

- QUACH T., BENELFELLAH A., BATIOU B., HALM D., ROGAUME T., LUCHE J., BERTHEAU D. *Determination of the tensile residual properties of a wound carbon/epoxy composite first exposed to fire*. Journal Of Composite Materials, **vol. 51**, pp. 17-29, 2017
- ACEM Z., BRISSINGER D., COLLIN A., PARENT G., BOULET P., HAY YEN QUACH T., BATIOU B., RICHARD F., ROGAUME T. *Surface temperature of carbon composite samples during thermal degradation*. International Journal Of Thermal Sciences, **vol. 112**, pp. 427-438, 2017
- BENKORICHI S., FATEH T., RICHARD F. *Investigation of thermal degradation of pine needles using multi-step reaction mechanisms*. Fire Safety Journal, **vol. 91**, pp. 811-819, 2017
- EL-RABII H., KAZAKOV K. A., MULLER M. *Experimental and theoretical study of iron and mild steel combustion in oxygen flows*. Physics Of Fluids , **vol. 29**, pp. 037104, 2017
- FATEH T., ZHANG J., DELICHATSIOS M., ROGAUME T. *Experimental investigation and numerical modelling of the fire performance for epoxy resin carbon fibre composites of variable thicknesses*. Fire And Materials, **vol. 41**, pp. 307-322, 2017
- ROUSSEAUX P., GREMY-GROS C., BONNIN M., HENRIEL-RICORDEL C., BERNARD P., FLOURY L., STAIGRE G., VINCENT P. *Eco-tool-seeker": A new and unique business guide for choosing ecodesign tools*. Journal Of Cleaner Production, **vol. 151**, pp. 546-577, 2017
- THOVERT J.-F., MOURZENKO V., ADLER P. M. *Percolation in three-dimensional fracture networks for arbitrary size and shape distributions*. Physical Review E , **vol. 95**, pp. 042112, 2017
- MAGNOGNOU B., GARO J. P., COUDOUR B., WANG H. Y. *Risk analysis of unburnt gas ignition in an exhaust system connected to a confined and mechanically ventilated enclosure fire*. Fire Safety Journal, **vol. 91**, pp. 291-302, 2017
- FATEH T., KAHANJI C., JOSEPH P., ROGAUME T. *A study of the effect of thickness on the thermal degradation and flammability characteristics of some composite materials using a cone calorimeter*. Journal Of Fire Sciences, **vol. 35**, pp. 547-564, 2017
- ELAYEB M., DEBENEST G., MOURZENKO V., THOVERT J.-F. *Smoldering combustion in oil shales. Influence of calcination and pyrolytic reactions*. Transport In Porous Media, **vol. 116**, pp. 889-921, 2017
- WANG H. Y., WANG G. D. *A predictive solution for engineering calculations on a full scale aircraft post-crash fire*. International Journal Of Astronautics And Aeronautical Engineering, **vol. 2**, pp. 1-20, 2017
- WANG G. D., WANG H. Y. *Effects of a full scale aircraft immersed within a large aviation-fuel fire in crosswind on the flame shape -- A numerical study*. The Scientific Pages Of Aerospace Engineering And Mechanics, **vol. 1**, pp. 15-29, 2017
- COURTY L., GARO J. P. *External heating of electric cables and autoignition investigation*. Journal Of Hazardous Material, **vol. 321**, pp. 528-536, 2017
- KOUTAAIBA E., DHIMA D., DUNY M., WANG H. Y., GARO J. P., JULLIEN Q. *Experimental Study on Vertical Wooden Façade Combustion*. Procedia Engineering, **vol. 210**, pp. 520-527, 2017
- BENELFELLAH A., HALM D., BERTHEAU D., BOULET P., ACEM Z., BRISSINGER D., ROGAUME T. *Effect of a coupled thermomechanical loading on the residual mechanical strength and on the surface temperature of wound carbon/epoxy composite*. Journal Of Composite Materials, **vol. 51**, pp. 3137-3147, 2017
- FATEH T., RICHARD F., ZAIDA J., ROGAUME T., JOSEPH P. *Experimental investigation of the thermal degradation of pine needles*. Fire And Materials, **vol. 41**, pp. 654-674, 2017

