

Publications 2016

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3. Lipatnikov, A.N., Li, W.Y., Jiang, L.J., and Shy, S.S. Does density ratio significantly affect turbulent flame speed? *Flow, Turbulence and Combustion*, in press.
4. Sabelnikov, V.A., Lipatnikov, A.N., Chakraborty, N., Nishiki, S., and Hasegawa, T. A balance equation for the mean rate of product creation in premixed turbulent flames. *Proceedings of the Combustion Institute*, **36**, in press, available online <http://www.sciencedirect.com/science/article/pii/S1540748916304072>
5. Lai, J., Chakraborty, N., and Lipatnikov, A.N. Statistical behaviour of vorticity and enstrophy transport in head-on quenching of turbulent premixed flames. *European Journal of Mechanics - B/Fluids*, in press, available online <http://www.sciencedirect.com/science/article/pii/S0997754616301625>
6. Lipatnikov, A.N., Sabelnikov, V.A., Nishiki, S., and Hasegawa, T. Flamelet perturbations and flame surface density transport in weakly turbulent premixed combustion. *Combustion Theory and Modelling*, in press, available online <http://www.tandfonline.com/doi/full/10.1080/13647830.2016.1214750>
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12. Huang, C., Yasari, E., Johansen, L.C.R., Hemdal, S., and Lipatnikov, A.N. Application of Flame Speed Closure model to RANS simulations of stratified turbulent combustion in a Gasoline Direct-Injection Spark-Ignition engine. *Combustion Science and Technology*, **188**:98-131 (2016).
13. Johansson, Anders, Dahlander, Petter; "Experimental Investigation of the Influence of Boost on Combustion and Particulate Emissions in Optical and Metal SGDI-Engines Operated in Stratified Mode" . *SAE International Journal of Engines*, 9 (2) s. 807-818. ISSN 1946-3944

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