# Dionysios I Kolaitis

List of Publications by Year
in descending order



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|---|---|---|---|
| 35 papers | 598 citations | 687220 13 h-index | 610775 24 g-index |
| 36 all docs | 36 docs citations | 36 times ranked | 625 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of horizontal projection's vertical location on the characteristics of externally venting flames. Fire Safety Journal, 2021, 120, 103138. | 1.4 | 1 |
| 2 | Performance of a ventilatedâ€faÃ§ade system under fire conditions: An experimental investigation. Fire and Materials, 2020, 44, 776-792. | 0.9 | 3 |
| 3 | Fire Performance of CLT Members: A Detailed Review of Experimental Studies Across Multiple Scales. , 2020, , 251-257. | | 1 |
| 4 | Numerical investigation of externally venting flame characteristics in a corridor-faÃ§ade configuration. Fire Safety Journal, 2019, 110, 102912. | 1.4 | 4 |
| 5 | Coupled thermo-mechanical simulation for the performance-based fire design of CFS drywall systems. Journal of Constructional Steel Research, 2018, 145, 196-209. | 1.7 | 6 |
| 6 | Review and comparative assessment of engineering correlations for the fire-induced air inflow rate through a compartment opening. Journal of Physics: Conference Series, 2018, 1107, 042028. | 0.3 | 0 |
| 7 | Fire Safety Protection Assessment of Industrial Technologies. Journal of Physics: Conference Series, 2018, 1107, 042036. | 0.3 | 3 |
| 8 | Solar wall enhanced with phase-change materials: a detailed numerical simulation study. Advances in Building Energy Research, 2017, 11, 87-103. | 1.1 | 8 |
| 9 | Assessment of Fire Engineering Design Correlations Used to Describe the Geometry and Thermal Characteristics of Externally Venting Flames. Fire Technology, 2017, 53, 709-739. | 1.5 | 13 |
| 10 | Fire behaviour of gypsum plasterboard wall assemblies: CFD simulation of a full-scale residential building. Case Studies in Fire Safety, 2017, 7, 23-35. | 1.0 | 12 |
| 11 | Thermal characteristics of externally venting flames and their effect on the exposed faÃ§ade surface. Fire Safety Journal, 2017, 91, 451-460. | 1.4 | 16 |
| 12 | Geometrical characteristics of externally venting flames: Assessment of fire engineering design correlations using medium-scale compartment-faÃ§ade fire tests. Journal of Loss Prevention in the Process Industries, 2016, 44, 780-790. | 1.7 | 16 |
| 13 | Thermal and Mechanical Computational Study of Load-Bearing Cold-Formed Steel Drywall Systems Exposed to Fire. Fire Technology, 2016, 52, 2071-2092. | 1.5 | 10 |
| 14 | Characteristics of Externally Venting Flames and Their Effect on the FaÃ§ade: A Detailed Experimental Study. Fire Technology, 2016, 52, 2043-2069. | 1.5 | 17 |
| 15 | An experimental and numerical simulation study of an active solar wall enhanced with phase change materials. Journal of Facade Design and Engineering, 2015, 3, 71-80. | 0.1 | 6 |
| 16 | Fire safety aspects of PCM-enhanced gypsum plasterboards: An experimental and numerical investigation. Fire Safety Journal, 2015, 72, 50-58. | 1.4 | 39 |
| 17 | Development and Parametric Evaluation of a Tabulated Chemistry Tool for the Simulation of n-Heptane Low-Temperature Oxidation and Autoignition Phenomena. Journal of Combustion, 2014, 2014, 1-13. | 0.5 | 3 |
| 18 | Fire protection of light and massive timber elements using gypsum plasterboards and wood based panels: A large-scale compartment fire test. Construction and Building Materials, 2014, 73, 163-170. | 3.2 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Comparative assessment of internal and external thermal insulation systems for energy efficient retrofitting of residential buildings. Energy and Buildings, 2013, 64, 123-131. | 3.1 | 173 |
| 20 | Development of a solid reaction kinetics gypsum dehydration model appropriate for CFD simulation of gypsum plasterboard wall assemblies exposed to fire. Fire Safety Journal, 2013, 58, 151-159. | 1.4 | 30 |
| 21 | Experimental and Computational Investigation of CO Production and Dispersion in an Automotive Repair Shop. Indoor and Built Environment, 2013, 22, 750-765. | 1.5 | 3 |
| 22 | Gypsum plasterboards enhanced with phase change materials: A fire safety assessment using experimental and computational techniques. MATEC Web of Conferences, 2013, 9, 06002. | 0.1 | 2 |
| 23 | Comparative assessment of CFD Tools and the Eurocode Methodology in describing Externally Venting Flames. MATEC Web of Conferences, 2013, 9, 03003. | 0.1 | 2 |
| 24 | A 3D CFD Modelling Study of a Diesel Oil Evaporation Device Operating in the Stabilized Cool Flame Regime. Journal of Computational Multiphase Flows, 2010, 2, 219-233. | 0.8 | 0 |
| 25 | Numerical Simulation of Diesel Spray Evaporation in a â€œStabilized Cool Flameâ€•Reactor: A Comparative Study. Flow, Turbulence and Combustion, 2009, 82, 599-619. | 1.4 | 7 |
| 26 | On the assumption of using n-heptane as a â€œsurrogate fuelâ€•for the description of the cool flame oxidation of diesel oil. Proceedings of the Combustion Institute, 2009, 32, 3197-3205. | 2.4 | 28 |
| 27 | Turbulent Sprays Evaporating Under "Stabilized Cool Flame" Conditions: Assessment of two CFD Approaches. Numerical Heat Transfer, Part B: Fundamentals, 2007, 52, 51-68. | 0.6 | 10 |
| 28 | Quantification of emissions from the co-incineration of cutting oil emulsions in cement plants â€“ Part I: NOx, CO and VOC. Fuel, 2007, 86, 1144-1152. | 3.4 | 27 |
| 29 | Quantification of emissions from the co-incineration of cutting oil emulsions in cement plants â€“ Part II: Trace species. Fuel, 2007, 86, 2491-2501. | 3.4 | 16 |
| 30 | A tabulated chemistry approach for numerical modeling of diesel spray evaporation in a â€œstabilized cool flameâ€•environment. Combustion and Flame, 2006, 145, 259-271. | 2.8 | 25 |
| 31 | A comparative study of numerical models for Eulerianâ€“Lagrangian simulations of turbulent evaporating sprays. International Journal of Heat and Fluid Flow, 2006, 27, 424-435. | 1.1 | 45 |
| 32 | NUMERICAL MODELLING OF TRANSPORT PHENOMENA IN A DIESEL SPRAY â€œSTABILIZED COOL FLAMEâ€• REACTOR. Combustion Science and Technology, 2006, 178, 1087-1115. | 1.2 | 5 |
| 33 | NUMERICAL SIMULATION OF DIESEL SPRAY EVAPORATION EXPLOITING THE "STABILIZED COOL FLAME" PHENOMENON. , 2005, 15, 1-18. | | 9 |
| 34 | EQUILIBRIUM EVAPORATION SPRAY MODELING FOR APPLICATION IN COOL FLAMES. Clean Air, 2005, 6, 357-374. | 0.0 | 0 |
| 35 | Modeling of the gasâ€“particle flow in industrial classification chambers for design optimization. Powder Technology, 2002, 125, 298-305. | 2.1 | 14 |