-
- PORTA G., CERIOTTI G., THOVERT J.-F. *Comparative assessment of continuum-scale models of bimolecular reactive transport in porous media under pre-asymptotic conditions*. Journal of Contaminant Hydrology, **vol. 185-186**, pp. 1-13, 2016
- LASSUS J., COURTY L., STUDER E., GARO J. P., JOURDA P., AINE P. *Estimation of species concentrations during a fire in a reduced-scale room*. Journal of Fire Sciences, **vol. 34**, pp. 30-50, 2016
- QUACH T., BENELFELLAH A., BATIOU B., HALM D., ROGAUME T., LUCHE J., BERTHEAU D. *Determination of the tensile residual properties of a wound carbon/epoxy composite first exposed to fire*. Journal of Composite Materials, pp. 1-13, 2016
- DAO D. Q., LUCHE J., RICHARD F., ROGAUME T., BUSTAMANTE VALENCIA L., RUBAN S. *Thermal degradation of epoxy resin/carbon fiber composites: Influence of carbon fiber amount on the fire reaction properties and on the gaseous species release*. Fire and Materials, **vol. 40**, pp. 27-47, 2016
- MARQUIS D., BATIOU B., GUILLAUME E., ROGAUME T. *Influence of reaction mechanism accuracy on the chemical reactivity prediction of complex charring material in fire condition*. Journal of Analytical and Applied Pyrolysis, **vol. 118**, pp. 231-248, 2016
- FATEH T., RICHARD F., BATIOU B., ROGAUME T., LUCHE J., ZAIDA J. *Characterization of the burning behavior and gaseous emissions of pine needles in a cone calorimeter -- FTIR apparatus*. Fire Safety Journal, **vol. 82**, pp. 91-100, 2016
- BATIOU B., COLLIN A., RICHARD F., ROGAUME T. *Study on a one-step reaction of degradation model: from analytical solution formulation to global sensitivity analysis*. Fire Safety Journal, **vol. 82**, pp. 76-90, 2016
- FATEH T., RICHARD F., ROGAUME T., JOSEPH P. *Experimental and modelling studies on the kinetics and mechanisms of thermal degradation of poly (methyl methacrylate) in nitrogen and air*. Journal Of Analytical And Applied Pyrolysis, **vol. 120**, pp. 423-433, 2016
- WANG H. Y., WANG G. D. *Mathematical modelling of a full scale aircraft immersed within a large aviation-fuel fire in a moving fluid medium*. Journal Of Modeling And Optimization, **vol. 8**, pp. 1-19, 2016
- DUNY M., DHIMA D., GARO J. P., WANG H. Y. *Numerical investigation on window ejected facade flames*. Journal Of Building Engineering, **vol. 8**, pp. 305-312, 2016
- COUDOUR B., CHETEHOUNA K., CONAN B., AUBRUN S., KAISS A., GARO J. P. *Experimental investigation of the influence of geometry on gas accumulation using a V-shape forest model*. Atmospheric Environment, **vol. 141**, pp. 67-79, 2016
- COUDOUR B., CHETEHOUNA K., HALTER F., MOUNAIM-ROUSSELLE C., GARO J. P. *Effects of Temperature and Equivalence Ratio on Laminar Burning Speeds of α -Pinene/Benzene/Air Mixtures for Different Fuel Proportions*. Combustion Science And Technology, **vol. 188**, pp. 2128-2136, 2016

-
- YANG C., THOVERT J.-F., DEBENEST G. *Upscaling of mass and thermal transports in porous media with heterogeneous combustion reactions*. International Journal of Heat and Mass Transfer, **vol. 84**, pp. 862-875, 2015
- MULLER M., EL-RABII H., FABBRO R. *Liquid phase combustion of iron and mild steel in an oxygen atmosphere*. Journal of Material Sciences, **vol. 50**, pp. 3337-3350, 2015

JASINSKI L., SANGARE D., ADLER P. M., MOURZENKO V., THOVERT J.-F., GLAND N., BEKRI S. *Transport properties of a Bentheim sandstone under deformation*. Physical Review E , **vol. 91**, pp. 013304--, 2015

WANG H. Y., HERVIOU T. *Mathematical Modelling on Chemically Reacting Boundary Type Flow under Reduced Gravity Conditions*. Journal of Physics Conference Series, **vol. 574**, pp. 012010-012010, 2015

