Снегирев Александр Юрьевич
доктор технических наук
Санкт-Петербургский политехнический университет Петра Великого (СПбПУ)
a.snegirev@phmf.spbstu.ru
Публикации:

[1] A. Snegirev, E. Kuznetsov, E. Markus, J. Harris, B. Moravec, Performance and calibration of two subgrid extinction models for turbulent diffusion combustion in an under-ventilated enclosure fire, J. Phys. Conf. Ser. 1107 (2018). https://doi.org/10.1088/1742-6596/1107/4/042011.

[2] E.A. Kuznetsov, A.Y. Snegirev, E.S. Markus, Radiative Extinction of Laminar Diffusion Flame above the Flat Porous Burner in Microgravity: A Computational Study, Combust. Explos. Shock Waves. 56 (2020) 394–411. https://doi.org/10.1134/S0010508220040036.

[3] O.P. Korobeinichev, Paletsky, M.B. Gonchikzhapov, R.K. Glaznev, I.E. Gerasimov, Y.K. Naganovsky, I.K. Shundrina, A.Y. Snegirev, R. Vinu, Kinetics of thermal decomposition of PMMA at different heating rates and in a wide temperature range, Thermochim. Acta. 671 (2019) 17–25. https://doi.org/10.1016/j.tca.2018.10.019.

[4] M.K. Handawy, A.Y. Snegirev, V. V. Stepanov, V.A. Talalov, Kinetic Modeling of Pyrolysis and Combustion of High-Density Polyethylene-Based Polymer Mixtures, J. Phys. Conf. Ser. 1565 (2020). https://doi.org/10.1088/1742-6596/1565/1/012097.

[5] E. Markus, A. Snegirev, E. Kuznetsov, L. Tanklevskiy, Application of the thermal pyrolysis model to predict flame spread over continuous and discrete fire load, Fire Saf. J. 108 (2019) 102825. https://doi.org/10.1016/j.firesaf.2019.102825.

[6] A.Y. Snegirev, Transient temperature gradient in a single-component vaporizing droplet, Int. J. Heat Mass Transf. 65 (2013) 80–94. https://doi.org/10.1016/j.ijheatmasstransfer.2013.05.064.

[7] A.Y. Snegirev, M.K. Handawy, Thermocatalytic degradation of common polymers: A microscale combustion calorimetry study, Thermochim. Acta. 704 (2021) 179016. https://doi.org/10.1016/j.tca.2021.179016.

[8] L. Tanklevskiy, A. Tsoy, A. Snegirev, Electrically controlled dynamic sprinkler activation: Computational assessment of potential efficiency, Fire Saf. J. 91 (2017) 614–623. https://doi.org/10.1016/j.firesaf.2017.04.019.

[9] A.S. Tsoy, A.Y. Snegirev, Large eddy simulation of fine water sprays: comparative analysis of two models and computer codes, Thermophys. Aeromechanics. 22 (2015) 609–620. https://doi.org/10.1134/S0869864315050091.