

RECENT PUBLICATIONS

As a service to the readers, the *Journal of Fire Protection Engineering* publishes a list of recently published peer reviewed papers and books relevant to fire protection engineering. The last issue to include a listing of recent publications was Vol. 7, No. 1.

Readers are encouraged to submit additional peer reviewed articles for inclusion in this listing of recent publications. Papers which are relevant to fire protection engineering from journals which are not fully devoted to fire will be considered. Books and individual papers from journals which rarely contain fire papers may also be included.

Suggestions should be forwarded to:
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Please include a sample table of contents from the journals you are recommending for inclusion.

JOURNALS

Combustion and Flame
Vol. 102, No. 3

Di Blasi, C., and Wichman, I.S., "Effects of Solid-Phase Properties on Flames Spreading over Composite Materials."

Clemens, N.T., and Paul, P.H. "Effects of Heat Release on the Near Field Flow Structure of Hydrogen Jet Diffusion Flames."

Delichatsios, M.A., Delichatsios, M., Chen, Y., and Hasemi, Y. "Similarity Solutions and Applications to Turbulent Upward Flame Spread on Noncharring Materials."

Chomiak, J., and Nisbet, J.R. "Modeling Variable Density Effects in Turbulent Flames—Some Basic Considerations."

Combustion and Flame
Vol. 102, No. 4

Chan, S.H., Pan, X.C., and Abou-Ellail, M.M.M., "Flamelet Structure of Radiating CH₄ Air Flames."

Zhang, S., and Rutland, C. J., "Premixed Flame Effects on Turbulence and Pressure Related Terms."

Johnson, R.G., McIntosh, A.C., and Brindley, J., "Extinction of Premixed Flames by Pressure Drops."

Combustion and Flame
Vol. 103, Nos. 1 & 2

Shepherd, I.G., "Heat Release and Induced Strain in Premixed Flames."

Vlachos, D.G., "The Interplay of Transport, Kinetics, and Thermal Interactions in the Stability of Premixed Hydrogen/Air Flames Near Surface."

Therssen, E., Gourichon, L., and Delfosse, L., "Devolitization of Coal Particles in a Flat Flame—Experimental and Modeling Study."

Trevino, C., and Linan, A., "Mixing Layer Ignition of Hydrogen."

Combustion and Flame
Vol. 103, No. 3

Sheu, W.J., and Lin, M.C., "Gas-Phase Ignition of Accelerated Boundary-Layer Flows on Strongly Catalytic Surfaces."

Correa, S. M., "A Direct Comparison of Pair-Exchange and IEM Models in Premixed Combustion."

Jorand, F., Socoliuc, M., Heiss, A., and Guerassi, N., "Experimental Study and Modeling of Dodecane Ignition in a Diesel Engine."

Jiang, T. L., Chen, W. S., Tsai, M. J., and Chiu, H. H., "A Numerical Investigation of Multiple Flame Configurations in Convective Droplet Gasification."

Combustion and Flame
Vol. 103, No. 4

Wichman, I. S., and Bruneaux, G., "Head-On Quenching of a Premixed Flame by a Cold Wall."

Combustion and Flame
Vol. 104, Nos. 1 & 2

Fernandez-Pello, A.C., "Forced Forward Smolder Combustion."

Bhattacharjee, S., West, J., and Dockter, S., "A Simplified Theory for de Ris Flames Over Thick and Thin Fuel Beds."

Comitis, S.C., Glasser, D., and Young, B.D., "An Experimental and Modeling Study of Fires in Ventilated Ducts. Part II: PMMA and Stratification."

Bradley, D., Gaskell, P.H., and Gu, X.J., "Burning Velocities, Markstein Lengths, and Flame Quenching for Spherical Methane-Air Flames: A Computational Study."

Combustion and Flame
Vol. 104, No. 3

Delichatsios, M., "Measurements of Particle Flame Temperatures Using Three-Color Optical Pyrometry."

Buckmaster, J., and Lozinski, D., "An Elementary Discussion of Forward Smoldering."

Desjardin, P. E., and Frankel, S.H., "Assessment of Turbulent Combustion Submodels Using the Linear Eddy Model."

Greenberg, J.B., Silverman, I., and Tambour, Y., "A New Heterogeneous Burning Velocity Formula for the Propagation of a Laminar Flame Front Through a Polydisperse Spray of Droplets."

Combustion and Flame
Vol. 104, No. 4

Jones, H.R.N., and Leng, J., "The Influence of Fuel Composition on Emissions of CO, NO, and NO₂ from a Gas-Fired Pulsed Combuster."

Greenberg, J.B., and Sarig, N., "An Analysis of Multiple Flames in a Counterflow Spray Combustion."

Hulek, T., and Lindstedt, R.P., "Computations of Steady-State and Transient Premixed Turbulent Flames Using pfd Methods."

Fire Safety Journal
Vol. 24, No. 2

Nelson, M.I., Brindley, J., and McIntosh, A., "The Dependence of Critical Heat Flux on Fuel and Additive Properties: A Critical Mass Flux Model."

Audouin, L., Kolb, G., Torero, J.L., and Most, J.M., "Average Centreline Temperatures of a Buoyant Pool Fire Obtained by Image Processing of Video Recordings."

Fire Safety Journal
Vol. 24, No. 3

Neves, I.C., "The Critical Temperature of Steel Columns with Restrained Thermal Elongation."

Grant, G., and Drysdale, D., "Numerical Modelling of Early Flame Spread in Warehouse Fires."

Fire Safety Journal
Vol. 24, No. 4

Gottuk, D.T., Roby, R.J., and Beyler, C.L., "The Role of Temperature on Carbon Monoxide Production in Compartment Fires."

Beard, A.N., Drysdale, D.D., and Bishop, S.R., "A Non-linear Model of Major Fire Spread in a Tunnel."

Downie, B., Polymeropoulos, C., and Gogos, G.

G., "Interaction of a Water Mist with a Buoyant Methane Diffusion Flame."

Dembsey, N.A., Pagni, P.J., and Williamson, R.B., "Compartment Fire Near-field Entrainment Measures."

Fire Technology
Vol. 31, No. 2

Milke, J. A., and McAvoy, T. J., "Analysis of Signature Patterns for Discriminating Fire Detection with Multiple Sensors."

Gandhi, P.D., "Temperature and Velocity Correlations in Room Fires for Estimating Sprinkler Actuation Times."

Yoshida, Y., "Evaluating Building Fire Safety Through Egress Prediction: A Standard Application in Japan."

Fire Technology
Vol. 31, No. 3

Ewing, C. T., Faith, F. R., Romans, J. B., Siegmann, C.W., Ouellette, R. J., and Hughes, J. T., "Extinguishing Class A Fires with Multipurpose Chemicals."

Scheffey, J. L., Darwin, R. L., and Leonard, J.T., "Evaluating Firefighting Foams for Aviation Fire Protection."

Fire Technology
Vol. 31, No. 4

Brozovsky, E., Motevalli, V., and Custer, R.L.P., "A First Approximation Method for Smoke Detector Placement Based on Design Fire Size, Critical Velocity, and Detector Aerosol Entry Lag Time."

Fire Technology
Vol. 31, No. 4

Tuovinen, H., "Validation of Ceiling Jet Flows in a Large Corridor with Vents Using the CFD Code JASMINE."

Sheppard, D.T., and Gandhi, P.D., "Estimating Smoke Hazard from Steiner Tunnel SmokeData."