WANG H. Y., WANG G. D. *Interaction between crosswind and aviation-Fuel fire engulfing a full scale composite-type aircraft*. Journal of Aerospace, **vol. 2**, pp. 279-311, 2015

BAUD G., SALAVADOR S., DEBENEST G., THOVERT J.-F. *New Granular Model Medium To Investigate Smoldering Fronts Propagation---Experiments*. Energy & Fuels, **vol. 29**, pp. 6780-6792, 2015

COUDOUR B., CHETEHOUNA K., RUDZ S., GILLARD P., GARO J. P. *Investigation on Minimum Ignition Energy of mixtures of α -pinene--benzene/air* . Journal of Hazardous Material, **vol. 283**, pp. 507-511, 2015

CONAN B., AUBRUN S., COUDOUR B., CHETEHOUNA K., GARO J. P. *Contribution of coherent structures to momentum and concentration fluxes over a flat vegetation canopy modelled in a wind tunnel*. Atmospheric Environment, **vol. 107**, pp. 329-341, 2015

2014

MULLER M., EL-RABII H., FABBRO R. *Laser Ignition of Bulk Iron, Mild Steel, and Stainless Steel in Oxygen Atmospheres*. Combustion Science and Technology, **vol. 186**, pp. 953-974, 2014

MOURZENKO V., VARLOTEAUX C., GUILLON S., THOVERT J.-F., PILI E., ADLER P. M. *Barometric pumping of a fractured porous medium*. Geophysical Research Letter, **vol. 41**, pp. 6698-6704, 2014

ROSENZWEIG R., MOURZENKO V., THOVERT J.-F., ADLER P. M. *Solid matrix partition by fracture networks*. Physical Review E , **vol. 90**, pp. 022407 -0224025, 2014

MALINOUSKAYA I., THOVERT J.-F., MOURZENKO V., ADLER P. M., SHEKHAR R., AGAR S., ROSERO E., TSENN M. *Fracture analysis in the Amellago outcrop and permeability predictions*. Petroleum Geoscience, **vol. 20**, pp. 93-107, 2014

BATIOT B., LUCHE J., ROGAUME T. *Thermal and Chemical analysis of flammability and combustibility of fir wood in cone calorimeter coupled to FTIR apparatus*. Fire and Materials, **vol. 38**, pp. 418-431, 2014

ROGER F., GOURARA A., MOST J. M., WANG H. Y. *Numerical investigation on the reactive gas mixing through interaction between twin square jets side-by-side and a crossflow*. Chemical Engineering Journal, **vol. 238**, pp. 45-55, 2014

GUILLAUME E., CAMILLO A., ROGAUME T. *Application and limitations of a method based on pyrolysis models to simulate Railway Rolling Stock fire scenarios*. Fire Technology, **vol. 50**, pp. 317-348, 2014

FATEH T., ROGAUME T., RICHARD F. *Multi-scale modelling of the thermal decomposition of plywood*. Fire Safety Journal, **vol. 64**, pp. 36-47, 2014

FATEH T., ROGAUME T., LUCHE J., RICHARD F., JABOUILLE F. *Characterization of the Thermal Decomposition of two kinds of plywood with a cone calorimeter - FTIR apparatus*. Journal of Analytical and Applied Pyrolysis, **vol. 107**, pp. 87-100, 2014

LASSUS J., COURTY L., STUDER E., GARO J. P., JOURDA P., AINE P. *Ventilation effects in confined and mechanically ventilated fires*. International Journal of Thermal Sciences, **vol. 75**, pp. 87-94, 2014

DAO D. Q., LUCHE J., ROGAUME T., BUSTAMANTE VALENCIA L., RUBAN S. *Polyamide 6 and polyurethane used as liner for hydrogen composite cylinder: an estimation of fire behaviours*. Fire Technology, **vol. 50**, pp. 1-24, 2014

BLANCHARD E., BOULET P., FROMY P., DESANGHERE S., CARLOTTI P., VANTELON J. P., GARO J. P. *Experimental and numerical study of the interaction between water mist and fire in an intermediate test tunnel*. Fire Technology, **vol. 50**, pp. 565-587, 2014

COURTY L., CHETEHOUNA K., CHEN Z., HALTER F., MOUNAIM-ROUSSELLE C., GARO J. P. *Determination of laminar burning speeds and markstein lengths of p-cymene/air mixtures using three models*. Combustion Science and Technology, **vol. 186**, pp. 490-503, 2014

