

ID	POSTER
P1	N. Eisenmenger: Evaluating Gas Phase Activity of Organophosphorus Compounds in Thermoplastic Elastomers using EGA/MS-PFPD
P2	N.Esmaeili: Study of the fates of zinc and tin in the thermal volatilization of zinc stannate in the presence of a brominated flame retardant
P3	A. Holdsworth: Nanoparticles and Flame Retardancy: Advances and Applications
P4	H.Li: Improving Flame Retardancy and Char Formation of Polystyrene Composites by Introducing Expandable Graphite
P5	S.S.Iqbal: Layered Inorganic Nanomaterials Coated Multiwalled Carbon Nanotubes Impregnated Polymeric Nanocomposites: Ablation, Fire Retardant, Thermal and Mechanical Properties
P6	A.Alkhalaf: Thermal Characterization and Flammability of form Stable Composite Phase Change Materials Incorporated Plasterboard for Thermal Energy Storage
P7	O. Koklukaya: Tailoring Flame Retardancy and Strength Properties of Paper Using Layer-by-Layer Technology
P8	Y-M.Li: A Novel High-Temperature-Resistant Polymeric Material for Cables and Insulated Wires via Ceramization of Mica-Based Ceramifiable EVA Composites
P9	E. Spiropoulou: Influence of Ammonium Polyphosphate on Fire Retardant properties of Magnesium Hydroxide/Polyethylene blends
P10	A. Korwitz: Using the combination of phosphorus polymers and nanocomposite concept to tailor the flame retardancy of polyesters
P11	Y.Zhang: Aqueous Self-assembly of graphene oxide and a core-shell flame retardant: toward multifunctional hybrid for polylactic acid
P12	H-B.Chen: Highly Efficient Flame Retardant Polyurethane Foam with Alginate/Clay Aerogel Coating
P13	X.Wang: Two-dimensional Inorganic Nano-materials as High Efficient Flame Retardants in Polymer Composites
P14	Y-T. Pan: Mesoporous Metal Oxide/Pyrophosphate Hybrid Crystals Originated From Reutilization Of Water Treatment Resin As Novel Flame Retardant To Flexible Poly(Vinyl Chloride)
P15	Z.Li: Natural Halloysite Nanotube Based Functionalized Nanohybrid Assembled via Slow Release Strategy: A Highly Efficient Way to Impart Flame Retardancy to Polylactide
P16	K. Salmeia: Effect of the Structure of Phosphorus Compounds on Flame Retardancy of Cellulose-Based Fibers
P17	D.H.Li: Synthesis And Application Of The Cyclotriphosphazene Derivatives Containing Pyridine Functional Groups
P18	C-C.Höhne: Intrinsic Flammability of Polyurethane Flexible Foams (poster presentation)
P19	A. Wirasaputra: High-performance Flame-retarded Polyamide-6 Fabricated by Chain Extension
P20	D.Ban: Fire Property of Polypropylene Modified by Phosphate Flame Retardant
P21	Y-P.Ni: Poly(Ethylene Terephthalate) Copolyester Containing Benzimidazole Structure: Synthesis, Thermal Properties and Combustion Behavior
P22	W-H. Rao: Flame Retardant Flexible Polyurethane Foam with Melamine Salt
P23	P.Wen: A Novel Triazine-Based Polymeric Flame Retardant: Preparation and Its Enhancement on Flame Retardancy of Polypropylene
P24	M.Günther: Bubbles And Collapses: Fire Phenomena Of Rigid Polyurethane Foams
P25	N.Roenner: Computational study of how hollow glass spheres and boron nitride fillers affect the Computational study of how hollow glass spheres and boron nitride fillers affect the

