



List of Posters UKCC 2021

#	Title	Authors
P01	Transformation of bio-derived furfuryl alcohol to produce alkyl levulinate over zeolite catalyst	B J Vaishnavi, S Sujith, Nagendra Kulal, P Manjunathan and Ganapati V Shanbhag
P02	Effect of Fe/Cu ratio on the activity of bimetallic Fe-Cu/CeO ₂ -Al ₂ O ₃ catalysts for Reverse Water-Gas Shift reaction for CO ₂ upgrading	Liuqingqing Yang, Ramirez.Reina Tomas and Pastor Perez Laura
P03	Reaction Mechanism of 2,5-dimethylfuran hydrodeoxygenation over bifunctional catalysts Pt-Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ in the gas-solid catalyst	Hanan Althikrallah and Ivan Kozhevnikov
P04	Propane Oxidative Dehydrogenation: An Alternative Route for Propylene Production	Caitlin Moffat, Emma K. Gibson and David Jackson
P05	Highly reactive CuO for the hydrogenation of nitroarenes by using hydrazine	Rajendran Karuppusamy, Pandurangan Nanjan, Vinod C.P and Dinesh Jagadeesan
P06	Phosgene synthesis Activated carbon Experimental arrangements	Rory Hughes, Giovanni Rossi and David Lennon
P07	Catalytic conversion of resources on Mars	Christina Charalambous
P08	The inclusion of carbon dioxide in the feedstream of Fischer-Tropsch-to-Olefin catalysis: an inelastic neutron scattering study	Ramandeep Dosanjh
P09	Liquid phase hydrodeoxygenation of fatty acid methyl esters: towards improving the flow properties of beef tallow based biodiesel	Maipelo Nyepetsi, Foster Mbaiwa and Olayinka Oyetunji
P10	Monodisperse BiOI/GO by Ultrasonic Synthesis for Efficient Visible Light Photocatalytic Degradation of Reactive Dye	Dhruti Rakte and Parag Nemade
P11	Flexible bi-metallic catalysts for gas-phase CO ₂ recycling	Loukia-Pantzechroula Merkouri, Estelle le Saché, Laura Pastor-Pérez, Melis Duyar and Tomas Ramirez-Reina
P12	Sustainable Energy Future based Catalytic CH ₄ Conversion	Majida Khazaal, Richard Darton and Mark Ormerod
P13	Analytical tools for the analysis reaction mixtures of phenols oxidation by wet hydrogen peroxide catalytic oxidation	Ghadeer Albalawi, Changyan Zhou and Marco Conte

P14	The effect copper phase dispersion and nanoparticle formation altered by metal precursor selection for the catalytic hydrogenation of furfural	Mohammed Islam, Marta Granollers Mesa, Amin Osatiashtiani, Martin Taylor, Jinesh Manayil, Christopher Parlett, Mark Isaacs and Georgios Kyriakou
P15	Development and Synthesis of Hierarchical Zeolites for the Conversion of Sugars to Platform Chemicals	Mohamed Kashbor and Marco Conte
P16	Design of suitable homogeneous catalysts stabilized by bidentate Schiff base N,N-chelating ligands for transfer hydrogenation of cinnamaldehyde	Fortunate Sejie, Olayinka Oyetunji and James Darkwa
P17	Metal oxides catalyzed dehydroisomerisation of alpha-pinene to para-cymene	Aliyah Alsharif, Elena Kozhevnikov and Ivan Kozhevnikov
P18	Cracking of diethyl ether over heteropoly acids: The Relationship between Catalyst Acid Strength and Reaction Rate	Rawan Al-Faze, Elena F. Kozhevnikova and Ivan V. Kozhevnikov
P19	Operando Neutron Scattering investigation of Methane Partial Oxidation	Vainius Skukauskas, Emma Gibson and Ian Silverwood
P20	Robust Pt/TiO ₂ Photocatalyst for the generation of Hydrogen in the presence of Chloride ions	Ahmad Bello Bungudu, Davies Philip and Sankar Meenakshisundaram
P21	Preparation and Characterization of Cu ₄ O ₃ (Paramelaconite) Powder and its Photocatalytic Degradation of Rhodamine B	Jacobina Sheehama, Veikko Uahengo, Likius Daniel, Nora de Leeuw, Nelson Dzade and Charles Dunnill
P22	Support morphology dependent effects of Ru/CeO ₂ -MgO on integrated CO ₂ capture and methanation	Shuzhuang Sun, Chunfei Wu and Shaojun Xu
P23	Waste plastics recycling for producing high-value carbon nanotubes: Investigation of the influence of Manganese content in Fe-based catalysts	Su He and Chunfei Wu
P24	Iron based zeolites for drug removal from wastewater via Fenton reaction	Mengyuan Qian and Marco Conte
P25	Long Duration Aging of Ceria Zirconia for Exhaust Treatment Applications	Lucy Costley-Wood, Emma Gibson, Timothy Hyde, Dave Thompsett and Amy Kolpin
P26	Photocatalytic degradation of Rhodamine B dye by hydrothermally synthesized NaBH ₄ -spiked ZnS nanostructures	Theopolina Amakali, Veikko Uahengo, Likius S. Daniel, Michael E.A. Warwick, Charles W. Dunnill, Daniel R. Jones, Nelson Y. Dzade and Nora H. De Leeuw
P27	I20-EDE: The Energy Dispersive EXAFS beamline at Diamond Light Source	Luke Keenan, Monica Amboage, Tathiana Kokumai, Fred Mosselmans, Shusaku Hayama and Sofia Diaz-Moreno

P28	Combined modulation excitation, neutron, and x-ray methods to understand catalytic systems	Armando Ibraliu
P29	Computational Investigation and Comparison of Zeolite Lattice Energies	Edward Stacey, Mathew Quesne and Richard Catlow
P30	Studies into the behaviour of substitutional atoms in doped iron	Debbie Thacker, Phillip Davies and Andrew Logsdail
P31	FAIR publishing of catalysis research data objects: a dashboard view	Abraham Nieva de La Hidalga, Josie Goodall, Corinne Anyika and Brian Matthews
P32	Adsorption of O ₂ , CO ₂ and CO on Molybdenum-Tungsten Carbide	Kushagra Agrawal, Nanda Kishore and Andrew Logsdail
P33	Green process for Glycerol carbonate production using mechanochemically prepared supported sodium aluminate catalysts	John Keogh, Gunjan Deshmukh, John Cahir, Stuart James, Haresh Manyar
P34	Green Aromatic Nitroreductions exploiting FAST Hydrogenations	Gary Morrison, Megan Smyth, MD Taifur Rahman, Scott Wharry, Haresh Manyar and Thomas S. Moody