CHETEHOUNA K., COURTY L., GARO J. P., VIEGAS D. X., FERNANDEZ-PELLO C. *Flammability limits of biogenic volatile organic compounds emitted by fire-heated vegetation (Rosmarinus officinalis) and their potential link with accelerating forest fires in canyons: A Froude-scaling approach*. Journal of Fire Sciences, **vol. 32**, pp. 316-327, 2014

COUDOUR B., CHETEHOUNA K., COURTY L., GARO J. P., LEMEE L. *Combustion characteristics of two biogenic volatile organic compounds: l-fenchone and 3-hexen-1-ol*. Combustion Science and Technology, **vol. 186**, pp. 1284-1294, 2014

COURTY L., CHETEHOUNA K., LEMEE L., FERNANDEZ-PELLO C., GARO J. P. *Biogenic Volatile Organic Compounds (BVOCs) Emissions of Representative Forest Vegetation at Elevated Temperatures and Their Potential Contribution in Accelerating Forest Fires*. Journal of Fire Sciences, **vol. 32**, pp. 459-479, 2014

2013

CHETEHOUNA K., COURTY L., MOUNAIM-ROUSSELLE C., HALTER F., GARO J. P. *Combustion Characteristics of p-Cymene Possibly Involved in Accelerating Forest Fires*. Combustion Science and Technology, **vol. 185**, pp. 1295-1305, 2013

QUANG DAO D., LUCHE J., RICHARD F., ROGAUME T., BOURHY-WEBER C., RUBAN S. *Determination of characteristic parameters for the thermal decomposition of epoxy resin/carbon fibre composites in cone calorimeter*. International Journal of Hydrogen Energy, **vol. 38**, pp. 8167-8178, 2013

MARQUIS D., GUILLAUME E., CAMILLO A., ROGAUME T., RICHARD F. *Existence and uniqueness of solutions of a differential equation system modeling the thermal decomposition of polymer materials*. Combustion and Flame, **vol. 160**, pp. 818-829, 2013

NASR A., SUARD S., EL-RABII H., GARO J. P., GAY L., RIGOLLET L. *Heat feedback to the Fuel surface of a pool fire in an enclosure*. Fire Safety Journal, **vol. 60**, pp. 56-63, 2013

SANGARE D., MOURZENKO V., THOVERT J.-F., ADLER P. M. *Interaction between a fracture network and a cubic cavity*. Physical Review E, **vol. 88**, pp. 033015--, 2013

FATEH T., ROGAUME T., LUCHE J., RICHARD F., JABOUILLE F. *Kinetic and mechanism of the thermal degradation of a plywood by using thermogravimetry and Fourier-transformed infrared spectroscopy analysis in nitrogen and air atmosphere*. Fire Safety Journal, **vol. 58**, pp. 25-37, 2013

WANG G. D., WANG H. Y., MOST J. M. *Mathematical modelling of the interaction between wind and aviation-Fuel fire engulfing a fuselage-sized cylinder*. Journal of Fire Sciences, **vol. 31**, pp. 424-448, 2013

FATEH T., ROGAUME T., LUCHE J., RICHARD F., JABOUILLE F. *Modeling of the thermal decomposition of a treated plywood from thermo-gravimetry and Fourier-transformed infrared spectroscopy experimental analysis*. Journal of Analytical and Applied Pyrolysis, **vol. 101**, pp. 35-44, 2013

PORTA G., CHAYNIKOV S., THOVERT J.-F., RIVA M., GUADAGNINI A., ADLER P. M. *Numerical investigation of pore and continuum scale formulations of bimolecular reactive transport in porous media*. *Advances in Water Resources*, **vol. 62**, pp. 243-253, 2013

CAMILLO A., GUILLAUME E., ROGAUME T., ALLARD A., DIDIEUX F. *Risk analysis of fire and evacuation events in the European railway transport network*. *Fire Safety Journal*, **vol. 60**, pp. 25-36, 2013

WANG H. Y. *Soot formation and Carbon Monoxide Production in Buoyancy-Driven Parallel Vertical Wall Fire - a Computer Study*. *International Journal on Engineering Performance-Based Fire Codes*, **vol. 11**, pp. 27-42, 2013

