

内燃机学报

第 41 卷 第 1 期 (总 205 期) 2023 年

目 次

- 41-001 氨气与甲烷混合气自燃过程的化学动力学研究 徐昊, 何志霞, 戴礼明, 王谦 (1)
- 41-002 二甲醚/聚甲氧基二甲醚-3 简化机理的构建及验证 梅港伟, 范新宇, 胡寅, 温华兵, 杨梦, 杨文明 (9)
- 41-003 双层分流燃烧室结构及喷射参数智能优化 郭强, 马彪, 刘杰 (18)
- 41-004 基于高低压 EGR 技术实现高效天然气发动机燃烧 官维, 盛利, 王辉, 林铁坚 (25)
- 41-005 乙醇汽油点燃压燃模式颗粒物排放特性试验 刘尚, 范钦灏, 王巍, 张昊, 肖建华, 王志 (33)
- 41-006 超级爆震中火焰传播转爆轰现象的研究 魏佳男, 冯洪庆, 刘海峰 (42)
- 41-007 基于光纤测试的汽油机爆震预防和位置验证 周磊, 刘丽华, 史程中, 田志松, 张育春, 周武明 (52)
- 41-008 基于 IMPSO 的双韦伯燃烧参数标定及预测 史明伟, 王贺春, 杨传雷, 王银燕, 牛晓晓 (61)
- 41-009 基于分子动力学的燃油液滴超临界蒸发特性 张磊, 杨潇, 陈宁, 王治国, 任国富, 刘忠能 (68)
- 41-010 柴油机 DPF 孔道内积碳层的运动及分布特性 张韦, 孙富贤, 陈朝辉, 陈永 (77)
- 41-011 Urea-SCR 系统尿素沉积特性及混合器优化 王梦华, 刘星宇, 鲍建军, 胡杰 (86)

Chinese Society for Internal Combustion Engines

TRANSACTIONS OF CSICE

Vol.41 No.1 (Sum 205) 2023

CONTENTS

- 41-001** Chemical Kinetics Study of the Autoignition of NH₃/CH₄ Mixtures
..... Xu Hao, He Zhixia, Dai Liming, Wang Qian (1)
- 41-002** Construction and Verification of a Simplified Mechanism of Dimethyl Ether/Polyoxymethylene Dimethyl
Ethers 3..... Mei Gangwei, Fan Xinyu, Hu Yin, Wen Huabing, Yang Meng, Yang Wenming (9)
- 41-003** Intelligent Optimization of the Double-Layer Diverging Combustion Chamber and Fuel Injection Parameters
of a Diesel Engine..... Guo Qiang, Ma Biao, Liu Jie (18)
- 41-004** Research of High Efficient Combustion on a Natural Gas Engine with High and Low Pressure EGR
..... Guan Wei, Sheng Li, Wang Hui, Lin Tiejian (25)
- 41-005** Experiment on Particulate Number Emissions of Spark Ignition to Compression Ignition Combustion Mode for
Ethanol Gasoline..... Liu Shang, Fan Qinhao, Wang Wei, Zhang Hao, Xiao Jianhua, Wang Zhi (33)
- 41-006** Study of Deflagration-to-Detonation Transformation in Super Knock Combustion
..... Wei Jianan, Feng Hongqing, Liu Haifeng (42)
- 41-007** Knocking Prevention and Knocking Position Validation of Gasoline Engine by Optical Fiber
..... Zhou Lei, Liu Lihua, Shi Chengzhong, Tian Zhisong, Zhang Yuchun, Zhou Wuming (52)
- 41-008** Calibration and Prediction of Combustion Parameters Using Double-Wiebe Function Method Based on IMPSO
..... Shi Mingwei, Wang Hechun, Yang Chuanlei, Wang Yinyan, Niu Xiaoxiao (61)
- 41-009** Molecular Dynamics Simulation of Fuel Drop Vaporization Under Sub- and Supercritical Ambient Conditions
..... Zhang Lei, Yang Xiao, Chen Ning, Wang Zhiguo, Ren Guofu, Liu Zhongneng (68)
- 41-010** Characteristics of Transport and Distribution of Soot Cake in DPF Channel of Diesel Engine
..... Zhang Wei, Sun Fuxian, Chen Zhaojun, Chen Yong (77)
- 41-011** Urea Deposition Characteristic in a Urea-SCR System and Optimization of the Mixer
..... Wang Menghua, Liu Xingyu, Bao Jianjun, Hu Jie (86)