Стрижак Павел Александрович

Публикации за последние 5 лет по теме диссертации:

1. USING PLANAR LASER INDUCED FLUORESCENCE TO EXPLAIN THE MECHANISM OF HETEROGENEOUS WATER DROPLET BOILING AND EXPLOSIVE BREAKUP Piskunov M.V., Strizhak P.A. Experimental Thermal and Fluid Science. 2018. Т. 91. С. 103-116.
2. МАТЕМАТИЧЕСКОЕ МОДЕЛИРОВАНИЕ ПРОЦЕССОВ ТЕПЛОМАССОПЕРЕНОСА С ФАЗОВЫМИ ПРЕВРАЩЕНИЯМИ И ХИМИЧЕСКИМ РЕАГИРОВАНИЕМ В ТЕПЛОЭНЕРГЕТИКЕ Стрижак П.А., Глушков Д.О. Учебное пособие / Томск, 2017.
3. PLANAR LASER-INDUCED FLUORESCENCE DIAGNOSTICS OF WATER DROPLETS HEATING AND EVAPORATION AT HIGH-TEMPERATURE Volkov R.S., Strizhak P.A. Applied Thermal Engineering. 2017. Т. 127. С. 141-156.
4. TEMPERATURE MEASUREMENT IN THE TRACE OF WATER DROPLET WHEN HEATING BY HOT AIR Kuznetsov G.V., Strizhak P.A., Volkov R.S. Experimental Thermal and Fluid Science. 2017. Т. 81. С. 256-264.
5. GAS TEMPERATURE IN THE TRACE OF WATER DROPLETS STREAMLINED BY HOT AIR FLOW Kuznetsov G.V., Strizhak P.A., Volkov R.S., Voytkov I.S. International Journal of Multiphase Flow. 2017. Т. 91. С. 184-193.
6. ОСОБЕННОСТИ ИЗМЕНЕНИЯ ФОРМ КАПЕЛЬ ЖИДКОСТЕЙ ПРИ ИХ ДВИЖЕНИИ В ГАЗОВОЙ СРЕДЕ Волков Р.С., Кузнецов Г.В., Стрижак П.А. Теоретические основы химической технологии. 2017. Т. 51. № 3. С. 350-358
7. MECHANISM OF HEAT TRANSFER IN HETEROGENEOUS DROPLETS OF WATER UNDER INTENSE RADIANT HEATING Vysokomornaya O.V., Piskunov M.V., Kuznetsov G.V., Strizhak P.A. Journal of Engineering Thermophysics. 2017. Т. 26. № 2. С. 183-196.
8. APPLICATION OF THE PLANAR LASER-INDUCED FLUORESCENCE METHOD TO DETERMINE THE TEMPERATURE FIELD OFWATER DROPLETS UNDER INTENSIVE HEATING Volkov R.S., Kuznetsov G.V., Strizhak P.A. Journal of Engineering Thermophysics. 2017. Т. 26. № 3. С. 325-338.
9. EVAPORATION, BOILING AND EXPLOSIVE BREAKUP OF OIL–WATER EMULSION DROPS UNDER INTENSE RADIANT HEATING Strizhak P.A., Piskunov M.V., Volkov R.S., Legros J.C. Chemical Engineering Research and Design. 2017. Т. 127. С. 72-80.
10. EVOLUTION OF TEMPERATURE OF A DROPLET OF LIQUID COMPOSITE FUEL INTERACTING WITH HEATED AIRFLOW Glushkov D.O., Zakharevich A.V., Strizhak P.A., Syrodoy S.V. Thermophysics and Aeromechanics. 2016. Т. 23. № 6. С. 887-898.
11. ВЛИЯНИЕ ТЕМПЕРАТУРЫ ГАЗОВ И КАПЕЛЬ ВОДЫ НА ХАРАКТЕРИСТИКИ ПРОЦЕССА ДЕФОРМАЦИИ ПОСЛЕДНИХ ПРИ УМЕРЕННЫХ СКОРОСТЯХ ДВИЖЕНИЯ Волков Р.С., Кузнецов Г.В., Куйбин П.А., Стрижак П.А. Теоретические основы химической технологии. 2016. Т. 50. № 5. С. 569-579.
12. MOVEMENT AND EVAPORATION OF WATER DROPLETS UNDER CONDITIONS TYPICAL FOR HEAT-EXCHANGE CHAMBERS OF CONTACT WATER HEATERS Volkov R.S., Kuznetsov G.V., Strizhak P.A. Thermal Engineering. 2016. Т. 63. № 9. С. 666-673.
13. WATER DROPLET DEFORMATION IN GAS STREAM: IMPACT OF TEMPERATURE DIFFERENCE BETWEEN LIQUID AND GAS Volkov R.S., Kuznetsov G.V., Strizhak P.A. International Journal of Heat and Mass Transfer. 2015. Т. 85. С. 1-11.
14. THE MOTION OF A MANIFOLD OF FINELY DISPERSED LIQUID DROPLETS IN THE COUNTERFLOW OF HIGH-TEMPERATURE GASES Kuznetsov G.V., Strizhak P.A. Technical Physics Letters. 2014. Т. 40. № 6. С. 499-502.
15. THE INFLUENCE OF INITIAL SIZES AND VELOCITIES OF WATER DROPLETS ON TRANSFER CHARACTERISTICS AT HIGH-TEMPERATURE GAS FLOW Volkov R.S., Kuznetsov G.V., Strizhak P.A. International Journal of Heat and Mass Transfer. 2014. Т. 79. С. 838-845.