2012

LEBOUCHER N., ROGER F., CARREAU J. L. *Characteristics of the spray produced by the atomization of an annular liquid sheet assisted by an inner gas jet*. *Atomization and Sprays*, **vol. 22**, pp. 515-542, 2012

BOULET P., PARENT G., ACEM Z., ROGAUME T., FATEH T., ZAIDA J., RICHARD F. *Characterization of the radiative exchanges when using a cone calorimeter for the study of the plywood pyrolysis*. *Fire Safety Journal*, **vol. 51**, pp. 53-60, 2012

LI X. Y., Q. CHEN W., WANG H. Y., WANG G. D. *Crack tip plasticity of a penny-shaped Dugdale crack in a power-law graded elastic infinite medium*. *Engineering Fracture Mechanics Journal*, **vol. 88**, pp. 1-14, 2012

BLANCHARD E., BOULET P., DESANGHERE S., CESMAT E., MEYRAND R., GARO J. P., P. VANTELON J. *Experimental and numerical study of fire in a midscale test tunnel*. *Fire Safety Journal*, **vol. 47**, pp. 18-31, 2012

COURTY L., CHETEHOUNA K., HALTER F., FOUCHER F., GARO J. P., MOUNAIM-ROUSSELLE C. *Experimental determination of emission and laminar burning speeds of alpha-pinene*. *Combustion and Flame*, **vol. 159**, pp. 1385-1392, 2012

COURTY L., CHETEHOUNA K., HALTER F., FOUCHER F., GARO J. P., MOUNAIM-ROUSSELLE C. *Flame Speeds of α -Pinene/Air and Limonene/Air Mixtures Involved in Accelerating Forest Fires*. *Combustion Science and Technology*, **vol. 184**, pp. 1397-1411, 2012

QUERINI F., DAGOSTINO S., MOREL S., ROUSSEAU P. *Greenhouse Gas Emissions of Electric Vehicles Associated with Wind and Photovoltaic Electricity*. *Energy Procedia*, **vol. 20**, pp. 391-401, 2012

LUCHE J., MATHIS E., ROGAUME T., RICHARD F., GUILLAUME E. *High-density polyethylene thermal degradation and gaseous compound evolution in a cone calorimeter*. *Fire Safety Journal*, **vol. 54**, pp. 24-35, 2012

PORTA G., THOVERT J.-F., RIVA M., GUADAGNINI A., ADLER P. M. *Microscale simulation and numerical upscaling of a reactive flow in a plane channel*. *Physical Review E*, **vol. 86**, pp. 036102--, 2012

AISSANI L., JABOUILLE F., BOURGOIS J., ROUSSEAU P. *A new methodology for risk evaluation taking into account the whole life cycle (LCRA): Validation with case study*. *Process Safety and Environmental Protection*, **vol. 90**, pp. 295-303, 2012

WANG H. Y. *Numerical and theoretical evaluations of the propagation of smoke and fire in a full-scale tunnel*. *Fire Safety Journal*, **vol. 49**, pp. 10-21, 2012

MOURZENKO V., THOVERT J.-F., ADLER P. M. *Percolation and permeability of fracture networks in excavated damaged zones*. *Physical Review E*, **vol. 86**, pp. 026312--, 2012

COURTY L., CHETEHOUNA K., LEMEE L., MOUNAIM-ROUSSELLE C., HALTER F., GARO J. P. *Pinus pinea emissions and combustion characteristics of limonene potentially involved in accelerating forest fires*. International Journal of Thermal Sciences, **vol. 57**, pp. 92-97, 2012

OUIMINGA S. K., ROGAUME T., DAHO T., YONLI A. H., KOULIDIATI J. *Reductive and oxidative combustion of polyethylene bags: Characterization of carbonaceous and nitrogenous species*. Journal of Analytical and Applied Pyrolysis, **vol. 98**, pp. 72-78, 2012

MULLER M., FABBRO R., EL-RABII H., HIRANO K. *Temperature measurement of laser heated metals in highly oxidizing environment using 2D single-band and spectral pyrometry*. Journal of Laser Applications, **vol. 24**, pp. 022006-1-022006-11, 2012

