

Category	No.	Authors	Title
Flame Spread	P1	Gyuhwan Cho, Inhwan Yeo, Kiho In, Jaehong An	A Study on Barrier in Rack for Reducing the Fire Spread Speed
	P2	Kazunori Harada, Daisaku nii	Measurements of Flame Spread Properties of Plywood by using Cone Calorimeter
	P3	Chengyao Li, Ya Ting Liao, James T'ien, David Urban, Paul Ferkul, Sandra Olson, Gary Ruff, John Easton	Transient Flame Growth and Spread Processes over a Large Solid Fabric in Concurrent Low-Speed Flows in Microgravity
	P4	Wohan Cui, Ya Ting Liao	Upward Flame Spread over Discrete Thin Fuels
	P5	Yanjun Li, Ya Ting Liao, Paul Ferkul	Effect of Flow Duct Height on Concurrent-Flow Flame Spread and Near-Limit Oscillation
	P6	Qian Li, Ya Ting Liao	Numerical Study of Flame Spread over Solid Combustible Beneath an Inert Parallel-Oriented Plate
Tunnel Fire	P7	Chang-Yong Kim and Won-Hee Park	Hot Smoke Tests in High-Speed Railway Tunnel in Korea
	P8	Takumi Ota, Takehiko Nakamura, Naoya Suzuki, Kenichiro Yamazaki	Methods of Early Fire Detection, and Grasping of Smoke Movement in a Road Tunnel Fire on Complex Urban Expressways
	P9	C.H. Cheng, T.K. Yue, Y.K. Woo	Numerical Simulations on Long Tunnel Fires with Train Blockage
	P10	Lei Chen, Fei Tang, Manhou Li, Longhua Hu	Longitudinal Temperature Decay Characteristics Beneath the Ceiling Induced by Strong and Weak Fire Plumes in Longitudinally Ventilated Tunnel
	P11	Jie Kong, Zhi Sheng Xu, Wen Jiao You	Research on Evacuation of Train Fire in Extra-Long Channel Tunnel
Evacuation	P12	Hye Won Kim, Seung Hyeon Jin, Byeong Heun Lee, Sung Ha Park, Ji Woo Han, Young Jin Kwon	A Study on the Comparative Analysis of Smoke Compartment of Each Countries for Improving Evacuation Safety in Domestic Medical and Elderly Facilities
	P13	Hsiao Mei Lin, Shuo Hung Chen, Jim Kao, Gary Li Kai Hsiao, Ching Yuan Lin	Applying Active Dynamic Signage System in Complex Underground Construction
	P14	Bowei Jin, Jinghong Wang, Youran Zhi	Simulation of the Impact of the Buffer Zone on Crowd Evacuation Based on Social Force Model
	P15	Man man Chen, Jing hong Wang, You ran Zhi	Crowd Oscillation Analysis Using the Pedestrian Density Wave
	P16	Toshinari Tanaka, Masayuki Mizumo	Analysis on Crowd Evacuation Behavior under the Considering of Communication between Evacuees In case of Underground Mall Fire
Material Behavior	P17	Yanming Ding, Lingna Zhong	The Effect of Chemical Reaction Kinetic Parameters on the Bench-Scale Pyrolysis of Typical Charring Material
	P18	Andrea Lucherini, Cristian Maluk	Experimental Study of Heat Transfer within the Swelling Phase of Thin Intumescent Coatings
	P19	Byoungchul Kwon, Ya-Ting Liao	Experimental and Numerical Investigation of the Ignition and Burning Characteristics of a Group of Wooden Pieces
	P20	Xin Yi Lin, Zhi Hong Yang, Sheng Yen Hsu	The Investigation of Bench-Scale Test Platforms for Intumescent Coating by Using Experiments and Numerical Models
	P21	Xinyi Tang, Qiyuan Xie, Weiguang Li	Theoretical Modeling for the Radial Swelling Mechanism of Flame-retardant Power Cable in Annual Heating
Fire	P22	Pei Chen Hsieh, Jing Li	Study on Fatal Fire by using FDS Simulation Adopted as Verifications on Identification of Origin and Cause in Fire Investigation