ID	POSTER
P26	A.Turski Silva Diniz: Decomposition and Dripping under Fire: The Battle between Glass Fibres and Melamine Cyanurate in Polyamide 6
P27	E.T.Röchow: Thermal Degradation Mechanism Of Phosphonate Containing Methacrylate Based Copolymers
P28	J.Scoul: Different synthetic strategies for an efficient and wash durable flame retardant (FR) coating onto cellulose-based cotton fabrics
P29	M.Ayesh (A.R.Horrocks): Halogen-free, Durable Flame Retardant Textiles Using Novel Plasma/UV Technologies
P30	S.B.Poshteh: Synthesis and Characterization of Polyurethane Coatings with Improved Flame Retardency by Polyaddition with DOPO Derivatives
P31	K.Williams (J.R.Ebdon): Developing Fire Retardant Coatings for Thermoplastics Based on Poly(vinylphosphonic acid)
P32	S.Zhou: Novel UV-Curing Phosphorus/Nitrogen/Silicon-Containing Flame Retardant Coating with Significant Intumscent Effect
P33	X.Wang: Thermal Degradation and Flammability of Novel UV-Curing Intumscent Flame Retardant Coating Containing Phosphorus, Nitrogen and Boron
P34	R.Hajj: Comparison between two routes of grafting phosphorous flame retardants on flax fabrics
P35	T.Mayer-Gall: Polyphosphazenes as Halogen Free Flame Retardants for Textile Finishing
P36	B.Zhao: Flame Retardation of Cotton Fabrics Containing a Novel Intumescent Multi-hydroxyl Phosphamide
P37	Y.Liu: Fire Retardancy of Coated Cotton Fabrics with APTES, Chitosan and Sodium phytate by LBL Assembly
P38	F.You: Flame Retarding Effects of Nano-Micro Pure and Hybrid Sols on Fabrics
P39	W.Wang: Preparation of Sandwichlike Coating Consisting of Alternating Montmorillonite and Beta-FeOOH for Improving the Fire Safety of Flexible Polyurethane Foam
P40	S.Chatenet: Reaction to Fire of Electrical Cable in Underventilated Conditions
P41	F.Samyn: Extreme fire scenario at reduced scale
P42	A.M.Dhabbaha: Analysis of Fire effluents: PAHs Optimisation of Sampling and Analysis Methods
P43	M.Hassan: The Effect of MH Nanoparticles As Smoke Suppressant for ABS and Polystyrene
P44	W.Wang: The Influence of the REACH Regulation on New Developments in the Fire Retardant Industry in China
P45	G. Okyay: In-flame Soot Characterization From Balsa Sandwhich During Mass Loss Cone Calorimeter Tests
P46	K.Dickens: Identification of Volatile Organic Compounds from Building Insulation Materials
P47	W. Pawelec: Self-Heating of Industrial Powders
P48	N.Jones: Toxic and Eco-toxic Hazards of Large Plastic Waste Fires
P49	B.Howell: Phosphorus Flame Retardants from a Non-edible Plant Oil
P50	G.Sanchez-Olivares: Keratin Fibres Recovered from Tannery Industry Wastes as Fire Retardant Agent
P51	S.Oradei: New Eco-Friendly Intumescent PLA Based Materials
P52	S.Gómez Fernández: Effect of the combined use of layered double hydroxides, lignin and phosphorus containing polyol on the fire behavior of flexible polyurethane foams

ID	POSTER
P53	D.Vadas: Green Flame Retardancy of Microcellular Poly(lactic acid) Foams
P54	X.Hu: Studies on Preparation and Properties of a Novel Biobased Intumescent Flame Retardant with Nano-layered Structure
P55	C.Zheng: Cellulose fiber based insulation foams with improved reaction-to-fire properties
P56	R.Muthuraj: Evaluation of charring efficiency of melt-spun miscible raw lignin-polyamide blends as precursor systems for carbon fibres
P57	V.Biasi: A Post-Processing Toolbox for Kinetics and Energetics Analysis of Decomposing Composite Materials from TGA and DSC Measurements
P58	S.Lau: Influence Of Ferrocene On The Ignition Delay Time Of A Premixed Ethene / Air Flame
P59	S.Liang: Thermolysis Pathways Of Phosphororganics Under Oxidative Conditions
P60	F.Raffan-Montoya: Augmentation of a Milligram-scale Flaming Calorimeter with CO/CO ₂ Measurement Capabilities
P61	P.Bachelet: Scale reduction of SBI: Correlation Methodolgy Between the Standard and the Small Scale Test
P62	R.Bart: Mechanistic approach to enable modelled decomposition kinetics of intumescent systems
P63	S.Mckenna: A Comparative Study Of The Burning Behaviour Of Sofas With Different Fire Retardant Formulations
P64	A.Lyons: Release of Combustion Gases from Polyamide 6.6 in the ISO 19700 Steady State Tube Furnace
P65	O.El-Mahdy: Performance of FRP-Strengthened Reinforced Concrete Beams in Fire
P66	R.Chapple: Effects of impact and fire on carbon fibre composite laminates containing nano/micro additives: Methodology of capturing particles
P67	M.Delichatsios: Characterisation of Flammability and Fire Resistance of Carbon Nanofiber Reinforced Thermoset and Thermoplastic Composite Materials
P68	L.Qian: Flame Retardancy Effects of Epoxy Resin Composites Based on Different Phosphaphenanthrene Compounds
P69	A.Laachachi: Is Expanded Graphite acting as Flame Retardant in Epoxy Resin?
P70	X.Liu: An Efficient Flame Retardant for Epoxy Resin toward High Flame Retardancy and Enhancing Mechanical Properties
P71	Y.Xu: A Novel Thermal Latent Flame-retardant Curing Agent for Epoxy Resins
P72	D.Zhao: Improving Thermal Properties and Flame Retardancy of Unsaturated Polyester via Introducing a Novel Thermo-Crosslinkable Organophosphorus Oligomer
P73	A.Battig: Hyperbranched Polyphosphoesters, -(di)amidates and -amides as Novel Flame Retardants for Epoxy Resins
P74	R.K.Jian: Low-flammability Epoxy Resin with Strengthened Mechanical Properties Drived by Aminobenzothiazole-modified DOPO
P75	S.Hu: Flame retarding properties of piperazine pyrophosphate in glass fiber reinforced PA6
P76	J.Liu: Self-assembly of SnO ₂ Nanowires on MnO ₂ Nanosheets: A Novel 1/2D Hybrid Architecture for Reducing Fire Hazards of Epoxy Nanocomposites
P77	A.Lemattre: Fire Behaviour of Halogen-Free Unsaturated Polyester Formulations
P78	R.Spogli: PolyCE - Post-Consumer High-tech Recycled Polymers for a Circular Economy
P79	M.Modesti: Fire Performance of PIR Foams with Very High -NCO Index