OUIMINGA S. K., ROGAUME T., DAHO T., RICHARD F., KOULIDIATI J. *Thermal Degradation of Polyethylene Bags and Millet Stalks: Influence of the Temperature and the Local Concentration of Oxygen on the Conversion Rate of Carbon*. Advances in Chemical Engineering and Science, **vol. 2**, pp. 155-165, 2012

2011

ANDRADE F. O., FIGUEIRA DA SILVA L. F., MURA A. *Large Eddy Simulation of Turbulent Premixed Combustion at Moderate Damköhler Numbers Stabilized in a High-Speed Flow*. Combustion Science and Technology, **vol. 183**, pp. 645-664, 2011

THOVERT J.-F., MOURZENKO V., ADLER P. M., NUSSBAUM C., PINETTE P. *Faults and fractures in the Gallery 04 of the Mont Terri rock laboratory: Characterization, simulation and application*. Engineering Geology, **vol. 117**, pp. 39-51, 2011

BOGDANOV I. I., HUAMAN D., THOVERT J.-F., GENTHON P., ADLER P. M. *Tectonic stresses seaward of an aseismic ridge---Trench collision zone. A remote sensing approach on the Loyalty Islands, SW Pacific*. Tectonophysics, **vol. 499**, pp. 77-91, 2011

HURAND S., CHAUNY L. A., EL-RABII H., JOSHI S., YALIN A. P. *Mode coupling and output beam quality of 100-400 μ m core silica fibers*. Applied Optics, **vol. 50**, pp. 492-499, 2011

JOSHI S., EL-RABII H., DUMITRESCU C., PUZINAUSKAS P., YALIN A. P. *Temperature and electron density measurements of laser induced plasmas in air at elevated pressures*. Applied Optics, **vol. 44**, pp. 103-112, 2011

LUCHE J., ROGAUME T., RICHARD F., GUILLAUME E. *Characterization of thermal properties and analysis of combustion behavior of PMMA in a cone calorimeter*. Fire Safety Journal, **vol. 46**, pp. 451-461, 2011

WANG H. Y., MERINO J. L. F. *Quenching of a Boundary-Layer Laminar Diffusion Flame in Microgravity*. AIAA Journal, **vol. 49**, pp. 383-395, 2011

MILOUA H., AZZI A., WANG H. Y. *Evaluation of different numerical approaches for a ventilated tunnel fire*. Journal of Fire Sciences, **vol. 29**, pp. 403-429, 2011

MOURZENKO V., THOVERT J.-F., ADLER P. M. *Permeability of isotropic and anisotropic fracture networks, from the percolation threshold to very large densities*. Physical Review E, **vol. 84**, pp. 36307-, 2011

MOURZENKO V., THOVERT J.-F., ADLER P. M. *Trace analysis for fracture networks with anisotropic orientations and heterogeneous distributions*. Physical Review E, **vol. 83**, pp. 31104-, 2011

NASR A., SUARD S., EL-RABII H., GAY L., GARO J. P. *Fuel Mass-Loss Rate Determination in a Confined and Mechanically Ventilated Compartment Fire Using a Global Approach*. Combustion Science and Technology, **vol. 183**, pp. 1342-1359, 2011

QUERINI F., BEZIAT J. C., MOREL S., BOCH V., ROUSSEAU P. *Life cycle assessment of automotive Fuels: critical analysis and recommendations on the emissions inventory in the tank to wheels stage*. International Journal of Life Cycle Assessment, **vol. 16**, pp. 454-164, 2011

QUERINI F., MOREL S., BOCH V., ROUSSEAUX P. *USEtox relevance as an impact indicator for automotive Fuels. Application on diesel Fuel, gasoline and hard coal electricity*. International Journal of Life Cycle Assessment , **vol. 16**, pp. 829-840, 2011

ROGAUME T., VALENCIA L. B., GUILLAUME E., RICHARD F., LUCHE J., REIN G., TORERO J. L. *Development of the Thermal Decomposition Mechanism of Polyether Polyurethane Foam Using Both Condensed and Gas-Phase Release Data*. Combustion Science and Technology, **vol. 183**, pp. 627-644, 2011

ROUSSEAU B., DE SOUSA-MENESES D., ECHEGUT P., THOVERT J.-F. *Textural parameters influencing the radiative properties of a semitransparent porous media*. International Journal of Thermal Sciences, **vol. 50**, pp. 178-186, 2011