Investigation	P23	Ryh Nan Pan, Wen I Hsiao, Yuan Pin Chang	A Survey of Fire Prevention Manager's Training in Taiwan
	P24	Pei Chun Shao	Evaluation and Index of Fire Vulnerability for Historic Districts in Tainan
Fire Modelling	P25	Benjamin Ralph, Ricky Carvel	Coupled hybrid modelling in FDS ;benchmarking against experimental data from TWO BOX
	P26	Jae Han Kim, Ji Hyun Yang, Chi Young Lee, and Dong Kyun Kim	Influence of Fire Curtain and Stage Roof Vent Installation Conditions on Smoke Behavior in Fire within Stage of Theater
	P27	Vinny Gupta, Juan P. Hidalgo, Cristian Maluk, Jose L. Torero	Energy Distribution Analysis of a Large-Scale Fully-Developed Compartment Fire Experiment
Fire Physics	P28	Wookyung Kim, Tomoyuki Johzaki, Takuma Endo, Tomonori Kato	Minimum Ignition Energy and Minimum Explosible Concentration of L-Isoleucine Powder
	P29	Xiang Fang	Numerical Study of Heat Release Rate and Turbulent Vortical Structure of Fire Whirls
	P30	Yoshitatsu Sato, Wookyung Kim, Tomoyuki Johzaki, Takuma Endo	Correlations for the Onset of Flame Acceleration in Premixed Flames
	P31	Kyungok Kwon, Yiseul Kwon, Younggeun Kim	Evaluation Method of Thermal Decomposition of Cellulose treated with Flame Retardant of Di-ammonium Phosphate in the Presence of Potassium Nitrate
Pool Fire	P32	Stanislay Trubachev, Rakesh Ranga, Oleg Korobeinichev, Vasudevan Raghavan	Investigation of the Pool Fire Burning of PMMA Slabs
	P33	Chan Seok Jeong, Dong Hwan Kim, and Chi Young Lee	Effect of Liquid and Gas Flow Rate Conditions Supplied to Twin-fluid Nozzle on Heptane Pool Fire Extinguishment
	P34	Kong Depeng, He Xu, Ping Ping	Experimental Study for Flame Characteristics of Crude Oil Pool Fire on Open Water Under Cross Air Flows
Fire Suppression	P35	Masato Hasegawa, Nobuyoshi Kawabata, Miho Seike, Hao Yu Dai, Shen Wen Chien, Tzu Sheng Shen	Small Scale Test of Numerical Simulation for Spray Cooling
	P36	Takashi Kishino, Naoya Suzuki, Eiji Tanaka, Koichi Uchimura, Nobuo Ito	Renovation Works Including the Installation of the Water Spray System to Tunnels in Service
	P37	Y. P. Liu, X. S. Wang, P. Zhu, G. C. Li, X. M. Ni	Flow Visualization of the Interaction of a Water Mist Spray with a Tilted Gas Jet
High Rise Building Fire	P38	Masayuki Mizuno, Ryutaro Abe, Kosuke Fujii, Hiroyuki Kadokura, Tomonori Sano, Ai Sekizawa	Analysis on Evacuation Flow on Stairs in the Case of Phased Evacuation Drill in High-rise Office Building
	P39	SeongKyung Park, Masayuki Mizuno, Yuichiro Hijikata, Kosuke Fujii, Masayuki Okuyama, Tomonori Sano	Observational Survey on Evacuation Drill in a High-rise Office Building
Wild Fire	P40	Sayaka Suzuki, Samuel L. Manzello	Investigating Ignitions of Fuel Beds by Using a Reduced-Scale Firebrand Generator
	P41	Jiann C. Yang	On Correlating Mixed Forest Fuel Bed Fire Spread Data
Fire Safety Design	P42	Eun-Goo Jeon, Young-Hoon Bae, Jun-Ho Choi, Won-Hwa Hong	A Study on the Problems of Performance Based Design Focusing on Fire-Fighting Systems
Fire Detection	P43	Won-Hee Park, Duck-Hee Lee and Chang Yong Kim	Estimation of Activating Time of Fire Detector in Railway Car