Chemistry Award to Professor James Clark by Michael North, University of York, UK	Michael North
09:30	From waste to wealth using green chemistry James Clark, <i>University of York, UK</i>	
10:30	Coffee break	
10:45	Highly efficient transformation of lignin and its derivatives to high value-added chemicals Huizhen Liu, <i>Chinese Academy of Sciences, China</i>	Kyra Sedransk Campbell
11:15	Holistic biomass processing, waste valorisation and bioprocess development for the production of bio-based surfactants and polymers James Winterburn, <i>University of Manchester, UK</i>	
11:45	Microwave activation of biomass Jiajun (Alice) Fan, <i>University of York, UK</i>	
12:15	Lunch and poster session	
13:30	Metal-organic frameworks for efficient light hydrocarbons separation Libo Li, <i>Taiyuan University of Technology, China</i>	Taotao Fu
14:00	A computational screening of porous materials for biogas upgrading Elena Besley, <i>University of Nottingham, UK</i>	
14:30	Heterogenization of photochemical molecular devices: embedding metal-organic cage into ZIF-8-derived matrix to promote proton and electron transfer Jianying Shi, <i>Sun Yat-Sen University, China</i>	
15:00	Coffee break	
15:15	Transformation of carbon dioxide into chemicals under mild conditions Zhimin Liu, <i>Chinese Academy of Sciences, China</i>	Anna Slater
15:45	Pore chemistry and size control in anion-pillared hybrid porous materials for efficient gas separation	

	Xili Cui, <i>Zhejiang University, China</i>	
16:15	Presentation of poster prizes and closing remarks by Christopher Parlett	
16:30	Close	