THOVERT J.-F., ADLER P. M. *Grain reconstruction of porous media: Application to a Bentheim sandstone*. Physical Review E , **vol. 83**, pp. 56116-, 2011

WANG H. Y., MERINO J. L. F., DAGAUT P. *Effects of soot formation on shape of a nonpremixed laminar flame established in a shear boundary layer in microgravity*. Journal of Physics Conference Series, **vol. 327**, pp. ---, 2011

MOURZENKO V., BOGDANOV I. I., THOVERT J.-F., ADLER P. M. *Three-dimensional numerical simulation of single-phase transient compressible flows and well-tests in fractured formations*. Mathematics and Computers in Simulation , **vol. 81**, pp. 2270-2281, 2011

2010

MARTINS M. F., SALAVADOR S., THOVERT J.-F., DEBENEST G. *Co-current combustion of oil shale -- Part 2: Structure of the combustion front*. Fuel, **vol. 89**, pp. 144-151, 2010

MARTINS M. F., SALVADOR S., THOVERT J.-F., DEBENEST G. *Co-current combustion of oil shale - Part 1: Characterization of the solid and gaseous products*. Fuel, **vol. 89**, pp. 133-143, 2010

JOULIN G., DENET B., EL-RABII H. *Potential-flow models for channelled two-dimensional premixed flames around near-circular obstacles*. Physical Review E , **vol. 81**, pp. 16314-, 2010

GARO J. P., VANTELON J. P., LEMONNIER D. *Effect on Radiant Heat Transfer at the Surface of a Pool Fire Interacting With a Water Mist*. Journal of Heat Transfer-Transactions of the ASME, **vol. 132**, pp. 1-9, 2010

EL-RABII H., JOULIN G., KAZAKOV K. A. *Premixed Flame Propagation in Channels of Varying Width*. SIAM Journal of Applied Mathematics, **vol. 70**, pp. 3287-3318, 2010

EL-RABII H., JOULIN G., KAZAKOV K. A. *Stability analysis of confined V-shaped flames in high-velocity streams*. Physical Review E , **vol. 81**, pp. 66312-, 2010

GERBAUX O., BUYENS F., MOURZENKO V., MEMPONTEIL A., VABRE A., THOVERT J.-F., ADLER P. M. *Transport properties of real metallic foams*. Journal of Colloid and Interface Science, **vol. 342**, pp. 155-165, 2010

LASSUS J., GARO J. P., VANTELON J. P., LAMUTH P., GAUTIER B. *Simulation of ignition risk of unburnt gases in the extraction vent of a room fire*. Trends in Heat & Mass Transfer, **vol. 12**, pp. 17-24, 2010

LASSUS J., STUDER E., GARO J. P., VANTELON J. P., JOURDA P., AINE P. *Influence of Ventilation on Ignition Risk of Unburnt Gases in the Extraction Duct of Underventilated Compartment Fire*. Combustion Science and Technology, **vol. 182**, pp. 517-528, 2010

LEBOUCHER N., ROGER F., CARREAU J. L. *Disintegration Process of an annular Liquid Sheet Assisted by Coaxial Gaseous Coflow(s)*. Atomization and Sprays, **vol. 20**, pp. 847-862, 2010

LI X. Y., CHEN W. Q., WANG H. Y. *General steady-state solutions for transversely isotropic thermoporoelastic media in three dimensions and its application.* European Journal of Mechanics A - Solids, **vol. 29**, pp. 317-326, 2010

ROGAUME T., RICHARD F., ANDZI.BARHE T., TORERO J. L., ROUSSEAU P. *Numerical study of NO_x formation during incineration of cellulosic and plastic materials: The combustion regime.* International Journal of Thermal Sciences, **vol. 49**, pp. 443-453, 2010

SANGARE D., THOVERT J.-F., ADLER P. M. *Macroscopic properties of fractured porous media.* Physica A - Statistical Mechanics and its Applications , **vol. 389**, pp. 921-935, 2010

VICTOROVA S. B., EL-RABII H., GUBINB S. A., MAKLASHOVAB I. V., BOGDANOVAB Y. A. *An Accurate Equation-of-State Model for Thermodynamic Calculations of Chemically Reactive Carbon-Containing Systems.* Journal of Energetic Materials, **vol. 28**, pp. 35-49, 2010